

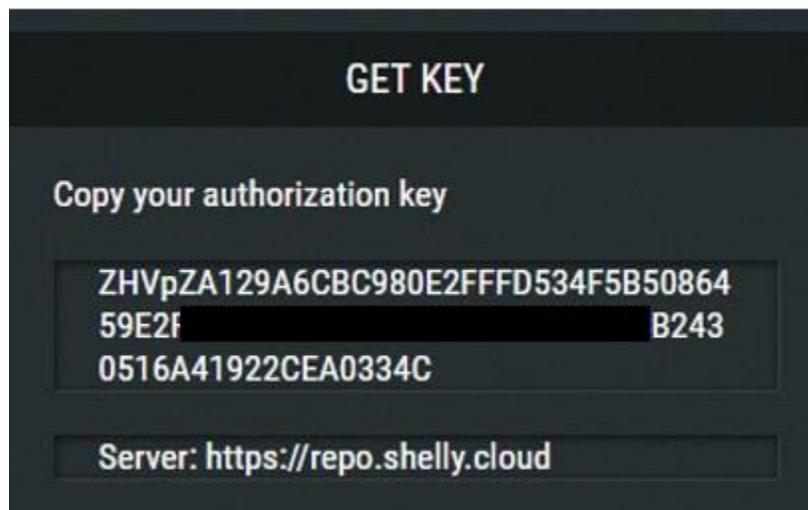
Shelly cloud API access

We have added a secure external API to the Shelly cloud, something many customers have requested. This will allow 3rd party programs which you authorize to control your Shelly devices from anywhere through the Shelly cloud.

1. To use 3rd party cloud API you must to create an account in Shelly cloud App or <http://my.shelly.cloud>
2. Associate your Shelly devices to it.
3. Generate auth_key in Shelly APP.
4. Copy your server location link

Important:

API is limited to 1 request per second at the moment. For professional or commercial usage contact Shelly Team.



How to generate auth_key in Shelly APP:

Login into Shelly APP, go to User Settings. Click on auth_key. Copy and paste the CloudKey. Copy and paste your server location link

IMPORTANT:

Do not show this auth_key and/or server location to anyone, if anyone else has it, they can control your devices!

If you change your account password, the auth_key will be changed too.

How to use auth_key

You can execute commands using cloud Key and change ANY device settings.

For Shelly1, Shelly1PM, Shellu2, Shelly2.5, Shelly4pro:

The syntax of the parameters of the POST command is:

POST link: `https://[server location link]/device/relay/control/`

Keys:

channel=[channel number] - you can check the channel from
Settings->Device information

turn=[command]

id=[deviceID] - you can check the channel from Settings->Device informationkey

auth_key=[auth_key]

Where:

channel number: 0-3 (0 I channel 1, 3 is channel 4)

commands: on or off

deviceID: device ID which you want to control. You can copy it from Settings -> Device info

auth_key: The key which you copy paste from your account

Example:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/> turn	off
<input checked="" type="checkbox"/> channel	0
<input checked="" type="checkbox"/> id	8015a3
Key	Value

Post command Example

For Shelly2 and 2.5 in roller shutter mode:

The syntax of the command for **open and close** is:

POST link: `https://[server location link]/device/relay/roller/control/`

Keys: `direction=[command]id=[deviceID]` - you can check the channel from Settings->Device information
`key auth_key=[auth_key]`

Where:

directions: open, close, stop

deviceID: device ID which you want to control. You can copy it from Settings ->

Device info auth_key: The key which you copy paste from your account.

Example:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/> direction	close
<input checked="" type="checkbox"/> id	559b3d

Open and Close example

The syntax of the command for open and close by percentage is:

POST link: `https://[server location link]/device/relay/roller/settings/toposkey`

Keys:

`pos=[value]`

`id=[deviceID]` - you can check the channel from Settings->Device information

`auth_key=[auth_key]`

Where:

pos value: 0-100

deviceID: device ID which you want to control. You can copy it from Settings ->

Device info auth_key: The key which you copy paste from your account.

Example:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/> pos	50
<input checked="" type="checkbox"/> id	559b3d

Open/Close by percentage

For ShellyRGBW2, Bulb and RGBW in color mode

The syntax of the command is:

POST link: `https://[server location link]/device/light/control`

Keys:

`turn=[command]white=[value] red=[value]green=[value]blue=[value] gain=[value]key id=[deviceID]` -

you can check the channel from Settings->Device information `key auth_key=[auth_key]`

Where:

turn: on or off

optional:

white, red, green and blue value: 0 - 255

gain value: 0 - 100 it's only for RGB colour

Examples:

The screenshot shows a REST client interface with the following details:

- URL: `https://repo.shelly.cloud/device/light/control`
- Method: POST
- Body Type: form-data (selected)
- Body Content:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/> id	2b8f54
<input checked="" type="checkbox"/> turn	on

Turn the device ON with last set values

POST ▼ <https://repo.shelly.cloud/device/light/control>

Params Authorization Headers (10) **Body** ● Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary

	KEY	VALUE
<input checked="" type="checkbox"/>	auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/>	id	2b8f54
<input checked="" type="checkbox"/>	white	30

Set white to 30%

POST ▼ <https://repo.shelly.cloud/device/light/control>

Params Authorization Headers (10) **Body** ● Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary

	KEY	VALUE
<input checked="" type="checkbox"/>	auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/>	id	2b8f54
<input checked="" type="checkbox"/>	white	30
<input checked="" type="checkbox"/>	turn	on

Turn On and Set white to 30%

POST ▼ <https://repo.shelly.cloud/device/light/control>

Params Authorization Headers (10) **Body** ● Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary

	KEY	VALUE
<input checked="" type="checkbox"/>	auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/>	id	2b8f54
<input checked="" type="checkbox"/>	white	30
<input checked="" type="checkbox"/>	turn	on
<input checked="" type="checkbox"/>	red	20
<input checked="" type="checkbox"/>	blue	50
<input checked="" type="checkbox"/>	green	70
<input checked="" type="checkbox"/>	gain	50

Turn On and Set all colours + gain of the RGB

For ShellyRGBW2, Bulb and RGBW in white mode

The syntax of the command is:

POST link: `https://[server location link]/device/light/control`

Keys:

`channel=[channel number]`

`turn=[command]brightness=[value]id=[deviceID]` - you can check the channel from Settings->Device informationkey

`auth_key=[auth_key]`

Where:

`channel=0-4`

`turn: on or off`

`brightness=0-100`

Example:

The screenshot shows a REST client interface with a POST request to `https://repo.shelly.cloud/device/light/control`. The body is set to form-data and contains the following parameters:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F...
<input checked="" type="checkbox"/> id	2b8f54
<input checked="" type="checkbox"/> turn	off
<input checked="" type="checkbox"/> brightness	50
<input checked="" type="checkbox"/> channel	0

Turn On and set brighten to 50

How to control device from IFTTT Webhook?

To control Shelly devices from IFTTT you need to set Webhook as a result of the conditions.

In URL you need to enter the `https://[server location link]/[device specific link]Method: POST`

Content type: `application/x-www-form-urlencoded`

Body: all device specific parameters with “&” between them.

Example:

Make a web request

This action will make a web request to a publicly accessible URL. NOTE: Requests may be rate limited.

URL

`https://repo.shelly.cloud/device/light/control`

Surround any text with "<<>>" to escape the content Add ingredient

Method

POST 

The method of the request e.g. GET, POST, DELETE

Content Type (optional)

application/x-www-form 

Optional

Body (optional)

`turn=on&channel=0&id=2b8f54&auth_key=ZHVpZA129A6CBC980E2FFFD534F5B5086`

Webhook example

Bulk control

You can control multiple devices from the cloud with just one command.

Devices must be from the same type, only relays or roller shutters.

Bulk control for relays Shelly1, Shelly2, Shelly2.5, Shelly1PM, Shelly4Pro:

The syntax of the command is:

```
POST link: https://[server location link]/device/relay/bulk_control
```

```
Keys: turn=[command]
```

```
devices=[{"id"="device ID","channel"="device channel"},{"id"="device ID","channel"="device channel"}....]
```

```
auth_key="authorisation key"
```

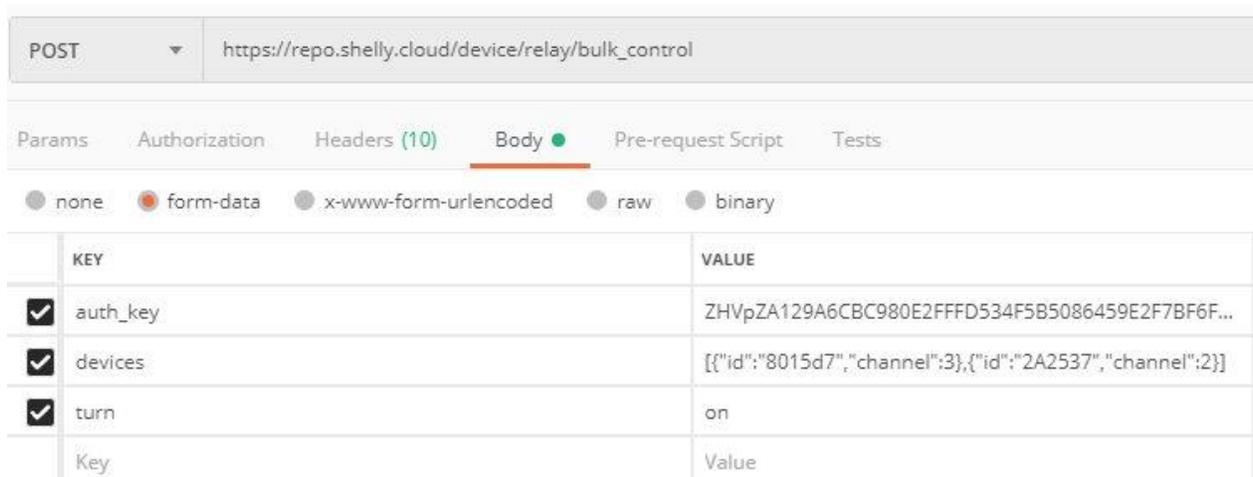
Where:

turn: on or off

devices: [{"id"="device ID",channel=device channel}] - check device ID from the app.

auth_key: The key which you copy paste from your account

Example:



The screenshot shows a REST client interface for a POST request to `https://repo.shelly.cloud/device/relay/bulk_control`. The request body is set to `form-data`. The body contains three fields:

KEY	VALUE
<input checked="" type="checkbox"/> auth_key	ZHVpZA129A6CBC980E2FFFD534F5B5086459E2F7BF6F...
<input checked="" type="checkbox"/> devices	[{"id":"8015d7","channel":3}, {"id":"2A2537","channel":2}]
<input checked="" type="checkbox"/> turn	on

Control multiple devices

IFTT Example:

Content type: application/x-www-form-urlencoded

Body:

```
turn=on&[{"id":"8015a3","channel":"1"},{"id":"8015a3","channel":0},{"id":"c3682a",  
"channel":0}] &auth_key=lkjd983jjjf0430fj430f430fj...
```

The screenshot shows the configuration for the 'Make a web request' action in IFTT. The interface is dark-themed and includes the following sections:

- Make a web request**: The title of the action, accompanied by a circular arrow icon.
- Description**: A text block stating, 'This action will make a web request to a publicly accessible URL. NOTE: Requests may be rate limited.'
- URL**: A text input field containing the URL `https://repo.shelly.cloud/device/relay/bulk_control`.
- Method**: A dropdown menu set to `POST`. Below it, a note reads: 'The method of the request e.g. GET, POST, DELETE'.
- Content Type (optional)**: A dropdown menu set to `application/x-www-for`.
- Body (optional)**: A large text area containing the JSON body: `devices=[{"id":"8015d7","channel":3}, {"id":"2215a7","channel":0}]&turn=off&auth_key=ZHVpZA129A6CBC980E2FFFD5`.

IFTT bulk control example