

API

Guidelines

1. The API is legacy but still works great for scenario operation.
2. it is generally not recommended to rely on the unit status endpoint but feel free to try and use it for your needs.(it should work without problems though, just a bit undocumented for the different unit types)

Retrieve the token

1. Inside the IGH Compact app, on the left upper bar, click the menu icon and navigate to **Manage Users**
2. On the tabs on the top center, navigate to **Api Keys**
3. Click the plus icon on the top right and a new key is created.
Copy it and use it as the {token} parameter.

Parameters

These parameters appear in the API. use accordingly, without the wrapping braces.

{server_ip}: the local ip address of the server

{token}: the token generated from the IGH Compact app

Home endpoint

Usage: Retrieve unit identifier

Method: GET

URL: http://{server_ip}:20500/home?token={token}

Response(JSON)

Some properties in the response omitted as they are not needed

- **rooms** (JSON Array, list of rooms in the home)
 - name (string, unit name)
 - units (JSON Array, list of units inside that room)
 - name (string, the unit name)
 - fullId (string, **may be use for the other endpoint, keep it for later**)

Scenario endpoint

Usage: Run scenario by its name

Method: GET

URL: http://{server_ip}:20500/scenario?name={scene_name}&token={token}

Parameters

- {scene_name}
The scenario name as it appears in the IGH Compact app.

Unit endpoint

Usage: retrieve the unit status

For unit operation, it is simpler to use

Scenario Endpoint. It is easy and straightforward to record a new scenario in the IGH Compact app for any of the available unit operations.

Method: GET

URL: http://{server_ip}:20500/unit/{full_id}?token={token}

Note: make sure to not add trailing slashes (/) after {full_id}

Parameters

- {full_id}
The unit ID as retrieved from the Home Endpoint

The response is different for sensor and unit

Response for sensor type units(JSON)

- span_second (*number*, the time in seconds since the detection)
- temp (*number*, the room temperature)

Response for switch units(JSON)

- mode (*number*, the unit mode(auto, eco, manual))
- status (*number*, the unit status(on, off))

Notes for unit endpoint

status in response for switch units:

It may differ for some unit types, experiment to see which values appear at which

unit status by turning the units on and off). it may also take 3 seconds until the status appears in the API.

IGHX Light units:

For IGHX light switch units, make sure to use the ID of the first unit(Light-1). the status is combined for all the units in the row using bitwise flag operation.