

# HTTP Server (Public)

## Content

- Content
- Overview
- Requests
  - /v1/request
  - /v1/method/<name of command with '/' separator instead of '.'>
  - /v1/broadcasts

## Overview

The controller runs the HTTPS server on 17000 port. The server uses the same certificates and credential as local WebSocket server.

## Requests

### /v1/request

**Description:** provide a way for making any WebSocket call via HTTPS request

**Type:** POST

**Headers:**

Key	Value	Description
Authorization	Basic + base64 id of user id and access token	User id and access token in the basic scheme according to standard( <a href="https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization">https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization</a> ). This header is more priority as <b>user</b> and <b>token</b> .
user	Id of user	UUID of a user( the same as <b>user</b> in a <a href="#">hub.offline.login.ui</a> request )
token	Access token	Access token from cloud( the same as <b>token</b> in a <a href="#">hub.offline.login.ui</a> request )

**Content:** application/json

**Data:** Any WebSocket call as it requested via local WebSocket server

**Errors:**

Code	Case Description
400	If a request doesn't have data or it's not valid JSON format
401	If <b>user</b> or <b>token</b> header missed or it has not correct values
408	If a request runs more then 1 minute
429	If a controller has more then 100 "opened" requests now
500	Any WebSocket formatted error on request

**/v1/method/<name of command with '/' separator instead of '.'>**

**Description:** making a single request but encode all request in URL.

- id of a request should be generated by HTTPS server for each request
- name of command should be part of the link after the 3rd component, all '.' chars should be replaced with '/'.
- parameters of a request should be passed as HTTP URL query string with specific conversion rules
- version 1.0 should be used

**Parameters conversions rules:**

HTTP parameter format	WSS Request parameter format
<parameter>=<value>	<pre>{   "params": {     "&lt;parameter&gt;": "&lt;value&gt;"   } }</pre>
<parameter>_bool=<value>	<pre>{   "params": {     "&lt;parameter&gt;": &lt;value&gt;   } }</pre>
<parameter>_int=<value>	<pre>{   "params": {     "&lt;parameter&gt;": &lt;value&gt;   } }</pre>

**Type:** GET

**Headers:**

Key	Value	Description
Authorization	Basic + base64 id of user id and access token	A user id and access token in the basic scheme according to standard( <a href="https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization">https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization</a> ). This header is more priority as <b>user</b> and <b>token</b> pair.
user	Id of user	UUID of a user( the same as <b>user</b> in a <b>hub.offline.login.ui</b> request )
token	Access token	Access token from cloud( the same as <b>token</b> in a <b>hub.offline.login.ui</b> request )

**Data:** No

**Examples:**

```
<ip>/v1/method/hub/info/get
<ip>/v1/method/hub/item/value/set?_id=09234njnj234&value=cooling
```

#### Errors:

Code	Case Description
400	If a request doesn't have data or it's not valid JSON format
401	If user or token header missed or it has not correct values
408	If a request runs more then 1 minute
429	If the controller has more then 100 "opened" requests now
500	Any WebSocket formatted error on request

## /v1/broadcasts

**Description:** initialized "keep-alive" connection to deliver WebSocket broadcasts to a client. Supports only one-way requests.

**Type:** GET

#### Headers:

Key	Value	Description
Authorization	Basic + base64 id of user and access token	User id and access token in the basic scheme according to standard( <a href="https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization">https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Authorization</a> ). This header is more priority as user and token.
user	Id of user	UUID of user( the same as <b>user</b> in a <b>hub.offline.login.ui</b> request )
token	Access token	Access token from cloud( the same as <b>token</b> in a <b>hub.offline.login.ui</b> request )

**Data:** No

#### Errors:

Code	Case Description
401	If <b>user</b> or <b>token</b> header is missed or it has not correct values
429	If a controller has more then 100 "opened" requests now