# ZENSEHOME API

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## INTRODUCTION

ZenseHomeBox listens for HTTP traffic on TCP port 56003.

Endpoints are accessed via LAN using the local IP address of your ZenseHomeBox.

### SAMPLE DATA

```
http://<ZenseHomeBox IP address>:56003/api/<Endpoint>
```

ZenseHome API uses application/json as its content type for all requests.

## ENDPOINTS

The following is a list of endpoints that can be used to communicate with ZenseHome using ZenseHome API.

### HOOK

The URI for ZenseHome API. The Hook endpoint supports POST, GET and DELETE operations.

#### SAMPLE DATA

```
http://<ZenseHomeBox IP address>:56003/api/Hook
```

#### POST

Sets the URI for ZenseHome API to use when sending data.

#### REQUEST BODY PAYLOAD

| Property name | Type | Description |
|---|---|---|
| uri | string | URI for your endpoint. ZenseHome API will send data to this endpoint. |

#### SAMPLE DATA

```
{
  "uri" : "http://myserver:54831/example"
}
```

A simple HTTP 200 OK will be returned.

## GET

Retrieves the URI from ZenseHome API

### RESPONSE BODY PAYLOAD

| Property name | Type | Description |
|---|---|---|
| uri | string | URI for your endpoint. ZenseHome API will send data to this endpoint. |

### SAMPLE DATA

```
{
  "uri" : "http://myserver:54831/example",
}
```

## DELETE

Clears the URI to disable ZenseHome API. A simple HTTP 200 OK will be returned.

## DEVICE

Endpoint for controlling devices. The Device endpoint supports POST operations.

### SAMPLE DATA

```
http://<ZenseHomeBox IP address>:56003/api/Device
```

### POST

Sends a command to a device.

### REQUEST BODY PAYLOAD

| Property name | Type | Description |
|---|---|---|
| id | string | Full ID of the unit. |
| command | string | Command for the unit to execute. |
| output | int | The output on the unit to manipulate. |

### SAMPLE DATA

```
{
  "id" : "040057894",
  "command" : "on",
  "output" : 1
}
```

### COMMANDS

| Input number | Description |
|---|---|
| on | Turn on device. |
| off | Turn off device. |
| dim | Dim device. The device will use its pre-defined dim level. |

A unit can contain 1-8 outputs. Currently, only ZenseIO units contain more than one output.

Switches contain no outputs and cannot be manipulated.

A simple HTTP 200 OK will be returned if the operation succeeds

## RECEIVING DATA FROM ZENSEHOME API

ZenseHome API sends data as POST requests to its pre-defined endpoint.

### REQUEST BODY PAYLOAD

| Property name | Type | Description |
|---|---|---|
| id | string | Full ID of the unit. |
| input | string | Input registered. |

### SAMPLE DATA

```
{
  "id" : "060454951",
  "input" : "0",
}
```

### INPUT TYPES

| Input number | Description |
|---|---|
| 0 | In a button panel, this represents button 1, short press. |
| 1 | In a button panel, this represents button 1, long press. |
| 2 | In a button panel, this represents button 2, short press. |
| 3 | In a button panel, this represents button 2, long press. |