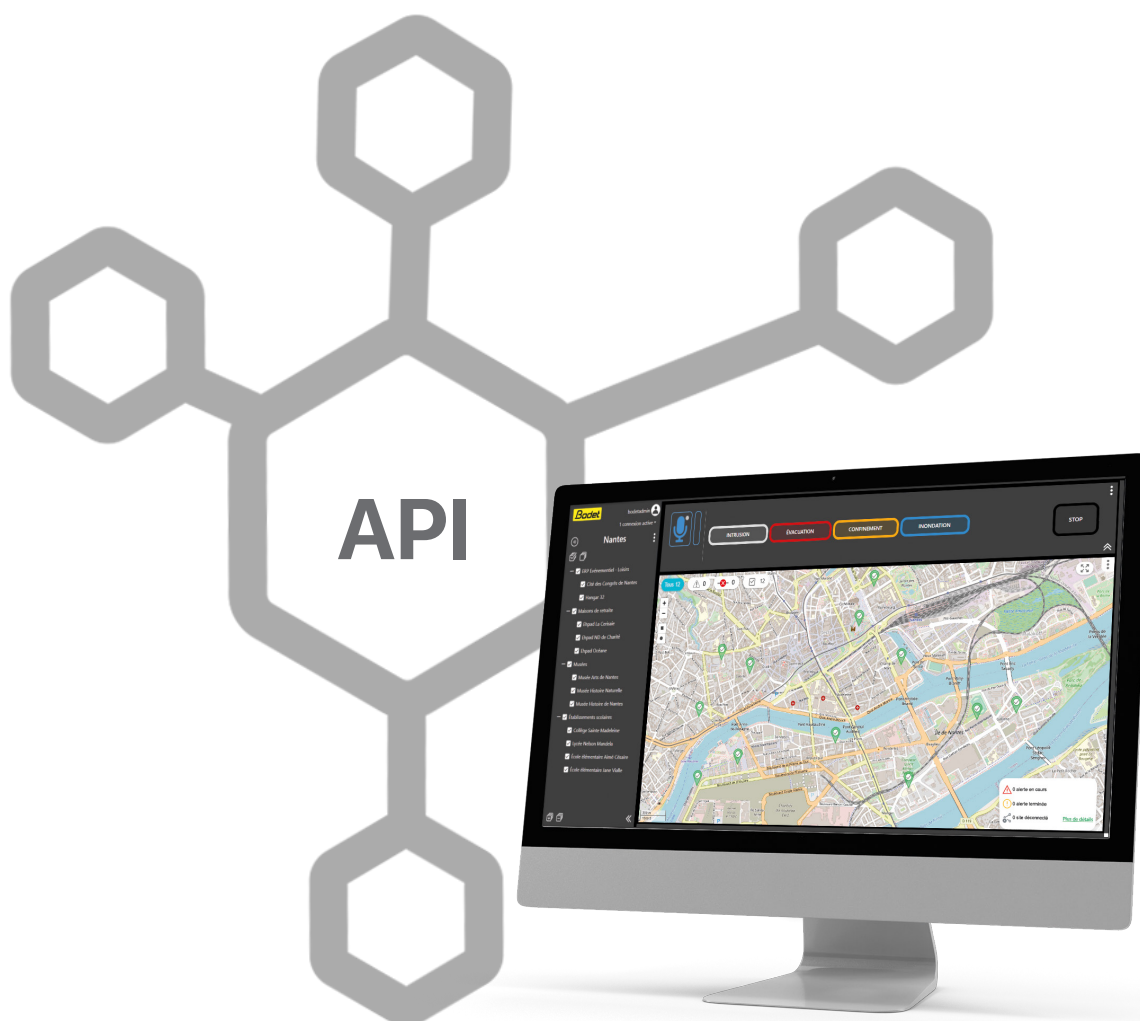


Harmonys Multisite software  
API (Application Programming Interface) routes

EN



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## 1. DESCRIPTION

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### 1.1. Control via API (Application Programming Interface)

The Harmonys Multisite software features an API enabling other applications (supervision system,...) to retrieve information relating to data such as the identification and status of supervised sites, action buttons, status of the operating licence, and so on.

It is also possible to trigger action buttons via the API.

This user guide complements the instructions of the Harmonys Multisite software.  
Please refer to this documentation for generating and managing API access tokens.

### 1.2. API authentication

API's authentication is carried out by a token, generated by an administrator via the Harmonys Multisite software. This token must be sent in the X-API-KEY setting in the header of each request.

**For example:**

```
curl --request GET \  
  --url https://localhost:3000/api/v1/sites/inAlert \  
  --header 'x-api-key: 2ff9c90b1aeb4888a657c945c0faa08215bdb8f8163e4df899b8b9aa1a2da0cb' \  

```

## 2. API

### 2.1. Route description



The documentation is available on the route/api-docs of the Multisite server in admin mode (access via web browser).



The software only supports HTTP "GET" and "POST" requests, allowing retrieving and sending of data. Responses are provided in json format.  
It is impossible to send the same request twice simultaneously (429 error code).  
The API features a protection against brute-force attacks.

#### 2.1.1. Obtaining information on sites

<b>Subject of the request</b>	Retrieving all the information relating to all sites.	
<b>Command</b>	GET/sites/all	
<b>Setting(s)</b>		
<b>Possible response</b>		
	<b>Code</b>	<b>Description</b>
	200	Success. <i>For example:</i> [ { "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae", "name": "Bodet Time & Sport", "sitelps": { "sigmalp": "192.168.100.50", "repeaterlp": "192.168.100.51" }, "address": "1 Rue du Gén de Gaulle, 49340 Trémentines", "telephone": "02 41 29 06 00", "lat": 47.0952, "long": -0.7948 } ]
	401	The API key is missing or invalid.
	429	The previous request has not yet returned a response.
	520	Internal error in the Harmonys Multisite software.
<b>Comments</b>		

**Subject of the request** Retrieving all the information relating to one site.

**Command** GET/site

Setting(s)	Description
------------	-------------

siteUuid:	The sites' UUID.
-----------	------------------

**Possible response**

Code	Description
------	-------------

200	Success. <i>For example:</i> { "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae", "name": "Bodet Time & Sport", "sitelps": { "sigmalp": "192.168.100.50", "repeaterlp": "192.168.100.51" }, "address": "1 Rue du Gén de Gaulle, 49340 Trémentines", "telephone": "02 41 29 06 00", "lat": 47.0952, "long": -0.7948 }
-----	--

400	Missing and/or wrong setting.
-----	-------------------------------

401	The API key is missing or invalid.
-----	------------------------------------

404	Resource not found.
-----	---------------------

429	The previous request has not yet returned a response.
-----	---

520	Internal error in the Harmonys Multisite software.
-----	--

**Comments**

<b>Subject of the request</b>	Retrieving all the information relating to all supervised sites that have triggered an alert and the triggering button.	
<b>Command</b>	GET/sites/inAlert	
<b>Setting(s)</b>	<b>Description</b>	
<b>Possible response</b>	<b>Description</b>	
<b>Code</b>	<b>Description</b>	
200	<p>Success.</p> <p><i>For example:</i></p> <pre>[   {     "sites": [       {         "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae",         "name": "Bodet Time &amp; Sport",         "sitelps": {           "sigmalp": "192.168.100.50",           "repeaterlp": "192.168.100.51"         },         "address": "1 Rue du Gén de Gaulle, 49340 Trémentines",         "telephone": "02 41 29 06 00",         "lat": 47.0952,         "long": -0.7948       }     ],     "button": {       "uuid": "bb644bf8-1edf-4017-b180-e676b9a8af27",       "name": "Alerte intrusion",       "color": "#ffec00",       "configuration": "A",       "number": 2,       "nbMelody": 3,       "position": 2,       "isPPMS": true     }   } ]</pre>	
401	The API key is missing or invalid.	
429	The previous request has not yet returned a response.	
520	Internal error in the Harmonys Multisite software.	
<b>Comments</b>	<p>In the case where a site has triggered an alert but the configuration of this alert is unknown (inconsistency between the programming carried out on the Harmonys Multisite software and the local configuration on site), the button values displayed are: "null" and the object "name" displays: "UNKNOWN MELODY"</p> <p>An empty table [] indicates that there is no site on alert.</p>	

**Subject of the request** Retrieving all the information relating to disconnected sites (along with the status of the Sigma master clock and the "repeater" speaker).

**Command** GET/sites/disconnected

Setting(s)	Description
------------	-------------

**Possible response**

Code	Description
------	-------------

200

Success.

*For example:*

```
[
  {
    "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae",
    "name": "Bodet Time & Sport",
    "sitelps": {
      "sigmalp": "192.168.100.50",
      "repeaterlp": "192.168.100.51"
    },
    "address": "1 Rue du Gén de Gaulle, 49340 Trémentines",
    "telephone": "02 41 29 06 00",
    "lat": 47.0952,
    "long": -0.7948,
    "disconnectedProducts": {
      "repeater": true,
      "sigma": false
    }
  }
]
```

401

The API key is missing or invalid.

429

The previous request has not yet returned a response.

520

Internal error in the Harmonys Multisite software

**Comments**

An empty table [] indicates that there is no disconnected site.

## 2.1.2. Obtaining information on buttons and triggering an action button

<b>Subject of the request</b>	Retrieving the information of all action buttons.	
<b>Command</b>	GET/buttons/all	
<b>Setting(s)</b>		
<b>Possible response</b>		
	<b>Code</b>	<b>Description</b>
	200	Success. <i>For example:</i> [ { "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae", "name": "Alerte intrusion", "color": "#ffec00", "configuration": "A", "number": 2, "position": 2, "nbMelody": 3 } ]
	401	The API key is missing or invalid.
	429	The previous request has not yet returned a response.
	520	Internal error in the Harmonys Multisite software.
<b>Comments</b>		



**Subject of the request** Retrieving the information of one action button.

**Command** GET/button

Setting(s)	Description
------------	-------------

buttonUuid:	Button's UUID.
-------------	----------------

**Possible response**

Code	Description
200	Success. <i>For example:</i> { "uuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae", "name": "Alerte intrusion", "color": "#ffec00", "configuration": "A", "number": 2, "position": 2, "nbMelody": 3 }
400	Missing and/or wrong setting.
401	The API key is missing or invalid.
404	Resource not found.
429	The previous request has not yet returned a response.
520	Internal error in the Harmonys Multisite software.

**Comments**

<b>Subject of the request</b>	Triggering an action button for the selected sites.	
<b>Command</b>	POST/button/press	
<b>Setting(s)</b>	<b>Description</b>	
<b>Body of the request</b>	UUID of the button to trigger as well as the list of UUIDs of the sites involved. <i>For example:</i> <pre>{   "buttonUuid": "a19ea42d-f22a-4e81-8c85-d73e82c71aae",   "siteUuids": [     "a19ea42d-f22a-4e81-8c85-d73e82c71aae"   ] }</pre>	
<b>Possible responses</b>	<b>Code</b>	<b>Description</b>
	200	Success. <i>For example:</i> <pre>{   "sitesAcknowledgement": {     "successAck": [       "a19ea42d-f22a-4e81-8c85-d73e82c71aae",       "126f06c4-efa1-45ba-a325-89cc40c41a6d",       "ff3389f1-9cf0-4f21-8e2d-dfba73bcd64c"     ],     "notAck": [       "0bfb93c7-ba92-409f-bcf5-b64a2d35586f"     ]   },   "sitesNotFound": [     "2d64d3f8-e417-4b70-8737-bb4980d91884"   ] }</pre>
	400	Missing and/or wrong setting.
	401	The API key is missing or invalid.
	404	Resource not found.
	429	The previous request has not yet returned a response.
	520	Internal error in the Harmonys Multisite software.
<b>Comments</b>	A single request per triggering (it is impossible to put several "buttonUuid" with "siteUuids").  successAck: the sites displayed acknowledge the button press. NotAck: the sites displayed have not acknowledged the button press. sitesNotFound: the sites displayed are missing from the database. In the Harmonys Multisite software, an acknowledgement means that the transmitted action has been successfully received (and not that the alert has stopped).	

"successAck" indicates that the command has been correctly received by the master clock of one or several sites. However, there are some specific cases depending on the initial status of the site.  
For example: if the ongoing alert is of higher priority than the triggering via the API, then the latter will not be taken into account.

To make sure that an alert has been correctly triggered on site (which also depends on the correct configuration of the master clock locally) and its ongoing status, a "GET/sites/inAlert" request is requested following the "POST/button/press" request.

## 2.1.3. Obtaining information on the licence

<b>Subject of the request</b>	Retrieving information on the operating licence.	
<b>Command</b>	GET/licence	
<b>Setting(s)</b>		
<b>Possible responses</b>		
	<b>Code</b>	<b>Description</b>
	200	Success. <i>For example:</i> { "clientName": "Ville de Tréfontaines", "nbSites": 100, "expired": false, "expirationDate": "31/12/2027" }
	400	Missing and/or wrong setting.
	401	The API key is missing or invalid.
	429	The previous request has not yet returned a response.
	520	Internal error in the Harmonys Multisite software.
<b>Comments</b>		

## 2.1.4. Obtaining information on the HTTPS certificate

<b>Subject of the request</b>	Retrieving information on the HTTPS certificate used.	
<b>Command</b>	GET/https	
<b>Setting(s)</b>		
<b>Possible responses</b>		
	<b>Code</b>	<b>Description</b>
	200	Success. <i>For example:</i> { "expired": false, "expirationDate": "31/12/2028" }
	400	Missing and/or wrong setting.
	401	The API key is missing or invalid.
	404	Resource not found.
	429	The previous request has not yet returned a response.
	520	Internal error in the Harmonys Multisite software.
<b>Comments</b>		



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