

Heatzy-Gizwits API

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This document is based on the Gizwits Open API, specifying the way to use it in order to control a Heatzy product

Informations about the user

Heatzy_Application_Id : c70a66ff039d41b4a220e198b0fcc8b3
Product_Key Heatzy_Pilote : 9420ae048da545c88fc6274d204dd25f
Product_Key duo Flam / Plugzy : c38d6e94b6b64619af227ada34fd16e7
AppSecret / ProductSecret : 949b3239e6a04c8c99100c6a73422233

X-Gizwits-User-token is the token given when register. You can obtain it by using GET /user/login

X-Gizwits-Timestamp is the timestamp at the moment you are giving the order and should not be more than 5min different from the server timestamp.

X-Gizwits-Signature : the calculation method is lower (md5(product_secret + timestamp)), timestamp need to be the same that X-Gizwits-Timestamp

Binding management

POST /app/bind_mac

Bind the device according to the MAC address

→ **Header**

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User-Token'  
'X-Gizwits-Timestamp: Timestamp'  
'X-Gizwits-Signature: Gizwits-Signature'
```

→ **Body**

```
{  
  "product_key": "string",  
  "mac": "string"  
}
```

→ **URL**

https://euapi.gizwits.com/app/bind_mac

→ **Curl Command**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:  
application/json' --header 'X-Gizwits-Timestamp: Timestamp' --header 'X-Gizwits-  
Signature: Gizwits-Signature' --header 'X-Gizwits-Application-Id:  
Heatzy_Application_Id' --header 'X-Gizwits-User-token: User-Token' -d  
'{"product_key": "string", "mac": "string"}' 'https://euapi.gizwits.com/app/bind_mac'
```

→ **Example returned value**

```
{  
  "product_key": "string",  
  "did": "string",  
  "mac": "string",  
  "is_online": true,  
  "passcode": "string",  
  "host": "string",  
  "port": 0,  
  "port_s": 0,  
  "ws_port": 0,  
  "wss_port": 0,  
  "remark": "string",  
  "is_disabled": true,  
  "type": "string",  
  "dev_alias": "string",  
  "proto_ver": "01"  
}
```

DELETE /app/bindings

Unbind a product

→ **Header**

```
'Accept: application/json'  
'Content-Type: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User-Token'
```

→ **Body**

```
{  
  "devices": [  
    {  
      "did": "string"  
    }  
  ]  
}
```

→ **URL**

<https://euapi.gizwits.com/app/bindings>

→ **Curl Command**

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept:  
application/json' --header 'X-Gizwits-User-token: User-Token' --header 'X-Gizwits-  
Application-Id: Heatzy_Application_Id' -d '{ "devices": [ { "did": "string" } ] }'  
'https://euapi.gizwits.com/app/bindings'
```

→ **Example returned value**

```
{  
  "success": [  
    "string"  
  ],  
  "failed": [  
    "string"  
  ]  
}
```

GET /app/bindings

Get the binding list

→ **Header**

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User-Token'
```

→ **URL**

<https://euapi.gizwits.com/app/bindings?limit=20&skip=0>

→ **Curl Command**

```
curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-User-token:
User_Token' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id'
'https://euapi.gizwits.com/app/bindings?limit=20&skip=0'
```

→ **Example returned value**

```
{
  "devices": [
    {
      "product_key": "string",
      "did": "string",
      "mac": "string",
      "is_online": true,
      "passcode": "string",
      "host": "string",
      "port": 0,
      "port_s": 0,
      "ws_port": 0,
      "wss_port": 0,
      "remark": "string",
      "is_disabled": true,
      "type": "string",
      "dev_alias": "string",
      "proto_ver": "01"
    }
  ]
}
```

PUT /app/bindings/{did}

Modify the binding information

→ **Header**

```
'Accept: application/json'
'X-Gizwits-Application-Id: Heatzy_Application_Id'
'X-Gizwits-User-token: User_Token'
```

→ **Body**

```
{
  "remark": "string",
  "dev_alias": "string"
}
```

→ **URL**

```
https://euapi.gizwits.com/app/bindings/{did}
```

→ **Curl Command**

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'X-Gizwits-User-token: User_Token' --header 'X-Gizwits-
Application-Id: Heatzy_Application_Id' -d '{ "remark": "string", "dev_alias": "string" }'
'https://euapi.gizwits.com/app/bindings/{did}
```

Timing task management

GET /app/devices/{did}/scheduler

Get timing task

→ **Header**

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User_Token'
```

→ **URL**

```
https://euapi.gizwits.com/app/devices/{did}/scheduler?limit=20&skip=0
```

→ **Curl Command**

```
curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-User-token:  
User_Token' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'https://euapi.gizwits.com/app/devices/{did}/scheduler?limit=20&skip=0'
```

→ **Example returned value**

```
[  
  {  
    "attrs": {},  
    "date": "2017-03-08",  
    "time": "string",  
    "repeat": "string",  
    "days": [  
      0  
    ],  
    "start_date": "2017-03-08",  
    "end_date": "2017-03-08",  
    "enabled": true,  
    "remark": "string",  
    "id": "string",  
    "created_at": "string"  
  }  
]
```

POST /app/devices/{did}/scheduler

Create a scheduler task

→ **Header**

```
'Accept: application/json'  
'Content-Type: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User_Token'
```

→ **Body**

```
{
  "attrs": {},
  "date": "2017-03-10",
  "time": "string",
  "repeat": "string",
  "days": [
    0
  ],
  "start_date": "2017-03-10",
  "end_date": "2017-03-10",
  "enabled": true,
  "remark": "string"
}
```

→ **URL**

<https://euapi.gizwits.com/app/devices/{did}/scheduler>

→ **Curl Command**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'X-Gizwits-User-token: User-Token' --header 'X-Gizwits-
Application-Id: Heatzy_Application_Id' -d '{ "attrs": {}, "date": "2017-03-08", "time":
"string", "repeat": "string", "days": [ 0 ], "start_date": "2017-03-08", "end_date": "2017-
03-08", "enabled": true, "remark": "string" }'
'https://euapi.gizwits.com/app/devices/{did}/scheduler'
```

→ **Exemple returned value**

```
{
  "id": "string"
}
```

DELETE /app/devices/{did}/scheduler/{id}

→ **Header**

```
'Accept: application/json'
'X-Gizwits-Application-Id: Heatzy_Application_Id'
'X-Gizwits-User-token: User-Token'
```

→ **URL**

<https://euapi.gizwits.com/app/devices/{did}/scheduler/{id}>

→ **Curl Command**

```
curl -X DELETE --header 'Accept: application/json' --header 'X-Gizwits-Application-Id:
Heatzy_Application_Id' --header 'X-Gizwits-User-token: User-Token'
'https://euapi.gizwits.com/app/devices/{did}/scheduler/{id}'
```

PUT /app/devices/{did}/scheduler/{id}

→ Header

'Accept: application/json'

'Content-Type: application/json'

'X-Gizwits-Application-Id: **Heatzy_Application_Id**'

'X-Gizwits-User-token: **User_Token**'

→ URL

'https://euapi.gizwits.com/app/devices/{did}/scheduler/{id}'

→ Curl Command

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' --header 'X-Gizwits-User-token: User_Token' -d '{ "attrs": {}, "date": "2017-03-10", "time": "string", "repeat": "string", "days": [ 0 ], "start_date": "2017-03-10", "end_date": "2017-03-10", "enabled": true, "remark": "string" }'
```

'https://euapi.gizwits.com/app/devices/{did}/scheduler/{id}'

Device Monitoring

GET /app/devdata/{did}/latest

Get the latest status of the device

→ **Header**

'Accept: application/json'

'X-Gizwits-Application-Id: **Heatzy_Application_Id**'

→ **URL**

https://euapi.gizwits.com/app/devdata/{did}/latest'

→ **Curl Command**

curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-Application-Id: **Heatzy_Application_Id**' 'https://euapi.gizwits.com/app/devdata/{did}/latest'

→ **Example returned value :**

```
{
  "did": "string",
  "updated_at": "string",
  "attr": {}
}
```

GET /app/datapoint

Get the product data point definition

→ **Header**

'Accept: application/json'

'X-Gizwits-Application-Id: **Heatzy_Application_Id**'

→ **URL**

https://euapi.gizwits.com/app/datapoint?product_key=**Product_Key**

→ **Curl Command**

curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-Application-Id: **Heatzy_Application_Id**' 'https://euapi.gizwits.com/app/datapoint?product_key=**Product_Key**'

→ **Example returned value :**

```
{
  "name": "string",
  "entities": [
    {
      "id": 0,
      "name": "string",
      "display_name": "string",
    }
  ]
}
```

```
"attrs": [
  {
    "id": 0,
    "name": "string",
    "display_name": "string",
    "desc": "string",
    "type": "W",
    "data_type": "bool",
    "uint_spec": {
      "min": 0,
      "max": 0,
      "ratio": 0,
      "addition": 0
    },
    "enum": [
      "string"
    ],
    "position": {
      "bit_offset": 0,
      "len": 0,
      "unit": "bit",
      "byte_offset": 0
    }
  }
]
},
"protocolType": "string",
"product_key": "string",
"packetVersion": "string",
"ui": {
  "object": {
    "version": 0,
    "showEditButton": true
  },
  "sections": [
    {
      "elements": [
        {
          "title": "string",
          "key": "string",
          "type": "QBooleanElement",
          "keyboardType": "NumbersAndPunctuation",
          "maxLength": 0,
          "items": [
            "string"
          ],
          "boolValue": true,
          "bind": "string",
```

```
    "maximumValue": 0,
    "minimumValue": 0,
    "value": 0,
    "object": {
      "action": "string",
      "bind": [
        "string"
      ],
      "perm": "W",
      "unit_spec": {
        "max": 0,
        "step": 0,
        "min": 0
      }
    }
  }
}
]
```

GET /app/devices/{did}

Get device details

→ **Header**

```
'Accept: application/json'
'X-Gizwits-Application-Id: Heatzy_Application_Id'
'X-Gizwits-User-token: User_Token'
```

→ **URL**

```
https://euapi.gizwits.com/app/devices/{did}
```

→ **Curl Command**

```
curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-User-token:
User_Token' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id'
'https://euapi.gizwits.com/app/devices/{did}'
```

→ **Example returned value**

```
{
  "product_key": "string",
  "did": "string",
  "mac": "string",
  "is_online": true,
  "passcode": "string",
  "host": "string",
  "port": 0,
  "port_s": 0,
```

```

"ws_port": 0,
"wss_port": 0,

"remark": "string",
"is_disabled": true,
"type": "string",
"dev_alias": "string",
"proto_ver": "01"
}

```

POST /app/control/{did}

Control the device status

→ Header

```

'Accept: application/json'
'Content-Type: application/json'
'X-Gizwits-Application-Id: Heatzy_Application_Id'
'X-Gizwits-User-token: User_Token'

```

→ Heatzy-Pilote Body

```

{
  "raw": [mode]
}

```

The value for "raw" are:

- "raw": [1,1,0] → Comfort Mode
- "raw": [1,1,1] → ECO mode
- "raw": [1,1,2] → Anti-Freeze mode
- "raw": [1,1,3] → OFF mode

→ duo Flam / Plugzy Body

```

{
  "attrs": {
    "on_off": bool
    "mode": "Enum"
    "cft_tempL": number
    "cft_tempH": number
    "eco_tempL": number
    "eco_tempH": number
  }
}

```

"on_off" represent the product Plugzy. Put 1 to open it, 0 to close.

"mode" represent the Flam. The values are "cft", "eco", "fro" and "stop"

The comfort and eco temperature are coded by two bytes. Each byte represent a number from **0 to 255** where an increment of 1 represent **0.1°C**.

Exemple:

To put the comfort temperature to **26°C**, you need use the value **260** which is coded in binary by **00000001 00000100**. The first byte represent "cft_tempH" which is equal to **1**. The second byte represent "cft_tempL" which is equal to **4**.

→ **URL**

`https://euapi.gizwits.com/app/control/{did}`

→ **Curl Command**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'X-Gizwits-User-token: User-Token' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' -d '{"raw": [1,1,0]} ' 'https://euapi.gizwits.com/app/control/{did}'
```

User Management

GET /app/users

Get user information

→ **Header**

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User_Token'
```

→ **URL**

```
https://euapi.gizwits.com/app/users
```

→ **Curl Command**

```
curl -X GET --header 'Accept: application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' --header 'X-Gizwits-User-token: User_Token'  
'https://euapi.gizwits.com/app/users'
```

POST /app/users

Create new user

→ **Header**

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'
```

→ **Body**

```
{  
  "username": "string",  
  "password": "string",  
  "lang": "en",  
}
```

→ **URL**

```
https://euapi.gizwits.com/app/users
```

→ **Curl Command**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' -d '{"username": "string", "password": "string", "lang": "en"}'  
'https://euapi.gizwits.com/app/users'
```

→ **Example returned value**

```
{  
  "uid": "string",  
  "token": "string",  
  "expire_at": 0  
}
```

PUT /app/users

Change Password: Enter old_pwd, new_pwd

→ Header

```
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'  
'X-Gizwits-User-token: User-Token'
```

→ Body

```
{  
  "username": "string",  
  "password": "string",  
  "old_pwd": "string",  
  
  "new_pwd": "string",  
  "lang": "en",  
}
```

→ URL

<https://euapi.gizwits.com/app/users>

→ Curl Command

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept:  
application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' --header  
'X-Gizwits-User-token: User-Token' -d '{ "username": "string", "password": "string",  
"old_pwd": "string", "new_pwd": "string", "lang": "en"}'  
'https://euapi.gizwits.com/app/users'
```

POST /app/login

User login

→ Header

```
'Content-Type: application/json'  
'Accept: application/json'  
'X-Gizwits-Application-Id: Heatzy_Application_Id'
```

→ Body

```
{  
  "username": "string",  
  "password": "string",  
  "lang": "en"  
}
```

→ URL

<https://euapi.gizwits.com/app/login>

→ Curl Command

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:  
application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' -d
```

```
{ "username": "string", "password": "string", "lang": "en" }  
'https://euapi.gizwits.com/app/login'
```

→ **Example returned value**

```
{  
  "uid": "string",  
  "token": "string",  
  "expire_at": 0  
}
```

POST /app/reset_password

Send an email or a phone message to reset the user password

→ **Header**

```
'Content-Type: application/json'  
'Accept: application/json'
```

```
'X-Gizwits-Application-Id: Heatzy_Application_Id'
```

→ **Body**

```
{  
  "email": "string",  
  "new_pwd": "string",  
}
```

→ **URL**

```
https://euapi.gizwits.com/app/reset_password
```

→ **Curl Command**

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:  
application/json' --header 'X-Gizwits-Application-Id: Heatzy_Application_Id' -d  
'{"email": "string", "new_pwd": "string"}'  
'https://euapi.gizwits.com/app/reset_password'
```