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heatzy.

# Heatzy openAPI

Updated guide to heatzy pilote API

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## I. Get user token

A new UserToken is generated when login request is issued every time. Either the new UserToken or the old one can be used.

The call sequence of APIs is as follows:

1. Check if there is a local UserToken, and if it expires
2. If there is no UserToken or UserToken expired, issue the user login request, get and save the returned UserToken
3. Use the UserToken to call other APIs

To get a user token, you must login first.

POST /app/login

URL: <http://euapi.gizwits.com/app/users>

Request parameters:

Params	Data type	Required	Param type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
username	string	No	body	Username for converting an anonymous user to a regular user
password	string	No	body	Password for converting an anonymous user to a regular user
lang	string	No	body	Language version

**X-Gizwits-Application-Id:** c70a66ff039d41b4a220e198b0fcc8b3

Example request:

```
curl --location --request POST 'http://euapi.gizwits.com/app/login' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--data-raw '{
  "username": "user@heatzy.com",
  "password": "heatzy1234"
}'
```

Response parameters:

Params	Data Type	Description
uid	string	Unique user id
token	string	User token
expire_at	integer	Token expiration time (timestamp)

Example response:

```
{
  "token": "ad2c5bcab1d04398adf13b5gaf4f25563",
  "uid": "e1164c4b23274cf2b97d5db0d5782312",
  "expire_at": 1592901707
}
```

When connected to the service, the user will be able to send other requests to either monitor its device or modify his account information.

## II. Binding management

GET /app/bindings

Get the list of bound devices

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
limit	integer	No	query	The number of returned items
skip	integer	No	query	Indicates the number of skipped records, indirectly indicating the number of pages.

Request example:

```
curl --location --request GET 'https://euapi.gizwits.com/app/bindings?limit=20&skip=0' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233'
```

Response parameters:

Params	Data Type	Description
devices	Array	A group of bound devices
product_key	string	Product_key
did	string	Device ID
mac	string	Device MAC address
is_online	boolean	Whether online
passcode	string	Device passcode
host	string	Server domain name
port	integer	MQTT port number for M2M
port_s	integer	MQTT SSL port number for M2M
ws_port	integer	Websocket port number
wss_port	integer	Websocket SSL port number
remark	string	Device remark
is_disabled	boolean	Whether is logged out
type	string	Device Type, Single Item Device: normal, Central Control Device: center_control, Central Control Sub Device: sub_dev
dev_alias	string	Device alias
dev_label	Array[string]	List of device tags, currently used for devices control via voice API
proto_ver	string	Protocol version number, '01', '01_01', '03', '04'
wifi_soft_version	string	WiFi version number
is_sandbox	boolean	Whether connecting the sandbox environment
role	string	Binding role, Special user: special, Owner user: owner, Guest user: guest, Normal user: normal

Example response:

```
{
  "devices": [
    {
      "protoc": 3,
      "ws_port": 8080,
      "port_s": 8883,
      "is_disabled": false,
      "gw_did": null,
      "wifi_soft_version": "04020025",
      "dev_alias": "salon ",
      "mesh_id": null,
      "is_online": false,
      "host": "eusandbox.gizwits.com",
      "sleep_duration": 0,
      "dev_label": [],
      "port": 1883,
```

```
"remark": "range=25 | isdelete=1 | gid=0 | groupname= | grouprange=25",
"did": "4ymbiAKoE4RmtLNt5kEFaD",
"mac": "68c63a8779cd",
"product_key": "0b129d48b8334c27b560a4901021d05b",
"wss_port": 8880,
"state_last_timestamp": 1522657039,
"role": "special",
"is_sandbox": true,
"passcode": "GYOBCHAOA",
"type": "normal",
"product_name": "Pilote",
"is_low_power": false
},
{
  "protoc": 3,
  "ws_port": 8080,
  "port_s": 8883,
  "is_disabled": false,
  "gw_did": "",
  "wifi_soft_version": "04020028",
  "dev_alias": "pilote 2",
  "mesh_id": null,
  "is_online": true,
  "host": "eusandbox.gizwits.com",
  "sleep_duration": 0,
  "dev_label": [],
  "port": 1883,
  "remark": "range=37 | isdelete=1 | gid=0 | groupname= | grouprange=37",
  "did": "G4bswhyi45QARPAgFhTHH7",
  "mac": "98f4acb35302",
  "product_key": "51d16c33a5f74150bc3cfe9ebcdc6402",
  "wss_port": 8880,
  "state_last_timestamp": 1585210680,
  "role": "special",
  "is_sandbox": true,
  "passcode": "FGBBGMIXAB",
  "type": "normal",
  "product_name": "Pilote2",
  "is_low_power": false
}
]
```

## PUT /app/bindings/{did}

Modify the bound devices information

URL: <https://euapi.gizwits.com/app/bindings/{did}>

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	integer	Yes	path	Device ID
remark	string	No	body	Device remark
dev_alias	string	No	body	Device alias
dev_label	Array[string]	No	body	List of device tags, currently used for devices control via voice API

Request example:

```
curl --location --request PUT
'https://euapi.gizwits.com/app/bindings/G4bswhyi45QARPAgFhTHH7' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab2504398adf12a2af4f25234' \
--header 'Content-Type: text/plain' \
--data-raw '{
"remark": "remarque",
"dev_alias": "API test"
}'
```

Response parameters:

Params	Data Type	Description
remark	string	Device remark
dev_label	Array[string]	List of device tags, currently used for devices control via voice API
dev_alias	string	Device alias

Example response:

```
{
  "remark": "remarque",
  "dev_label": [],
  "dev_alias": "API test"
}
```

**DELETE /app/bindings**

Unbind a product

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	string	Yes	path	Device ID

Example request:

```
curl --location --request DELETE 'https://euapi.gizwits.com/app/bindings' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233' \
--header 'Content-Type: text/plain' \
--data-raw '{
"devices":[
{
"did":"G4bswhyi45QARPAgFhTHH7"
}
]
}'
```

Response parameters:

Params	Data Type	Description
success	Array[string]	Devices that are unbound successfully
failed	Array[string]	Devices that are unbound unsuccessfully

Example response:

```
{
  "failed": [],
  "success": [
    "G4bswhyi45QBPPAgFhTHH7"
  ]
}
```



### III. Device monitoring

GET /app/devdata/{did}/latest

Get the latest status of the device

URL: <https://euapi.gizwits.com/app/devdata/{did}/latest>

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
did	string	Yes	path	Device ID

Request example:

```
curl --location --request GET
'https://euapi.gizwits.com/app/devdata/G4bswhyi45QARPAgFhTHH7/latest' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baac2a04398adf12a1af5g85233'
```

Response parameters:

Params	Data Type	Description
did	string	Device ID
time_week	integer	The current day of the week (Monday = 1 Sunday = 7)
pX_dataY	integer	Indicates schedule mode specifications. X represents the day of the week, Y represents a range of hours during the day (see details below). The value returned by this parameter must be converted to binary to be read (see details below).
mode	string	current heating mode
time_hour	integer	Number of 30min blocks passed currently today.
lock_switch	integer	Whether or not the device is locked
timer_switch	integer	Whether or not the schedule mode is activated
boost_switch	integer	Whether or not boost mode is activated
boost_time	Integer	Time remaining for boost mode
derog_mode	Integer	Whether or not holiday mode is activated
derog_time	Integer	Time remaining for holiday mode in days

Response example:

```
{
  "did": "G4bswhyi45QARPAgFhTHH7",
  "updated_at": 1585276309,
  "attr": {
    "time_week": 5,
    "p4_data11": 0,
    "p4_data10": 0,
    "p4_data12": 0,
    "mode": "cft",
    "data2": 0,
    "p5_data2": 170,
    "p3_data9": 1,
    "p5_data12": 0,
    "p7_data7": 85,
    "p5_data10": 0,
    "p5_data11": 0,
    "time_min": 0,
    "derog_mode": 0,
    "p6_data2": 170,
    "p6_data1": 170,
    "time_hour": 7,
    "lock_switch": 0,
    "timer_switch": 0,
    "boost_time": 0,
    "boost_switch": 0,
    "derog_time": 0,
    "data1": 0,
    "p2_data12": 0,
    "p2_data10": 0,
    "p7_data6": 85,
    "p7_data4": 170,
    "p7_data5": 85,
    "p7_data10": 0,
    "p7_data12": 0
  }
}
```

### Interpreting the example response:

Time schedule is used to change modes automatically during the week. It is accessible on heatzy app. On the app, the user can define a schedule that will be followed through the week from Monday 00:00am to Sunday 12:00pm.

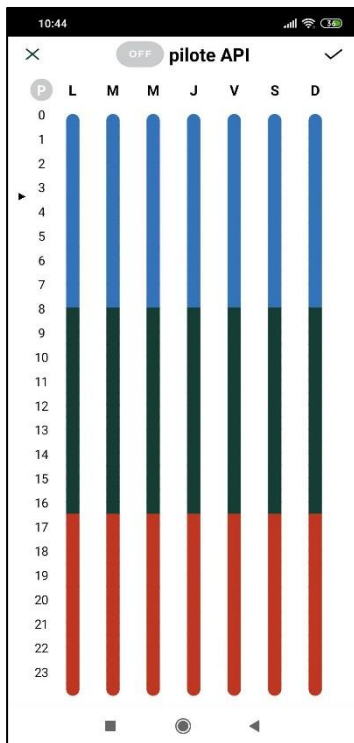
Each day contains 24 hours that are divided into length of 30 minutes. Each block of 30 minutes contains a value corresponding to a specific mode:

0: "cft" or comfort mode (mode "confort")

1: "eco" or eco mode

2: "fro" or anti-frost mode (mode "hors-gel")

3: "off" or off mode (cannot be programmed in time schedule mode)



### Example of time schedule program:

Each day has the same program. From 00:00am to 08:00am, device is set to anti-frost mode (value = 2). From 08:00am to 04:30pm, device is set to eco mode (value = 1). From 04:30pm to 12:00pm, device is set to comfort mode (value = 0).

to make each packet more compact, heatzyAPI creates bigger time blocks of 2 hours. Each data block contains 4 small 30 minutes blocks and compile them one after the other as follows:

1. convert the mode value to binary ("cft"=00;"eco"=01;"fro"=10)
2. chain them together from the latest to earliest (for exemple 1 hour of eco followed by 1 hour of cft will be 00 00 01 01)
3. convert this number to a base 10 integer (101 = 5)
4. assign this value to a data block. (pX\_dataY = 5)

### Examples of returned data:

"p4\_data11": 0, refers to:

1. The day of the week: 4. So it is Thursday
2. The part of that day: 11. So it is the 11<sup>th</sup> part of the day, which is from 8pm to 10pm
3. The returned value is 0. Converted to binary it 00 00 00 00, which means comfort mode from 8pm to 10pm

"p3\_data9": 1, refers to:

1. The day of the week: 3. So it is Wednesday
2. The part of that day: 9. So it is from 4pm to 6pm
3. The returned value is 1. Converted to binary it is 00 00 00 01, which means eco mode from 4pm to 4:30pm and comfort mode from 4:30pm to 6pm.

note: this method is only used by pilote 2<sup>nd</sup> and 3<sup>rd</sup> generations. If you want to get info about the schedule of a pilote 1<sup>st</sup> generation, you must send a *GET/app/devices/{did}/scheduler* request

## GET /app/datapoint

Get the product data points definition

URL: [https://euapi.gizwits.com/app/datapoint?product\\_key={product\\_key}](https://euapi.gizwits.com/app/datapoint?product_key={product_key})

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
product_key	string	Yes	path	Product product_key

Request example:

```
curl --location --request GET
'https://euapi.gizwits.com/app/datapoint?product_key=51d16c22a5f74280bc3cfe9ebcdc6402' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3'
```

Response parameters:

Params	Data Type	Description
name	string	Product name
entities	Array	[EntityItem]
protocolType	string	Fixed value: standard
product_key	string	Product_key
packetVersion	string	Fixed value: 4
ui	inline_model_7	Mobile phone client UI definition
EntityItem	_____	_____
id	integer	Fixed value: 0
name	string	Fixed value: entity0
display_name	string	Fixed value: Gizwits development kit
attrs	Array	[AttrItem]
inline_model_7	_____	_____
object	inline_model_1	
sections	Array	UI section list: [SectionItem]
AttrItem	_____	_____
id	integer	Data point order
name	string	Data point label name
display_name	string	Data point display name
desc	string	Fixed value:.....
type	string	Read/write type, W: Read/write, R: Read only, N: Alarm, E: Fault

data_type	string	Data type, bool: Boolean; 'uint8', 'uint16', 'uint32': numeric; enum: enumeration; binary: extended type
uint_spec	inline_model_4	This field is available when data_type is uint8/uint16/uint32
enum	Array	This field is available when data_type is enum
position	inline_model_5	Byte and bit description
inline_model_1	_____	_____
version	integer	Fixed value: 4
showEditButton	boolean	Fixed value: false
SectionItem	_____	_____
elements	Array	[ElementItem]
inline_model_4	_____	_____
min	integer	Minimum value
max	integer	Maximum value
ratio	number	Resolution k
addition	integer	Increment
inline_model_5	_____	_____
bit_offset	integer	Bit index, fixed to 0 if it's variable-length protocol
len	integer	length
unit	string	Units, 'bit', 'byte'
byte_offset	integer	Byte index, fixed to 0 if it's variable-length protocol
ElementItem	_____	_____
title	string	Data point display name
key	string	entity0.{data point distinguished name }
type	string	'QBooleanElement', 'QFloatElement', 'QRadioElement', 'QMultilineElement', 'QLabelElement'
keyboardType	string	Keyboard type, fixed value, "NumbersAndPunctuation"
maxLength	integer	This field is available when the type is QMultilineElement. The maximum length, which is 2 times the defined length of the data point.
items	Array	This field is available when the type is QRadioElement, enumerated value list
boolValue	boolean	This field is available when the type is QBooleanElement, fixed value: false
bind	string	This field is available when the type is QFloatElement, fixed value: floatValue:float
maximumValue	number	This field is available when the type is QFloatElement, the maximum value

minimumValue	number	This field is available when the type is QFloatElement, the minimum value
value	integer	This field is available when the type is QFloatElement, fixed value: 0
object	inline_model_6	
inline_model_6	_____	_____
action	string	Fixed value: entity0
bind	Array[string]	Fixed value: entity0.{data point distinguished name }
perm	string	Read/Write type: W: Read/Write, R: Read Only, N: Alarm, E: Fault
unit_spec	inline_model_2	This field is only available for type QFloatElement
inline_model_2	_____	_____
max	integer	Maximum value
step	integer	Step value
min	integer	Minimum value

## GET /app/devices/{did}

Get device details

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	string	Yes	path	Device ID

Request example:

```
curl --location --request GET
'https://euapi.gizwits.com/app/devices/G4bswhyi57KARCDgFhTHH7' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5cbdc1a04398adf12a1af4f25247'
```

Response parameters:

Params	Data Type	Description
product_key	string	Product_key
did	string	Device ID
mac	string	Device MAC address
is_online	boolean	Whether online
passcode	string	Device passcode
host	string	Server domain name

port	integer	MQTT port number of M2M
port_s	integer	MQTT SSL port number for M2M
ws_port	integer	Websocket port number
wss_port	integer	Websocket SSL port number
remark	string	Device remark
is_disabled	boolean	Whether is logged out
type	string	Device Type, Single Item Device: normal, Central Control Device: center_control, Central Control Sub Device: sub_dev
dev_alias	string	Device alias
dev_label	Array[string]	List of device tags, currently used for devices control via voice API
role	string	Binding role, Special user: special, Owner user: owner, Guest user: guest, Normal user: normal

Response example:

```
{
  "remark": "range=3 | isdelete=1 | gid=0 | groupname= | grouprange=3",
  "protoc": 3,
  "wss_port": 8880,
  "ws_port": 8080,
  "did": " G4bswhyi57KARCDgFhTHH7",
  "port_s": 8883,
  "is_disabled": false,
  "proto_ver": "04",
  "product_key": "51d16c22a5f74280bc3cfe9ebcdc6402",
  "port": 1883,
  "host": "eusandbox.gizwits.com",
  "mac": "98f4abb38302",
  "state_last_timestamp": 1585469225,
  "role": "special",
  "gw_did": "",
  "mesh_id": null,
  "is_online": true,
  "passcode": "LYNNXOCDVH",
  "sleep_duration": 0,
  "product_name": "Pilote2",
  "is_low_power": false
}
```

## POST /app/control/{did}

Send an order to the device

URL: <https://euapi.gizwits.com/app/control/{did}>

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	string	Yes	path	Device ID
raw	Array[integer]	No	body	Raw instructions
attrs	object	No	body	

Request example (for pilote 1<sup>st</sup> generation):

```
curl --location --request POST
'https://euapi.gizwits.com/app/control/3kemQXYncdoQCC8kyN3Ke4' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233' \
--header 'Content-Type: text/plain' \
--data-raw '{
"raw": [1,1,2]
}'
```

- "raw":[1,1,0] = comfort mode
- "raw":[1,1,1] = eco mode
- "raw":[1,1,2] = anti frost mode
- "raw":[1,1,3] = off mode

Request example (for pilote 2<sup>nd</sup> and 3<sup>rd</sup> generation):

```
curl --location --request POST
'https://euapi.gizwits.com/app/control/G4bswhyi45QARPAgFhTHH7' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233' \
--header 'Content-Type: text/plain' \
--data-raw '{
"attrs": {
"mode":2
}
}'
```

- "mode":0 = comfort mode
- "mode":1 = eco mode
- "mode":2 = anti frost mode
- "mode":3 = off mode



Response parameters:

No response

GET /app/devices/{did}/scheduler

get time schedule info (only on pilote first generation)

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	string	Yes	path	Device ID for the scheduled task
limit	integer	No	query	The number of returned items
skip	integer	No	query	Indicates the number of skipped items, indirectly indicating the number of pages.

Request example:

```
curl --location --request GET 'https://euapi.gizwits.com/app/devices/3kemQXYncdoQCC8kyN3Ke4/scheduler?limit=20&skip=0' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233'
```

Response parameters:

Params	Data Type	Description
id	string	Task ID
created_at	string	Task creation time(UTC time)
product_key	string	Product PK
did	string	Device ID of the scheduled task
raw	string	Raw instructions
attrs	object	
date	string	Execution time for one-time task
time	string	Scheduled task execution time, accurate to minute, format xx:xx, eg: 02:30

repeat	string	Whether to repeat, "none", "mon", "tue", "wed", "thu", "fri", "sat", "sun"
days	Array	Date list for repeat, for example [1, 15] repeats on the 1st and 15th of each month
start_date	string	The start date of scheduled task execution, starting at 0:00, format xxxx-xx-xx, eg 2016-09-01
end_date	string	The end date of scheduled task execution, ending at the end of the day, format xxxx-xx-xx, eg 2016-10-01
enabled	boolean	Whether it is enabled, if it is not enabled, it will not be triggered at the set time. The default is enabled.
remark	string	Task remarks

Response example:

```
[
  {
    "remark": "",
    "repeat": "thu",
    "did": "3kemQXYncdoQCC8kyN3Ke4",
    "created_at": "2020-03-30T03:10:36",
    "enabled": true,
    "days": [],
    "product_key": "9420ae048da545c88fc6274d204dd25f",
    "raw": "",
    "attrs": {
      "mode": 2
    },
    "time": "06:30",
    "date": "",
    "scene_id": "",
    "group_id": "",
    "id": "5e81632c8fbe2709f3f2fd73"
  },
  {
    "remark": "",
    "repeat": "sun",
    "did": "3kemQXYncdoQCC8kyN3Ke4",
    "created_at": "2020-03-30T03:10:35",
    "enabled": true,
    "days": [],
    "product_key": "9420ae048da545c88fc6274d204dd25f",
    "raw": "",
    "attrs": {
      "mode": 1
    },
    "time": "23:00",
    "date": "",
    "scene_id": "",
    "group_id": "",
    "id": "5e81632b8fbe27330d3d68a9"
  }
]
```

**POST /app/devices/{did}/scheduler**

Send scheduled tasks to your device

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
did	string	Yes	path	Device ID of the scheduled task
raw	string	No	body	Raw instructions
attrs	object	No	body	
date	string	Yes	body	Execution time for one-time task
time	string	Yes	body	Scheduled task execution time, accurate to minute, format xx:xx, eg: 02:30
repeat	string	Yes	body	Whether to repeat, "none", "mon", "tue", "wed", "thu", "fri", "sat", "sun"
days	Array	No	body	Date list for repeat, for example [1, 15] repeats on the 1st and 15th of each month
start_date	string	No	body	The start date of scheduled task execution, starting at 0:00, format xxxx-xx-xx, eg 2016-09-01
end_date	string	No	body	The end date

Request example:

```
curl --location --request POST
'https://euapi.gizwits.com/app/devices/G4bswhyi45QDARGgFhTHH7/scheduler' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5bacv1a04398adf12a1af4f25233' \
--header 'Content-Type: text/plain' \
--data-raw '{
  "attrs": {
    "mode":1
  },
  "raw": "",
  "date": "2020-03-30",
  "time": "10:30",
  "repeat": "mon"
}'
```

Response example:

```
{
  "id": "5e81ab138fbe27054217f628"
}
```

## IV. User Management

GET /app/users

Get user information

URL: <http://euapi.gizwits.com/app/users>

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token

Request example:

```
curl --location --request GET 'http://euapi.gizwits.com/app/users' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'X-Gizwits-User-token: ad2c5baab1a04398adf12a1af4f25233' \
--header 'Content-Type: text/plain' \
--data-raw '{
  "attrs": {
    "mode":1
  },
  "raw": "",
  "date": "2020-03-30",
  "time": "10:30",
  "repeat": "mon"
}'
```

Response parameters:

Params	Data Type	Description
username	string	User name
phone	string	Phone number
email	string	Email address
name	string	Name
gender	string	Gender, M : Male, F : Female, N : Unknown
birthday	string	Birthday, date format : YYYY-MM-DD or MM-DD
address	string	Address
lang	string	Language version,en, zh-cn
remar	string	Remark
uid	string	Unique user id
is_anonymous	boolean	Is anonymous user or not

Response example:

```
{
  "username": null,
  "uid": "d4567c4a23274cf2b87d5db0c6781234",
  "phone": null,
  "birthday": "2017-11-10",
  "address": null,
  "lang": "en",
  "remark": null,
  "name": "Lille Off",
  "is_anonymous": false,
  "gender": null,
  "email": "heatzy@heatzy.com"
}
```

## POST /app/users

Create new user

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
username	string	No	body	User name, the request parameter for user name&password registration
password	string	No	body	Password, the request parameter for username&password registration, mobile registration, email registration
email	string	No	body	Email Address, the Request Parameter for Email registration
lang	string	No	body	Language:en,zh-cn
src	string	No	body	Platform type: twitter, facebook, google, amazon
uid	string	No	body	returned uid from third-party authentication platform
token	string	No	body	returned token from third-party authentication platform

Request example:

```
curl --location --request POST 'https://euapi.gizwits.com/app/users' \
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \
--header 'Content-Type: text/plain' \
--data-raw '{
  "username":"heatzy_user",
  "password":"heatzy1234"
}'
```

Response parameters:

Params	Data Type	Description
uid	string	Unique user id
token	string	User token
expire_at	integer	Token expiration time (timestamp)

Response example:

```
{
  "token": "a704118dc6764c99a7eb85135f1c5d09",
  "uid": "e02f6df8188845bba330d62da63226fc",
  "expire_at": 1601180952
}
```

PUT /app/users

Update user info

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

Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
X-Gizwits-User-token	string	Yes	header	User token
username	string	No	body	Username for converting an anonymous user to a regular user
password	string	No	body	Password for converting an anonymous user to a regular user
phone	string	No	body	Mobile phone number for converting an anonymous user to a mobile registered user
code	string	No	body	Verification code for converting an anonymous user to a mobile registered user
old_pwd	string	No	body	Old password, used to change the password
new_pwd	string	No	body	New password, used to change the password
email	string	No	body	Registered email for converting an anonymous user to a registered user
name	string	No	body	Name
lang	string	No	body	Language version en, zh-cn
remar	string	No	body	Remark





## Request example:

```
curl --location --request PUT 'https://euapi.gizwits.com/app/users' \  
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \  
--header 'X-Gizwits-User-token: a704118dc6764c99a7eb85135f1c5d09' \  
--header 'Content-Type: text/plain' \  
--data-raw '{  
  "old_pwd":"heatzy1234",  
  "new_pwd":"Heatzy1234&"  
}'
```

## Response parameters:

Params	Data Type	Description
updatedAt	string	Update time(UTC time)

## Response example:

```
{  
  "updatedAt": "2020-03-31T04:52:38.434400"  
}
```

## POST user/app/reset\_password

Send an e-mail to reset a user's password

URL: [http://api.gizwits.com/app/reset\\_password](http://api.gizwits.com/app/reset_password)

## Request parameters:

Params	Data Type	Required	Param Type	Description
X-Gizwits-Application-Id	string	Yes	header	appid
email	string	Yes	body	Registered e-mail

## Request example:

```
curl --location --request POST 'http://api.gizwits.com/app/reset_password' \  
--header 'X-Gizwits-Application-Id: c70a66ff039d41b4a220e198b0fcc8b3' \  
--header 'Content-Type: text/plain' \  
--data-raw '{  
  "email":"heatzy@heatzy.com"  
}'
```

## Response parameters:

No response