



Milesight Radar Fall Detection Sensor

API Specification

Update Time	Applicable Firmware version	Description
2025-03-25	VS373_1.0.1	

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Overview

This document specifies the parameters and configuration files for Milesight Radar Fall Detection Sensor VS373.

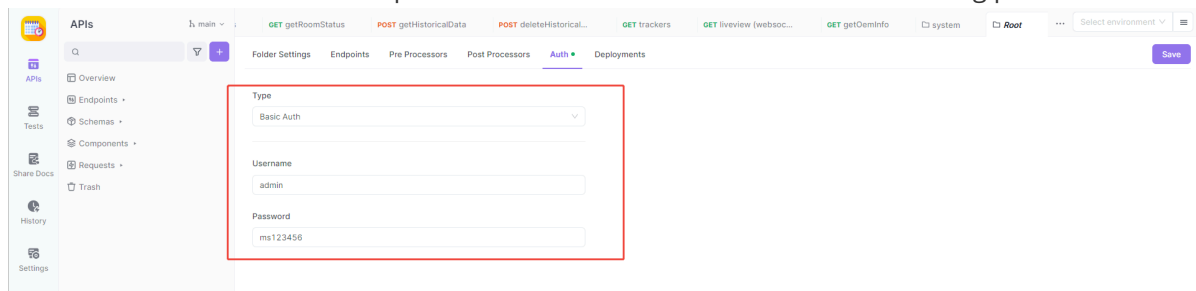
Permission level

The permission levels column in each parameter table shows the required permission level to operate parameters.

To be able to perform an action on a parameter the user needs to have a permission level equal to or higher than the corresponding permission level of the parameter.

Security level	Description
Admin	Top access right.

Each API call needs to be accompanied with Basic Authentication as the following picture shows.



System

resetConfig

- **Path:** /api/v1/system/resetConfig
- **Method:** post

Description

Device reset, including simple reset and full reset.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
type	Yes	number	0: Simple reset. 1: Full reset.

- Body example

```
{  
  "type": 0  
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	Yes	string	
code	Yes	integer	

- Response example: **success**

```
{  
  "message": "success",  
  "code": 0  
}
```

reboot

- **Path:** /api/v1/system/reboot
- **Method:** post

Description

Device reboot.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getOemInfo

- **Path:** /api/v1/system/getOemInfo
- **Method:** get

Description

Retrieve web OEM configuration information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	Yes	object	
>> title	Yes	string	Browser title.
>> name	Yes	string	Product name.
message	Yes	string	

Name	Required	Type	Description
code	Yes	number	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "name": "",
    "title": "123 pp"
  }
}
```

getDevInfo

- **Path:** /api/v1/system/getDevInfo
- **Method:** get

Description

Retrieve device information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	Yes	object	
>> mac	No	string	
>> sn	No	string	
>> hardVersion	No	string	
>> softVersion	No	string	
>> model	No	string	
message	Yes	string	
code	Yes	number	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "mac": "34:85:18:8C:17:EC",
    "sn": "6806E41970333123",
    "hardVersion": "v1.0",
    "softVersion": "v_373.1.0.1-t1",
    "model": "vS373-915M"
  }
}
```

setDevTime

- **Path:** /api/v1/system/setDevTime
- **Method:** post

Description

Set device time and mode.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
timestamp	Yes	number	Timestamp.
syncMode	Yes	number	0: Gateway Timing, 1: Manual Timing

Name	Required	Type	Description
timeZone	Yes	string	UTC-12:00 UTC-11:00 UTC-10:00 UTC-9:30 UTC-9:00 UTC-8:00 UTC-7:00 UTC-6:00 UTC-5:00 UTC-4:00 UTC-3:30 UTC-3:00 UTC-2:00 UTC-1:00 UTC-0:00 UTC+1:00 UTC+2:00 UTC+3:00 UTC+3:30 UTC+4:00 UTC+4:30 UTC+5:00 UTC+5:30 UTC+5:45 UTC+6:00 UTC+6:30 UTC+7:00 UTC+8:00 UTC+8:45 UTC+9:00 UTC+9:30 UTC+10:00 UTC+10:30 UTC+11:00 UTC+12:00 UTC+12:45 UTC+13:00 UTC+14:00

- Body example

```

{
  "syncMode": 1,
  "timeZone": "UTC+8:00",
  "timestamp": 1741339884
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getDevTime

- **Path:** /api/v1/system/getDevTime
- **Method:** get

Description

Retrieve device time and time synchronization mode.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	Yes	object	
>> syncMode	Yes	number	0: Gateway Timing, 1: Manual Timing
>> timestamp	Yes	number	Timestamp.

Name	Required	Type	Description
>> timeZone	Yes	string	UTC-12:00 UTC-11:00 UTC-10:00 UTC-9:30 UTC-9:00 UTC-8:00 UTC-7:00 UTC-6:00 UTC-5:00 UTC-4:00 UTC-3:30 UTC-3:00 UTC-2:00 UTC-1:00 UTC-0:00 UTC+1:00 UTC+2:00 UTC+3:00 UTC+3:30 UTC+4:00 UTC+4:30 UTC+5:00 UTC+5:30 UTC+5:45 UTC+6:00 UTC+6:30 UTC+7:00 UTC+8:00 UTC+8:45 UTC+9:00 UTC+9:30 UTC+10:00 UTC+10:30 UTC+11:00 UTC+12:00 UTC+12:45 UTC+13:00 UTC+14:00
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "timestamp": 1741339916,
    "timeZone": "UTC+8:00",
    "syncMode": 1
  }
}
```

setDevUpgrade

- **Path:** /api/v1/system/setDevUpgrade
- **Method:** post

Description

Device upgrade interface for transmitting firmware.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/octet-stream	

- Body

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	0: Success 2101: Firmware verification error 2102: Upgrade file too large 2103: Downgrade restriction 2104: Upgrade failure
message	Yes	string	

- Response example: **success**

```
{
  "code": 0,
  "message": "success"
}
```

User

checkSecurity

- **Path:** /api/v1/system/checkSecurity
- **Method:** post

Description

Verify security issues.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
QAList	Yes	[object]	
>> id	Yes	string	Question index.
>> idstring	Yes	string	Custom question content.
>> answer	Yes	string	MD5 value of the answer.

- Body example

```
{
  "QAList": [
    {
      "id": "1",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "2",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "3",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    }
  ]
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	No	string	
code	No	number	0: Success, 102: Security issue verification failed.

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

login

- **Path:** /api/v1/system/login
- **Method:** post

Description

Login interface.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
username	Yes	string	Plaintext.
password	Yes	string	MD5 encryption.

- Body example

```
{
  "username": "admin",
  "password": "3376ec73e91ebd975d2affd02b68a262"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	No	string	
code	No	number	0: Success 101: Incorrect username or password

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

resetPasswd

- **Path:** /api/v1/system/resetPasswd
- **Method:** post

Description

Password reset.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
username	No	string	Used when type1.
password	No	string	MD5 value of the original password.
newPassword	No	string	New configuration password, used for both type1 and type2.
QAList	No	[object]	Used when type2.
>> id	Yes	string	Question index.
>> idstring	Yes	string	Custom question content.
>> answer	Yes	string	MD5 value of the answer.

Name	Required	Type	Description
type	Yes	integer	1: Change via old password 2: Change via security method

- Body example

```
{
  "username": "admin",
  "type": 2,
  "newPassword": "bXmXmJm0NTY=",
  "password": "c4ca4238a0b923820dcc509a6f75849b",
  "QAList": [
    {
      "id": "1",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "2",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "3",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    }
  ]
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	No	string	
code	No	number	-1: Configuration error 0: Success 101: Incorrect account or password 102: Security question verification failed

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getActive

- **Path:** /api/v1/system/getActive
- **Method:** get

Description

Retrieve activation status, no authentication required.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	No	object	
>> isActivated	No	boolean	
message	No	string	
code	No	number	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "isActivated": true
  }
}
```

setActive

- **Path:** /api/v1/system/setActive
- **Method:** post

Description

Activate device and set password for the first time.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
username	Yes	string	Plaintext.
password	Yes	string	Use the Base64 encoded string.

- Body example

```
{
  "username": "admin",
  "password": "bXMXMjM0NTY="
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	No	string	
code	No	number	0: Success 103: Activation already completed, cannot configure again

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getSecurity

- **Path:** /api/v1/system/getSecurity
- **Method:** get

Description

Retrieve security questions.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	No	object	
>> QAList	No	[object]	
>> >> id	Yes	string	
>> >> idstring	Yes	string	If the id is 0, idstring stores the custom question.
message	No	string	
code	Yes	integer	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "QAList": [
      {
        "id": "1",
        "idstring": ""
      },
      {
        "id": "2",
        "idstring": ""
      },
      {
        "id": "3",
        "idstring": ""
      }
    ]
  }
}
```

setSecurity

- **Path:** /api/v1/system/setSecurity
- **Method:** post

Description

Set or reset security questions.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
QAList	No	[object]	
>> id	Yes	string	0 for custom questions, 1-9 for predefined system questions.
>> answer	Yes	string	The answer is encrypted using MD5.
>> idstring	No	string	A custom question must be provided when the ID is 0.
password	Yes	string	MD5 value of the password.

- Body example

```
{
  "QAList": [
    {
      "id": "1",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "2",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    },
    {
      "id": "3",
      "idstring": "",
      "answer": "c4ca4238a0b923820dcc509a6f75849b"
    }
  ],
  "password": "3376ec73e91ebd975d2affd02b68a262"
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	No	string	
code	No	number	0: Success, 101: Password verification failed.

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

Dataload

getHistoricalData

- **Path:** /api/v1/dataload/getHistoricalData
- **Method:** get

Description

Export historical data.

Query Parameters

Name	Required	Type	Description
type	Yes	integer	
startTs	No	integer	
endTs	Yes	integer	

Response

Code	ContentType
200	binary

- HTTP Status Code **200**

importSensitivity

- **Path:** /api/v1/dataload/importSensitivity
- **Method:** post

Description

Import sensitivity file.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	multipart/form-data	
Content-Type	Yes	string	multipart/form-data	

- Body

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "code": 0,
  "message": "success"
}
```

getLogFile

- **Path:** /api/v1/dataload/getLogFile
- **Method:** get

Description

Export device logs.

Query Parameters

Name	Required	Type	Description
type	Yes	integer	
startTs	No	integer	
endTs	Yes	integer	

Response

Code	ContentType
200	binary

- HTTP Status Code **200**

setConfig

- **Path:** /api/v1/dataload/setConfig
- **Method:** post

Description

Import configuration file.

Query Parameters

Name	Required	Type	Description
type	Yes	string	all: Import all; keepComm: Do not import WiFi and LoRa related configurations.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	multipart/form-data	
Content-Type	Yes	string	multipart/form-data	

- Body

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "code": 0,
  "message": "success"
}
```

getConfig

- **Path:** /api/v1/dataload/getConfig
- **Method:** get

Description

Export configuration file.

When the file export is successful, return the file content directly instead of a JSON string.

Query Parameters

Name	Required	Type	Description
type	Yes	string	Currently, there is only one option, all, which exports all configurations.

Response

Code	ContentType
200	binary

- HTTP Status Code **200**

Report

setReportParam

- **Path:** /api/v1/system/setReportParam
- **Method:** post

Description

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
statusPeriod	Yes	integer	Unit: s; 160~144060
fallAlarmEn	Yes	boolean	
outBedAlarmEn	Yes	boolean	
staticAlarmEn	Yes	boolean	
dwellingAlarmEn	Yes	boolean	
occupyAlarmEn	Yes	boolean	
vacantAlarmEn	Yes	boolean	
retransmission	Yes	boolean	

- Body example

```
{
  "statusPeriod": 600,
  "fallAlarmEn": true,
  "outBedAlarmEn": true,
  "staticAlarmEn": false,
  "dwellAlarmEn": true,
  "occupyAlarmEn": false,
  "vacantAlarmEn": false,
  "retransmission": false
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	0: Success.
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getReportParam

- **Path:** /api/v1/system/getReportParam
- **Method:** get

Description

Retrieve reporting information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	0: Success.
message	Yes	string	

Name	Required	Type	Description
data	Yes	object	
>> statusPeriod	No	integer	Unis: s; 160~144060
>> fallAlarmEn	No	boolean	
>> outBedAlarmEn	No	boolean	
>> staticAlarmEn	No	boolean	
>> dwellAlarmEn	No	boolean	
>> occupyAlarmEn	Yes	boolean	
>> vacantAlarmEn	Yes	boolean	
>> retransmission	No	boolean	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "statusPeriod": 600,
    "fallAlarmEn": true,
    "outBedAlarmEn": true,
    "staticAlarmEn": false,
    "dwellAlarmEn": true,
    "occupyAlarmEn": false,
    "vacantAlarmEn": false,
    "retransmission": false
  }
}
```

Communication

getWifiParam

- **Path:** /api/v1/network/getWifiParam
- **Method:** get

Description

Get current WiFi connection status.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	Yes	object	
>> ssid	No	string	
>> password	No	number	Password length.
>> hidden	No	boolean	
>> lanip	No	string	
>> enable	Yes	boolean	WLAN enabled. 1: Enable. 0: Disable.
>> passwordEn	Yes	boolean	WiFi password enabled. 1: Enable. 0: Disable.
code	Yes	number	0: OK 501: Password length error (must be greater than 8 bytes) 502: Invalid IP address
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "enable": true,
    "ssid": "Fall Detection_8C17EC",
    "password": 0,
    "lanip": "192.168.1.1",
    "hidden": false,
    "passwordEn": false
  }
}
```

setWifiParam

- **Path:** /api/v1/network/setWifiParam
- **Method:** post

Description

Set WiFi parameters.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
ssid	Yes	string	
password	Yes	integer	
hidden	Yes	boolean	
enable	Yes	boolean	
passwordEn	Yes	boolean	
lanip	Yes	string	

- Body example

```

{
  "enable": true,
  "ssid": "Fall Detection_8C17EC1",
  "passwordEn": false,
  "password": 0,
  "hidden": false,
  "lanip": "192.168.1.1"
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: OK 501: Password length error (must be greater than 8 bytes) 502: Invalid IP address
message	Yes	string	

- Response example: **success**

```
{
  "code": 0,
  "message": "success"
}
```

getD2DParam

- **Path:** /api/v1/network/getD2DParam
- **Method:** get

Description

Retrieve D2D information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	No	string	
data	No	object	
>> enable	Yes	boolean	
>> rx2DataRate	Yes	string	
>> rx2Freq	Yes	string	
>> rateLabel	Yes	string	
>> key	Yes	string	
>> masterControl	Yes	[object]	
>>> type	Yes	number	0: Occupied 1: Vacant 2: Fall Alarm 3: out bed 4: Abnormal Static Alarm 5: DwellAlarm
>>> enable	Yes	boolean	
>>> command	Yes	integer	
>>> uplinkEn	Yes	boolean	
>>> ctrlTimeEn	Yes	boolean	

Name	Required	Type	Description
>> >> ctrlTime	Yes	number	Unit: s; 160-144060
>> slaveControl	No	[object]	
>> >> command	Yes	integer	
>> >> object	Yes	number	1: Reset Button 2: Wi-Fi Button
>> >> event	Yes	number	0: Factory Data Reset/Release Alarm 1: Enable Wi-Fi 2: Disable Wi-Fi

- o Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "key": "5572404C696E6B4C6F52613230313823",
    "enable": true,
    "rx2Freq": "923.300000",
    "rx2DataRate": "8",
    "rateLabel": "DR8 (SF12, 500k)",
    "masterControl": [
      {
        "type": 0,
        "enable": false,
        "command": 0,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
      },
      {
        "type": 1,
        "enable": false,
        "command": 1,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
      },
      {
        "type": 2,
        "enable": false,
        "command": 2,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
      },
      {
        "type": 3,
        "enable": false,
        "command": 3,

```

```

        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    },
    {
        "type": 4,
        "enable": false,
        "command": 4,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    },
    {
        "type": 5,
        "enable": false,
        "command": 5,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    }
],
"slaveControl": [
    {
        "command": 0,
        "object": 1,
        "event": 0
    }
]
}

```

setD2DParam

- **Path:** /api/v1/network/setD2DParam
- **Method:** post

Description

Set D2D information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
enable	Yes	boolean	
key	Yes	string	
masterControl	Yes	[object]	

Name	Required	Type	Description
>> type	Yes	number	0 : Occupied 1 : Vacant 2 : Fall Alarm 3: out of bed 4: Abnormal Static Alarm 5: Dwell time Alarm
>> enable	Yes	boolean	
>> command	Yes	integer	
>> uplinkEn	Yes	boolean	
>> ctrlTimeEn	Yes	boolean	
>> ctrlTime	Yes	number	Unit: s; 160-144060
slaveControl	Yes	[object]	
>> command	Yes	integer	
>> object	Yes	number	1: Reset Button 2: Wi-Fi Button
>> event	Yes	number	0: Factory Data Reset/Release Alarm 1: Enable Wi-Fi 2: Disable Wi-Fi

- Body example

```
{
  "key": "5572404C696E6B4C6F52613230313823",
  "enable": true,
  "masterControl": [
    {
      "type": 0,
      "enable": false,
      "command": 0,
      "uplinkEn": false,
      "ctrlTimeEn": false,
      "ctrlTime": 300
    },
    {
      "type": 1,
      "enable": false,
      "command": 1,
      "uplinkEn": false,
      "ctrlTimeEn": false,
      "ctrlTime": 300
    },
    {
      "type": 2,
      "enable": false,
      "command": 2,

```

```

        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    },
    {
        "type": 3,
        "enable": false,
        "command": 3,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    },
    {
        "type": 4,
        "enable": false,
        "command": 4,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    },
    {
        "type": 5,
        "enable": false,
        "command": 5,
        "uplinkEn": false,
        "ctrlTimeEn": false,
        "ctrlTime": 300
    }
],
"slaveControl": [
    {
        "command": 0,
        "object": 1,
        "event": 0
    },
    {
        "command": 1,
        "object": 1,
        "event": 0
    }
]
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	Yes	number	0: Success.

Name	Required	Type	Description
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getLoraStatus

- **Path:** /api/v1/network/getLoraStatus
- **Method:** get

Description

Get current connection status.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
data	Yes	object	
>> status	Yes	boolean	lora status
code	Yes	number	
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "status": false
  }
}
```

getLoraParam

- **Path:** /api/v1/network/getLoraParam
- **Method:** get

Description

Retrieve LoRa configuration information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	multipart/form-data	
Content-Type	Yes	string	application/x-www-form-urlencoded	

- Body

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
message	Yes	string	
code	Yes	integer	
data	Yes	object	
>> loraState	Yes	object	
>>> hardver	Yes	string	
>>> softver	Yes	string	
>>> status	Yes	boolean	
>> loraConfig	Yes	object	
>>> devEUI	Yes	string	
>>> appEUI	Yes	string	
>>> deviceAddr	Yes	string	
>>> appKey	Yes	string	
>>> appSessionKey	Yes	string	
>>> netSessionKey	Yes	string	
>>> region	Yes	string	
>>> spreadFactor	Yes	string	

Name	Required	Type	Description
>>>> joinType	Yes	integer	
>>>> loraVer	Yes	integer	
>>>> rejoinRetries	Yes	integer	
>>>> appPort	Yes	integer	
>>>> adrMode	Yes	boolean	
>>>> confirmMode	Yes	boolean	
>>>> rejoinMode	Yes	boolean	
>>>> chanmask	Yes	string	
>>>> rx2DataRate	Yes	string	
>>>> regionList	Yes	[string]	
>>>> rx2DataRateList	Yes	object	
>>>>> US915	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>> 8	Yes	string	
>>>>>>> 9	Yes	string	
>>>>>>> 10	Yes	string	
>>>>>>> 11	Yes	string	
>>>>>>> 12	Yes	string	
>>>>>>> 13	Yes	string	
>>>>> AU915	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>> 8	Yes	string	
>>>>>>> 9	Yes	string	
>>>>>>> 10	Yes	string	
>>>>>>> 11	Yes	string	
>>>>>>> 12	Yes	string	
>>>>>>> 13	Yes	string	
>>>>> KR920	Yes	object	

Name	Required	Type	Description
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>>> 0	Yes	string	
>>>>>>>> 1	Yes	string	
>>>>>>>> 2	Yes	string	
>>>>>>>> 3	Yes	string	
>>>>>>>> 4	Yes	string	
>>>>>>>> 5	Yes	string	
>>>>> AS923-1	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>>> 0	Yes	string	
>>>>>>>> 1	Yes	string	
>>>>>>>> 2	Yes	string	
>>>>>>>> 3	Yes	string	
>>>>>>>> 4	Yes	string	
>>>>>>>> 5	Yes	string	
>>>>> AS923-2	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>>> 0	Yes	string	
>>>>>>>> 1	Yes	string	
>>>>>>>> 2	Yes	string	
>>>>>>>> 3	Yes	string	
>>>>>>>> 4	Yes	string	
>>>>>>>> 5	Yes	string	
>>>>> AS923-3	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>>> 0	Yes	string	

Name	Required	Type	Description
>>>>>>> 1	Yes	string	
>>>>>>> 2	Yes	string	
>>>>>>> 3	Yes	string	
>>>>>>> 4	Yes	string	
>>>>>>> 5	Yes	string	
>>>>> AS923-4	Yes	object	
>>>>>> defVal	Yes	string	
>>>>>> rateList	Yes	object	
>>>>>>> 0	Yes	string	
>>>>>>> 1	Yes	string	
>>>>>>> 2	Yes	string	
>>>>>>> 3	Yes	string	
>>>>>>> 4	Yes	string	
>>>>>>> 5	Yes	string	
>>>> rx2FreqList	Yes	object	
>>>>> US915	Yes	object	
>>>>>> defFreq	Yes	string	
>>>>>> minFreq	Yes	string	
>>>>>> maxFreq	Yes	string	
>>>>> AU915	Yes	object	
>>>>>> defFreq	Yes	string	
>>>>>> minFreq	Yes	string	
>>>>>> maxFreq	Yes	string	
>>>>> KR920	Yes	object	
>>>>>> defFreq	Yes	string	
>>>>>> minFreq	Yes	string	
>>>>>> maxFreq	Yes	string	
>>>>> AS923-1	Yes	object	
>>>>>> defFreq	Yes	string	
>>>>>> minFreq	Yes	string	

Name	Required	Type	Description
>>>>> maxFreq	Yes	string	
>>>> AS923-2	Yes	object	
>>>>> defFreq	Yes	string	
>>>>> minFreq	Yes	string	
>>>>> maxFreq	Yes	string	
>>>> AS923-3	Yes	object	
>>>>> defFreq	Yes	string	
>>>>> minFreq	Yes	string	
>>>>> maxFreq	Yes	string	
>>>> AS923-4	Yes	object	
>>>>> defFreq	Yes	string	
>>>>> minFreq	Yes	string	
>>>>> maxFreq	Yes	string	
>>> rx2Freq	Yes	string	
>>> chanmaskRange	Yes	object	
>>>> US915	Yes	object	
>>>>> minChan	Yes	string	
>>>>> maxChan	Yes	string	
>>>>> defChan	Yes	string	
>>>> AU915	Yes	object	
>>>>> minChan	Yes	string	
>>>>> maxChan	Yes	string	
>>>>> defChan	Yes	string	
>>> chanFreqEnable	Yes	[boolean]	
>>> chanFreq	Yes	[string]	
>>> chanFreqList	Yes	object	
>>>> KR920	Yes	object	
>>>>> fixFreq	Yes	integer	
>>>>> freqList	Yes	[string]	
>>>> AS923-1	Yes	object	

Name	Required	Type	Description
>>>> fixFreq	Yes	integer	
>>>> freqList	Yes	[string]	
>>>> AS923-2	Yes	object	
>>>> fixFreq	Yes	integer	
>>>> freqList	Yes	[string]	
>>>> AS923-3	Yes	object	
>>>> fixFreq	Yes	integer	
>>>> freqList	Yes	[string]	
>>>> AS923-4	Yes	object	
>>>> fixFreq	Yes	integer	
>>>> freqList	Yes	[string]	
>>> spreadFactorList	Yes	object	
>>>> US915	Yes	object	
>>>> defSFVal	Yes	string	
>>>> sfList	Yes	object	
>>>>>> 0	Yes	string	
>>>>>> 1	Yes	string	
>>>>>> 2	Yes	string	
>>>>>> 3	Yes	string	
>>>> AU915	Yes	object	
>>>> defSFVal	Yes	string	
>>>> sfList	Yes	object	
>>>>>> 2	Yes	string	
>>>>>> 3	Yes	string	
>>>>>> 4	Yes	string	
>>>>>> 5	Yes	string	
>>>> KR920	Yes	object	
>>>> defSFVal	Yes	string	
>>>> sfList	Yes	object	
>>>>>> 0	Yes	string	

Name	Required	Type	Description
>>>>>>>>> 1	Yes	string	
>>>>>>>>> 2	Yes	string	
>>>>>>>>> 3	Yes	string	
>>>>>>>>> 4	Yes	string	
>>>>>>>>> 5	Yes	string	
>>>>> AS923-1	Yes	object	
>>>>>>> defSFVal	Yes	string	
>>>>>>> sfList	Yes	object	
>>>>>>>>> 2	Yes	string	
>>>>>>>>> 3	Yes	string	
>>>>>>>>> 4	Yes	string	
>>>>>>>>> 5	Yes	string	
>>>>> AS923-2	Yes	object	
>>>>>>> defSFVal	Yes	string	
>>>>>>> sfList	Yes	object	
>>>>>>>>> 2	Yes	string	
>>>>>>>>> 3	Yes	string	
>>>>>>>>> 4	Yes	string	
>>>>>>>>> 5	Yes	string	
>>>>> AS923-3	Yes	object	
>>>>>>> defSFVal	Yes	string	
>>>>>>> sfList	Yes	object	
>>>>>>>>> 2	Yes	string	
>>>>>>>>> 3	Yes	string	
>>>>>>>>> 4	Yes	string	
>>>>>>>>> 5	Yes	string	
>>>>> AS923-4	Yes	object	
>>>>>>> defSFVal	Yes	string	
>>>>>>> sfList	Yes	object	
>>>>>>>>> 2	Yes	string	

Name	Required	Type	Description
>>>>>>>> 3	Yes	string	
>>>>>>>> 4	Yes	string	
>>>>>>>> 5	Yes	string	

- o Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "loraState": {
      "hardver": "0101",
      "softver": "0101",
      "status": false
    },
    "loraConfig": {
      "devEUI": "24E124806E419703",
      "appEUI": "24E124C0002A0001",
      "deviceAddr": "FE000001",
      "appKey": "5572404C696E6B4C6F52613230313823",
      "appSessionKey": "5572404C696E6B4C6F52613230313823",
      "netSessionKey": "5572404C696E6B4C6F52613230313823",
      "region": "AU915",
      "spreadFactor": "2",
      "joinType": 1,
      "loraVer": 2,
      "rejoinRetries": 8,
      "appPort": 85,
      "adrMode": true,
      "confirmMode": true,
      "rejoinMode": true,
      "chanmask": "0-71",
      "rx2DataRate": "8",
      "regionList": [
        "US915",
        "AU915",
        "KR920",
        "AS923-1",
        "AS923-2",
        "AS923-3",
        "AS923-4"
      ],
      "rx2DataRateList": {
        "US915": {
          "defVal": "8",
          "rateList": {
            "8": "DR8 (SF12, 500k)",
            "9": "DR9(SF11, 500k)",
            "10": "DR10(SF10, 500k)",
            "11": "DR11(SF9, 500k)",
            "12": "DR12(SF8, 500k)",
          }
        }
      }
    }
  }
}
```

```
        "13": "DR13(SF7, 500k)"
    }
},
"AU915": {
    "defVal": "8",
    "rateList": {
        "8": "DR8 (SF12, 500k)",
        "9": "DR9(SF11, 500k)",
        "10": "DR10(SF10, 500k)",
        "11": "DR11(SF9, 500k)",
        "12": "DR12(SF8, 500k)",
        "13": "DR13(SF7, 500k)"
    }
},
"KR920": {
    "defVal": "0",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-1": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-2": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-3": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
}
```

```

    }
  },
  "AS923-4": {
    "defVal": "2",
    "rateList": {
      "0": "DR0 (SF12, 125k)",
      "1": "DR1 (SF11, 125k)",
      "2": "DR2 (SF10, 125k)",
      "3": "DR3 (SF9, 125k)",
      "4": "DR4 (SF8, 125k)",
      "5": "DR5 (SF7, 125k)"
    }
  }
},
"rx2FreqList": {
  "US915": {
    "defFreq": "923.3",
    "minFreq": "923.3",
    "maxFreq": "927.5"
  },
  "AU915": {
    "defFreq": "923.3",
    "minFreq": "923.3",
    "maxFreq": "927.5"
  },
  "KR920": {
    "defFreq": "921.9",
    "minFreq": "920",
    "maxFreq": "925"
  },
  "AS923-1": {
    "defFreq": "923.2",
    "minFreq": "915",
    "maxFreq": "928"
  },
  "AS923-2": {
    "defFreq": "921.4",
    "minFreq": "915",
    "maxFreq": "928"
  },
  "AS923-3": {
    "defFreq": "916.6",
    "minFreq": "915",
    "maxFreq": "928"
  },
  "AS923-4": {
    "defFreq": "917.3",
    "minFreq": "917",
    "maxFreq": "920"
  }
},
"rx2Freq": "923.300000",
"chanmaskRange": {
  "US915": {
    "minChan": "0",
    "maxChan": "71",

```

```
        "defChan": "0-71"
    },
    "AU915": {
        "minChan": "0",
        "maxChan": "71",
        "defChan": "0-71"
    }
},
"chanFreqEnable": [
    true,
    true,
    true,
    true,
    true,
    true,
    true,
    true
],
"chanFreq": [
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0"
],
"chanFreqList": {
    "KR920": {
        "fixFreq": 3,
        "freqList": [
            "921.9",
            "922.1",
            "922.3",
            "922.5",
            "922.7",
            "922.9",
            "923.1",
            "923.3"
        ]
    },
    "AS923-1": {
        "fixFreq": 2,
        "freqList": [
            "923.2",
            "923.4",
            "923.6",
            "923.8",
            "924.0",
            "924.2",
            "924.4",
            "924.6"
        ]
    },
    "AS923-2": {
```

```
    "fixFreq": 2,
    "freqList": [
      "921.4",
      "921.6",
      "921.8",
      "922.0",
      "922.2",
      "922.4",
      "922.6",
      "922.8"
    ]
  },
  "AS923-3": {
    "fixFreq": 2,
    "freqList": [
      "916.6",
      "916.8",
      "917.0",
      "917.2",
      "917.4",
      "917.6",
      "917.8",
      "918.0"
    ]
  },
  "AS923-4": {
    "fixFreq": 2,
    "freqList": [
      "917.3",
      "917.5",
      "922.2",
      "922.4",
      "922.6",
      "922.8",
      "923",
      "922"
    ]
  }
},
"spreadFactorList": {
  "US915": {
    "defsFVal": "2",
    "sfList": {
      "0": "SF10-DR0",
      "1": "SF9-DR1",
      "2": "SF8-DR2",
      "3": "SF7-DR3"
    }
  },
  "AU915": {
    "defsFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  }
}
```

```
    }
  },
  "KR920": {
    "defSFVal": "2",
    "sfList": {
      "0": "SF12-DR0",
      "1": "SF11-DR1",
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  }
},
"AS923-1": {
  "defSFVal": "2",
  "sfList": {
    "2": "SF10-DR2",
    "3": "SF9-DR3",
    "4": "SF8-DR4",
    "5": "SF7-DR5"
  }
},
"AS923-2": {
  "defSFVal": "2",
  "sfList": {
    "2": "SF10-DR2",
    "3": "SF9-DR3",
    "4": "SF8-DR4",
    "5": "SF7-DR5"
  }
},
"AS923-3": {
  "defSFVal": "2",
  "sfList": {
    "2": "SF10-DR2",
    "3": "SF9-DR3",
    "4": "SF8-DR4",
    "5": "SF7-DR5"
  }
},
"AS923-4": {
  "defSFVal": "2",
  "sfList": {
    "2": "SF10-DR2",
    "3": "SF9-DR3",
    "4": "SF8-DR4",
    "5": "SF7-DR5"
  }
}
}
}
}
```

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "loraState": {
      "hardver": "0101",
      "softver": "0101",
      "status": false
    },
    "loraConfig": {
      "devEUI": "24E124806E419703",
      "appEUI": "24E124C0002A0001",
      "deviceAddr": "FE000001",
      "appKey": "5572404C696E6B4C6F52613230313823",
      "appSessionKey": "5572404C696E6B4C6F52613230313823",
      "netSessionKey": "5572404C696E6B4C6F52613230313823",
      "region": "AU915",
      "spreadFactor": "2",
      "joinType": 1,
      "loraVer": 1,
      "rejoinRetries": 8,
      "appPort": 85,
      "adrMode": true,
      "confirmMode": true,
      "rejoinMode": true,
      "chanmask": "0-71",
      "rx2DataRate": "8",
      "regionList": [
        "US915",
        "AU915",
        "KR920",
        "AS923-1",
        "AS923-2",
        "AS923-3",
        "AS923-4"
      ],
      "rx2DataRateList": {
        "US915": {
          "defVal": "8",
          "rateList": {
            "8": "DR8 (SF12, 500k)",
            "9": "DR9(SF11, 500k)",
            "10": "DR10(SF10, 500k)",
            "11": "DR11(SF9, 500k)",
            "12": "DR12(SF8, 500k)",
            "13": "DR13(SF7, 500k)"
          }
        },
        "AU915": {
          "defVal": "8",
          "rateList": {
            "8": "DR8 (SF12, 500k)",
            "9": "DR9(SF11, 500k)",
            "10": "DR10(SF10, 500k)",
            "11": "DR11(SF9, 500k)",
            "12": "DR12(SF8, 500k)",
            "13": "DR13(SF7, 500k)"
          }
        }
      }
    }
  }
}
```

```
        "13": "DR13(SF7, 500k)"
    }
},
"KR920": {
    "defVal": "0",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-1": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-2": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-3": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
},
"AS923-4": {
    "defVal": "2",
    "rateList": {
        "0": "DR0 (SF12, 125k)",
        "1": "DR1 (SF11, 125k)",
        "2": "DR2 (SF10, 125k)",
        "3": "DR3 (SF9, 125k)",
        "4": "DR4 (SF8, 125k)",
        "5": "DR5 (SF7, 125k)"
    }
}
```



```
    }
  },
  "rx2FreqList": {
    "US915": {
      "defFreq": "923.3",
      "minFreq": "923.3",
      "maxFreq": "927.5"
    },
    "AU915": {
      "defFreq": "923.3",
      "minFreq": "923.3",
      "maxFreq": "927.5"
    },
    "KR920": {
      "defFreq": "921.9",
      "minFreq": "920",
      "maxFreq": "925"
    },
    "AS923-1": {
      "defFreq": "923.2",
      "minFreq": "915",
      "maxFreq": "928"
    },
    "AS923-2": {
      "defFreq": "921.4",
      "minFreq": "915",
      "maxFreq": "928"
    },
    "AS923-3": {
      "defFreq": "916.6",
      "minFreq": "915",
      "maxFreq": "928"
    },
    "AS923-4": {
      "defFreq": "917.3",
      "minFreq": "917",
      "maxFreq": "920"
    }
  },
  "rx2Freq": "923.300000",
  "chanmaskRange": {
    "US915": {
      "minChan": "0",
      "maxChan": "71",
      "defChan": "0-71"
    },
    "AU915": {
      "minChan": "0",
      "maxChan": "71",
      "defChan": "0-71"
    }
  },
  "chanFreqEnable": [
    true,
    true,
```

```
    true,
    true,
    true,
    true,
    true,
    true
  ],
  "chanFreq": [
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0"
  ],
  "chanFreqList": {
    "KR920": {
      "fixFreq": 3,
      "freqList": [
        "921.9",
        "922.1",
        "922.3",
        "922.5",
        "922.7",
        "922.9",
        "923.1",
        "923.3"
      ]
    },
    "AS923-1": {
      "fixFreq": 2,
      "freqList": [
        "923.2",
        "923.4",
        "923.6",
        "923.8",
        "924.0",
        "924.2",
        "924.4",
        "924.6"
      ]
    },
    "AS923-2": {
      "fixFreq": 2,
      "freqList": [
        "921.4",
        "921.6",
        "921.8",
        "922.0",
        "922.2",
        "922.4",
        "922.6",
        "922.8"
      ]
    }
  ]
}
```

```
},
"AS923-3": {
  "fixFreq": 2,
  "freqList": [
    "916.6",
    "916.8",
    "917.0",
    "917.2",
    "917.4",
    "917.6",
    "917.8",
    "918.0"
  ]
},
"AS923-4": {
  "fixFreq": 2,
  "freqList": [
    "917.3",
    "917.5",
    "922.2",
    "922.4",
    "922.6",
    "922.8",
    "923",
    "922"
  ]
}
},
"spreadFactorList": {
  "US915": {
    "defSFVal": "2",
    "sfList": {
      "0": "SF10-DR0",
      "1": "SF9-DR1",
      "2": "SF8-DR2",
      "3": "SF7-DR3"
    }
  },
  "AU915": {
    "defSFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  },
  "KR920": {
    "defSFVal": "2",
    "sfList": {
      "0": "SF12-DR0",
      "1": "SF11-DR1",
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  }
}
```

```

    }
  },
  "AS923-1": {
    "defSFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  },
  "AS923-2": {
    "defSFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  },
  "AS923-3": {
    "defSFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  },
  "AS923-4": {
    "defSFVal": "2",
    "sfList": {
      "2": "SF10-DR2",
      "3": "SF9-DR3",
      "4": "SF8-DR4",
      "5": "SF7-DR5"
    }
  }
}

```

setLoraParam

- **Path:** /api/v1/network/setLoraParam
- **Method:** post

Description

Set LoRa configuration information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
loraConfig	No	object	
>> region	No	string	
>> appEUI	No	string	
>> joinType	No	number	
>> appKey	No	string	
>> deviceAddr	No	string	
>> appSessionKey	No	string	
>> netSessionKey	No	string	
>> rx2DataRate	No	string	
>> rx2Freq	No	string	
>> confirmMode	No	boolean	
>> adrMode	No	boolean	
>> rejoinMode	No	boolean	
>> rejoinRetries	No	number	
>> appPort	No	number	
>> spreadFactor	No	string	
>> loraVer	No	number	
>> chanmask	No	string	
>> chanFreq	No	[string]	
>> chanFreqEnable	No	[boolean]	

- Body example

```
{
  "loraConfig": {
    "appEUI": "24E124C0002A0001",
    "deviceAddr": "FE000001",
    "appKey": "5572404C696E6B4C6F52613230313823",
    "appSessionKey": "5572404C696E6B4C6F52613230313823",
    "netSessionKey": "5572404C696E6B4C6F52613230313823",
  }
}
```

```

"region": "AU915",
"spreadFactor": "2",
"joinType": 0,
"loraver": 1,
"rejoinRetries": 8,
"appPort": 85,
"adrMode": true,
"confirmMode": true,
"rejoinMode": true,
"chanmask": "0-71",
"rx2DataRate": "8",
"rx2Freq": "923.300000",
"chanFreqEnable": [
    true,
    true,
    true,
    true,
    true,
    true,
    true,
    true
],
"chanFreq": [
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0",
    "0.0"
]
}
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

Rule

setRuleParams

- **Path:** /api/v1/system/setRuleParams
- **Method:** post

Description

Set rule configuration.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
roomConf	Yes	object	
>> xMin	Yes	number	Unit:mm
>> xMax	Yes	number	
>> yMin	Yes	number	
>> yMax	Yes	number	
>> zMax	Yes	number	
>> installHeight	Yes	number	
basicConf	Yes	object	
>> sceneTemplate	Yes	number	0: Default; 1: Bedroom; 2: Bathroom; 3: Passage.
>> sensitivity	Yes	number	0: low 1: high (Default)
>> fallDetect	Yes	object	
>>> enable	Yes	boolean	
>>> confirmTime	No	number	Unit: s (0-300)

Name	Required	Type	Description
>> >> delayReportTime	No	number	Unit: s (0-300)
>> >> alarmDuration	No	number	Unit: s (0-1800)
>> dwellDetect	Yes	object	
>> >> enable	Yes	boolean	
>> >> timeThreshold	Yes	number	Unit: s (160-144060)
>> staticDetect	Yes	object	
>> >> enable	Yes	boolean	
>> >> postureFilter	Yes	boolean	
>> >> timeThreshold	Yes	number	Unit: s, (160-6060)
>> learnMode	Yes	boolean	
>> ledEnable	Yes	boolean	
>> buzzerEnable	Yes	boolean	
advancedConf	Yes	object	
>> frameMode	Yes	number	0: Const Frame; 1: Free Frame.
>> frameRate	Yes	integer	
>> coordRotate	Yes	object	
>> >> enable	Yes	boolean	
>> >> xAxis	Yes	number	0-360
>> >> yAxis	Yes	number	
>> >> zAxis	Yes	number	
>> targetsDetect	Yes	object	
>> >> minHight	No	number	
>> >> presenceTime	Yes	number	
>> >> absenceTime	Yes	number	
subRegions	No	[object]	
>> index	Yes	number	0-3
>> type	Yes	number	0:Default, 1:Bed
>> name	Yes	string	

Name	Required	Type	Description
>> xMin	Yes	number	
>> xMax	Yes	number	
>> yMin	Yes	number	
>> yMax	Yes	number	
>> fallDetect	Yes	boolean	
>> occupyDetect	Yes	boolean	
>> staticDetect	Yes	boolean	
>> inBeddetect	Yes	object	
>> >> enable	Yes	boolean	
>> >> startTime	Yes	number	Unit: s
>> >> endTime	Yes	number	Unit: s
>> >> outBedThreshold	Yes	number	Unit: s
>> >> height	Yes	number	Bed height.

- Body example

```

{
  "roomConf": {
    "xMin": -2400,
    "xMax": 2500,
    "yMin": -3000,
    "yMax": 3000,
    "zMax": 1800,
    "installHeight": 3000
  },
  "basicConf": {
    "sceneTemplate": 0,
    "sensitivity": 1,
    "fallDetect": {
      "enable": true,
      "confirmTime": 50,
      "delayReportTime": 40,
      "alarmDuration": 30
    },
    "dwellDetect": {
      "enable": true,
      "timeThreshold": 1800
    },
    "staticDetect": {
      "enable": true,
      "postureFilter": false,
      "timeThreshold": 300
    },
    "learnMode": false,

```

```

    "ledEnable": true,
    "buzzerEnable": true
  },
  "advancedConf": {
    "frameMode": 0,
    "frameRate": 10,
    "coordRotate": {
      "enable": false,
      "xAxis": 0,
      "yAxis": 0,
      "zAxis": 0
    },
    "targetsDetect": {
      "minHight": 0,
      "absenceTime": 5,
      "presenceTime": 3
    }
  },
  "subRegions": [
    {
      "index": 0,
      "type": 0,
      "name": "Region1",
      "xMin": -1400,
      "xMax": 1250,
      "yMin": -1500,
      "yMax": 1500,
      "fallDetect": true,
      "occupyDetect": true,
      "staticDetect": true,
      "inBeddetect": {
        "enable": true,
        "startTime": 75610,
        "endTime": 28810,
        "outBedThreshold": 900,
        "height": 500
      }
    }
  ]
}

```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	

- Response example: **success**

```
{
  "message": "success",
  "code": 0
}
```

getRuleParams

- **Path:** /api/v1/system/getRuleParams
- **Method:** get

Description

Retrieve rule configuration.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	
data	Yes	object	
>> roomConf	Yes	object	
>>> xMin	Yes	number	Unit: :mm
>>> xMax	Yes	number	
>>> yMin	Yes	number	
>>> yMax	Yes	number	
>>> zMax	Yes	number	
>>> installHeight	Yes	number	
>> basicConf	Yes	object	
>>> sceneTemplate	Yes	number	0: Default; 1: Bedroom; 2: Bathroom; 3: Passage.
>>> sensitivity	Yes	number	0: low; 1: high(Default); 2: Custom.

Name	Required	Type	Description
>> >> customExist	Yes	boolean	Check if the custom file exists.
>> >> fallDetect	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> confirmTime	No	number	Unit: s (0-300)
>> >> >> delayReportTime	No	number	Unit: s (0-300)
>> >> >> alarmDuration	No	number	Unit: s (0-1800)
>> >> dwellDetect	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> timeThreshold	Yes	number	Unit: s (160-144060)
>> >> staticDetect	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> postureFilter	Yes	boolean	
>> >> >> timeThreshold	Yes	number	Unit: s, (160-6060)
>> >> learnMode	Yes	boolean	
>> >> ledEnable	Yes	boolean	
>> >> buzzerEnable	Yes	boolean	
>> advancedConf	Yes	object	
>> >> frameMode	Yes	number	0: Const Frame; 1: Free Frame.
>> >> frameRate	Yes	number	
>> >> coordRotate	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> xAxis	Yes	number	0-360
>> >> >> yAxis	Yes	number	
>> >> >> zAxis	Yes	number	
>> >> targetsDetect	Yes	object	
>> >> >> minHight	No	number	
>> >> >> presenceTime	Yes	number	
>> >> >> absenceTime	Yes	number	
>> subRegions	Yes	[object]	

Name	Required	Type	Description
>> >> index	Yes	number	0-3
>> >> type	Yes	number	0: Default; 1: Bed
>> >> name	Yes	string	
>> >> xMin	Yes	number	
>> >> xMax	Yes	number	
>> >> yMin	Yes	number	
>> >> yMax	Yes	number	
>> >> fallDetect	Yes	boolean	
>> >> occupyDetect	Yes	boolean	
>> >> staticDetect	Yes	boolean	
>> >> inBeddetect	Yes	object	
>> >> >> enable	Yes	boolean	
>> >> >> startTime	Yes	number	Unit: s
>> >> >> endTime	Yes	number	Unit: s
>> >> >> outBedThreshold	Yes	number	Unit: s
>> >> >> height	Yes	number	Bed Height, Unit: mm

- o Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "roomConf": {
      "xMin": -2400,
      "xMax": 2500,
      "yMin": -3000,
      "yMax": 3000,
      "zMax": 1800,
      "installHeight": 3000
    },
    "basicConf": {
      "sceneTemplate": 0,
      "sensitivity": 1,
      "customExist": false,
      "fallDetect": {
        "enable": true,
        "confirmTime": 50,
        "delayReportTime": 40,
        "alarmDuration": 30
      }
    }
  }
}
```

```

    },
    "dwellDetect": {
        "enable": true,
        "timeThreshold": 1800
    },
    },
    "staticDetect": {
        "enable": true,
        "postureFilter": false,
        "timeThreshold": 300
    },
    },
    "learnMode": false,
    "ledEnable": true,
    "buzzerEnable": true
},
"advancedConf": {
    "frameMode": 0,
    "frameRate": 10,
    "coordRotate": {
        "enable": false,
        "xAxis": 0,
        "yAxis": 0,
        "zAxis": 0
    },
    },
    "targetsDetect": {
        "minHight": 0,
        "absenceTime": 5,
        "presenceTime": 3
    }
},
"subRegions": [
    {
        "index": 0,
        "type": 0,
        "name": "Region1",
        "xMin": -1400,
        "xMax": 1250,
        "yMin": -1500,
        "yMax": 1500,
        "fallDetect": true,
        "occupyDetect": true,
        "staticDetect": true,
        "inBeddetect": {
            "enable": true,
            "startTime": 75610,
            "endTime": 28810,
            "outBedThreshold": 900,
            "height": 500
        }
    }
]
}
}

```

getAlarmInfo

- **Path:** /api/v1/system/getAlarmInfo
- **Method:** get

Description

Retrieve alarm information.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	
data	Yes	object	
>> alarmInfo	Yes	[object]	
>>> type	Yes	number	0: Fall Alarm 1: Abnormal Static Alarm 2: Dwell Alarm 3: Out of Bed Alarm
>>> ts	Yes	integer	
>>> idx	Yes	number	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "alarmInfo": [
      {
        "idx": 68,
        "ts": 1741351492,
        "type": 2
      }
    ]
  }
}
```

setAlarmInfo

- **Path:** /api/v1/system/setAlarmInfo

- **Method:** post

Description

Set alarm information.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
handle	Yes	integer	
idx	Yes	integer	

- Body example

```
{
  "handle": 35,
  "idx": 99
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	

- Response example: **success**

```
{
  "code": 0,
  "message": "success"
}
```

getRoomStatus

- **Path:** /api/v1/system/getRoomStatus
- **Method:** get

Description

Get current room status.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	
data	Yes	object	
>> detectStatus	Yes	number	0: Normal; 1: Vacant; 2: In-bed; 3: Out of Bed; 4: Fall
>> targetStatus	Yes	number	0: Normal; 1: Stationary; 2: Abnormal.
>> useTimeNow	Yes	number	Unit: s
>> useTimeToday	Yes	number	Unit: s
>> subRegionStatus	Yes	[object]	
>>> index	Yes	number	0-3
>>> status	Yes	number	0: Occupied; 1: Vacant.
>>> name	Yes	string	Area name.

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "detectStatus": 0,
    "targetStatus": 0,
    "useTimeNow": 2270,
    "useTimeToday": 46496,
    "subRegionStatus": [
      {
        "index": 0,
        "name": "Region1",

```

```
    "status": 0
  }
]
}
}
```

getHistoricalData

- **Path:** /api/v1/system/getHistoricalData
- **Method:** post

Description

Retrieve historical alarm data.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
startTs	Yes	integer	Start timestamp, in seconds (required).
endTs	Yes	integer	End timestamp, in seconds (required).
idx	Yes	integer	Start retrieval index (initially 0).

- Body example

```
{
  "startTs": 1741254754,
  "endTs": 1741341154,
  "idx": 22
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	
data	Yes	object	

Name	Required	Type	Description
>> alarmInfo	Yes	[object]	
>>> type	Yes	number	0: Fall Alarm 1: Abnormal Static Alarm 2: Dwell Alarm 3: Out of Bed
>>> ts	Yes	number	Timestamp, unit: seconds (s).
>>> status	Yes	number	1: Unprocessed 2: Processed 3: Ignored
>> idx	Yes	number	Index for next iteration.
>> isEnd	Yes	boolean	Has the retrieval completed? 1: Yes, 0: No

- o Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "alarmInfo": [
      {
        "status": 3,
        "ts": 1741257593,
        "type": 2
      },
      {
        "status": 3,
        "ts": 1741262463,
        "type": 2
      },
      {
        "status": 3,
        "ts": 1741272090,
        "type": 2
      },
      {
        "status": 3,
        "ts": 1741275729,
        "type": 2
      },
      {
        "status": 3,
        "ts": 1741278447,
        "type": 2
      },
      {
        "status": 3,
        "ts": 1741292875,
        "type": 2
      },
      {

```

```

        "status": 3,
        "ts": 1741326135,
        "type": 2
    },
    {
        "status": 3,
        "ts": 1741335708,
        "type": 2
    },
    {
        "status": 3,
        "ts": 1741339690,
        "type": 2
    }
],
"idx": 69,
"isEnd": true
}
}

```

deleteHistoricalData

- **Path:** /api/v1/system/delHistoricalData
- **Method:** post

Description

Delete historical data.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	

- Response example: **success**

```

{
  "message": "success",
  "code": 0
}

```

Dashboard

liveview (websocket)

- **Path:** /api/v1/liveview
- **Method:** get

Description

Real-time preview.

Request

- Header

Name	Required	Type	Value	Description
Content-Type	Yes	string	application/json	

- Body

Name	Required	Type	Description
mode	Yes	integer	1: Trajectory transmission; 2: Point cloud data.

- Body example

```
{  
  "mode": 1  
}
```

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
trackers	Yes	[object]	1: : Trajectory transmission
>> x	Yes	integer	mm
>> y	Yes	integer	
>> z	Yes	integer	
roomStatus	No	object	

Name	Required	Type	Description
>> detectStatus	Yes	number	0: Normal; 1: Vacant; 2: In-bed; 3: Out of Bed; 4: Fall.
>> targetStatus	Yes	number	0: Normal; 1: Motionless; 2: Abnormal.
>> useTimeNow	Yes	number	Unit: s
>> useTimeToday	Yes	number	Unit: s
>> subRegionStatus	Yes	[object]	
>>> index	Yes	number	0-3
>>> status	Yes	number	0: Occupied; 1: Vacant.
>>> name	Yes	string	Area name.
isAlarmChange	Yes	boolean	

- Response example: **Success**.

```
{
  "trackers": [
    {
      "x": 73,
      "y": 7,
      "z": 79
    }
  ],
  "roomStatus": {
    "detectStatus": 1,
    "targetStatus": 1,
    "useTimeNow": 97603690874,
    "useTimeToday": 138156389700,
    "subRegionStatus": [
      {
        "index": 4,
        "status": 13,
        "name": "qqq"
      }
    ]
  },
  "isAlarmChange": true
}
```

trackers

- **Path:** /api/v1/system/trackers
- **Method:** get

Description

Retrieve trajectory points.

Response

Code	ContentType
200	json

- HTTP Status Code **200**

Name	Required	Type	Description
code	No	number	0: Success.
message	Yes	string	
data	Yes	object	
>> trackers	Yes	[object]	1:Trajectory transmission.
>>> x	Yes	integer	mm
>>> y	Yes	integer	
>>> z	Yes	integer	

- Response example: **success**

```
{
  "message": "success",
  "code": 0,
  "data": {
    "trackers": [
      {
        "x": 358,
        "y": 191,
        "z": 1129
      }
    ]
  }
}
```