



# User Guide

## TxWireless EDGE Insights

API and SDK Document.

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# TxWireless EDGE Insights API

## connect.taoglas.com

API and SDK Documentation

Version: 1.0

OpenAPI Specification of TxWireless EDGE Insights API-

## Generic

### retrieveConnectionDetails

Retrieve the latest connection details report for the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/connection_details/
```

#### Parameters

##### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

##### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Responses

##### Status: 200 - Success

Schema

##### Status: 403 - Forbidden

##### Status: 404 - Not Found

## retrieveDeviceAlarms

Retrieve the alarms reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

/v2/devices/{deviceId}/alarms/

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The max number of items to return.</i>
startTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveDeviceConfig

Retrieve the device configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/deviceConfig/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveDeviceLogs

Retrieve the logs reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/logs/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The max number of items to return.</i>
startTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveDeviceReport

Retrieve the latest report uploaded by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/report/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveDeviceStateReport

Retrieve the list of operating modes reported from EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/deviceStateReport/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this EDGE device</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The max number of items to return.</i>
startTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found



## retrieveDeviceStatistics

Retrieve the statistics reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

/v2/devices/{deviceId}/statistics/

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The max number of items to return.</i>
startTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveDeviceType

Retrieve the alarms reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/deviceType/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this EDGE device</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveSensorConfig

Retrieve the sensor configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/sensorConfig/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

### Responses

#### Status: 200 - Success

Schema

--

#### Status: 400 - Bad Request

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveSensorsData

Retrieve the sensor data points for an EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/sensor_data/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The max number of items to return.</i>
startTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	<b>Integer</b> <i>The unixtime, in milliseconds, for the end of range to be considered.</i>
sensorKeys	<b>array[String]</b> <i>List of sensor keys</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## updateDeviceConfig

Update the device configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

PUT

```
/v2/devices/{deviceId}/deviceConfig/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Body parameters

Name	Description
body *	

### Responses

**Status: 200 - Success**

---

**Status: 400 - Bad Request**

---

**Status: 403 - Forbidden**

---

**Status: 404 - Not Found**

---

## updateSensorConfig

Update the sensor configuration information for a given EDGE device

PUT

```
/v2/devices/{deviceId}/sensorConfig/
```

### Parameters

#### Path parameters

Name	Description
deviceId*	<b>String</b> <i>The unique device identifier.</i> <b>Required</b>

#### Header parameters

Name	Description
DEVICE-KEY	<b>String</b> <i>The corresponding device key for the device identifier.</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

#### Body parameters

Name	Description
body *	

### Responses

**Status: 200 - Success**

---

**Status: 400 - Bad Request**

---

**Status: 403 - Forbidden**

---

**Status: 404 - Not Found**

---

# Organisation

## addDeviceToGroup

Add specified device to specified group

PUT

```
/v2/organisation/{organisationId}/groupId/devices/{deviceId/}
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>
deviceId*	<b>String</b> <i>The unique device id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

**Status: 200 - Success**

---

**Status: 403 - Forbidden**

---

**Status: 404 - Not Found**

---

## deleteDeviceFromGroup

Delete specified device from specified group

**DELETE**

```
/v2/organisation/{organisationId}/groupId/deleteDevice/{deviceId}/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>
deviceId*	<b>String</b> <i>The unique device id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

**Status: 200 - Success**

**Status: 403 - Forbidden**

**Status: 404 - Not Found**



## delete Group

Delete specified group

**DELETE**

```
/v2/organisation/{organisationId}/{groupId}/deleteGroup/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

**Status: 200 - Success**

---

**Status: 403 - Forbidden**

---

**Status: 404 - Not Found**

---

## groupConfig

Config update for all devices in specified group

PUT

```
/v2/organisation/{organisationId}/{groupId}/conf/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

#### Body parameters

Name	Description
body *	

### Responses

**Status: 200 - Success**

---

**Status: 400 - Bad Request**

---

**Status: 403 - Forbidden**

---

**Status: 404 - Not Found**

---

## organisationID

Retrieve organisation ID based on organisation key

GET

/v2/key/

### Parameters

Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>An organisation key, for the organisation that this Edge device is associated with</i>

### Responses

**Status: 200 - Success**

Schema

**Status: 204 - No Content**

**Status: 403 - Forbidden**

**Status: 404 - Not Found**

## retrieveOrganisationGroupDevices

Retrieve all devices in a group

GET

```
/v2/organisation/{organisationId}/groupId/devices/list/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The numbers of items to return</i>
deviceType	<b>array[String]</b> <i>List of device Types</i>
sensorType	<b>array[String]</b> <i>List of sensor types</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 204 - No Content

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveOrganisationGroupsSensorType

Retrieve all types of sensors associated with a group in an organisation

GET

```
/v2/organisation/{organisationId}/{groupId}/sensorTypes/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 204 - No Content

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveOrganisationGroupsDeviceType

Retrieve all types of devices associated with a group in an organisation

**GET**

```
/v2/organisation/{organisationId}/{groupId}/deviceTypes/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 204 - No Content

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveOrganisationsDevices

Retrieve all devices associated with an organisation

GET

```
/v2/organisation/{organisationId}/devices/list/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>

#### Query parameters

Name	Description
limit	<b>Integer</b> <i>The numbers of items to return</i>
deviceType	<b>array[String]</b> <i>List of device Types</i>
sensorKey	<b>array[String]</b> <i>List of sensor keys</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 204 - No Content

#### Status: 403 - Forbidden

#### Status: 404 - Not Found

## retrieveOrganisationsGroups

Retrieve all groups associated with an organisation

GET

```
/v2/organisation/{organisationId}/groups/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>

### Responses

#### Status: 200 - Success

Schema

#### Status: 204 - No Content

#### Status: 403 - Forbidden

#### Status: 404 - Not Found



## updateGroupFirmware

Update firmware for devices in specified group

PUT

```
/v2/organisation/{organisationId}/groupId/firmwareUpdate/{firmwareId}/
```

### Parameters

#### Path parameters

Name	Description
organisationId*	<b>String</b> <i>The unique organisation id</i> <b>Required</b>
groupId*	<b>String</b> <i>The unique group id</i> <b>Required</b>
firmwareId*	<b>String</b> <i>The unique firmware id</i> <b>Required</b>

#### Header parameters

Name	Description
ORGANISATION-KEY	<b>String</b> <i>The corresponding organisation key for the organisation</i>
USER-KEY	<b>String</b> <i>A user key, for a user that has permissions for this organisation</i>

### Responses

**Status: 200 - Success**

**Status: 403 - Forbidden**

**Status: 404 - Not Found**

Suggestions, contact, support and error reporting;

Information URL: <https://www.txwireless.com/contact-us/>

Contact Info: [support@txwireless.com](mailto:support@txwireless.com)

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