

Technical Note No. 058

API Authentication (for Models AQLite, AQSync, and PAM)

Date: 27 June 2024

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Summary:

2B Technologies' data Application Programming Interface (API) uses an HTTP header to authenticate and authorize requests. Include this header to obtain secure connection to your data.

Tools/Materials Needed:

Each company is granted a unique API key. Contact your company admin to see if one already exists for your company. If not, contact 2B Technologies to request one.

Procedure:

Authenticate the Request

Once you have an API key, add a new header to your HTTP request with the key **x-company-key**, with the value set to the API key. See the code examples below for how to add this to your request.

Note that the response code will indicate if the request was successful and will help in diagnosing issues.

A **200** code indicates that the request was successful!

A **401** code indicates that the request is unauthenticated. Most likely, the API key was typed or copied wrong.

A **403** code indicates that you do not have permission to view the requested device. If you believe this to be an error, please contact 2B Technologies.

Using python

```
from os import environ

import requests
import json

company_key = environ.get('X_COMPANY_KEY', 'paste-your-key-here')
device = 'AQSync-1003'
```

```
response = requests.get(
    f'http://air.api.airqdb.com/v2/uploads/primary/time-series/{ device }',
    headers={
        'x-company-key': company_key
    },
    params={
        "start": "2024-05-09T00:00:00Z",
        "end": "2024-05-09T00:00:00Z",
        "average": "0"
    }
)

assert response.status_code == 200, 'Request was not successful'

data = response.json()
print(json.dumps(data, indent=4))
```

Using JavaScript

```
const axios = require('axios');

let company_key = process.env['X_COMPANY_KEY'] || 'paste-your-key-here';
let device = 'AQSync-1003';

axios.get(
    `http://air.api.airqdb.com/v2/uploads/primary/time-series/${ device }`,
    {
        headers: {
            'x-company-key': company_key
        },
        params: {
            "start": "2024-05-09T00:00:00Z",
            "end": "2024-05-09T00:00:00Z",
            "average": "0"
        }
    }
)
.then((response) => {
    console.log(response.data);
})
.catch((error) => {
    console.log(error);
})
```