Unified Data Streaming - Account Guide

English | API v1 | Swagger and Postman | Customer guide

An account-specific URL provides a single JSON stream of telemetry for farms and devices authorized to that account. The organization name in the URL is not a password or permission grant.

Before you begin

You need a ThingsCommute account with access to the relevant farms or devices. Sign in to the web application first and confirm the data is visible to your account. Access to an API endpoint does not grant access to other users' data.

1. Obtain your JWT access token

In Postman create a POST request to the following URL. Select Body > raw > JSON and send your ThingsCommute username and password:

```
https://api.thingscommute.net/api/v1/auth/token/
```

```
{"username":"YOUR_USERNAME","password":"YOUR_PASSWORD"}
```

A successful response (HTTP 200) includes access and refresh. Copy the access value only. Do not use the refresh token for API calls.

2. Authenticate in Postman

Open the request you want to make. In Authorization, choose Bearer Token and paste only the access token, without quotes or the word Bearer. Add Accept: application/json under Headers. Postman will send the correct authorization header.

```
Authorization: Bearer YOUR_ACCESS_TOKEN
Accept: application/json
```

Alternative: Swagger in your browser

Open https://api.thingscommute.net/api/docs/. Under auth, execute POST /api/v1/auth/token/; copy the access token from the response body. Click Authorize > jwtAuth, paste the token without Bearer, then click Authorize and Close.

3. Get your account-specific stream URL

Use the stream URL assigned to your ThingsCommute account or organization. The format is:

```
https://api.thingscommute.net/api/v1/telemetry/stream/<ACCOUNT_ID>/<ACCOUNT_SLUG>/
```

Illustrative format only: replace both placeholders with the actual values supplied for your account. Do not use another organization’s URL. The slug identifies the account; the JWT and server-side permissions determine access.

4. Request the stream in Postman

Create a GET request to your assigned URL. Under Authorization choose Bearer Token and paste the access token from step 1. Add Accept: application/json and click Send.

```
GET https://api.thingscommute.net/api/v1/telemetry/stream/<ACCOUNT_ID>/<ACCOUNT_SLUG>/
```

HTTP 200 returns account-authorized telemetry in JSON. The available farms, devices, measurements and timestamps depend on the account and incoming data. This is an authenticated endpoint, not a public feed.

5. Integrate safely

Use HTTPS and send the Bearer token with every request. Handle token expiry and rate limits. Check the returned JSON structure before writing your parser; do not assume all sensors report identical fields. Account-specific access is enforced on the server.

Note: This guide documents the JSON GET stream. It does not claim WebSocket, MQTT or server-sent-event support at this URL.

Common errors

Status	What it means / next step
200 OK	Request succeeded; inspect the JSON response.
400 Bad Request	Check required fields, JSON syntax and parameters.
401 Unauthorized	Access token missing, invalid or expired; authenticate again.
403 Forbidden	Your account lacks permission for this operation.
404 Not Found	Check the URL and resource; an inaccessible account-scoped stream may also return 404.
429 Too Many Requests	Rate limit reached; wait before retrying.

Security and support

Never publish passwords, JWTs, refresh tokens or authorization headers. Use HTTPS. Tokens expire; request a new access token when needed. When contacting support, share the endpoint, HTTP status and a redacted response, not credentials.

Reference: ThingsCommute Developer API Quick Start, API v1.0.0. Check live Swagger for the current endpoint schema.