User API - Accessing Your Farm Data

English | API v1 | Swagger and Postman | Customer guide

The User API gives authenticated users access to permitted farm and device information. Start with the documented endpoints and verify the response for your own account.

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. Retrieve your registered devices

Create a GET request in Postman with Bearer Token authorization:

```
https://api.thingscommute.net/api/v1/devices/
```

A successful request returns only the devices your account may access. Use the identifiers returned by the API rather than guessing device or farm IDs.

4. Choose the data you need

For farm, soil, environment, livestock, asset, BLE or overview data, open Swagger and choose a documented GET operation. Read the endpoint description and parameters before copying its URL into Postman. The API resource portal is at https://api.thingscommute.net/api/v1/ .

5. Read-only usage and account scope

GET requests are intended for reading. Do not assume POST, PUT, PATCH or DELETE is permitted; these methods can change data and depend on account permissions. An empty result may simply mean your account has no accessible records of that type.

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.