

# Device Management API Reference

A sample API reference for managing and tracking devices in fleet tracking systems.

## Base URL

`https://api.fleettracker.com/v1`

## Authentication

All endpoints require an `Authorization` header with a valid API key.

`Authorization: Bearer <your_api_key>`

## Endpoints

### **GET** /devices

Retrieve a list of all registered devices.

Query Parameters	Type	Description
<code>status</code>	string	Filter by device status (e.g., <code>active</code> , <code>inactive</code> )
<code>limit</code>	integer	Maximum number of devices to return

### **GET** /devices/{deviceId}

Get details for a single device by its ID.

URL Parameter	Type	Description
<code>deviceId</code>	string	ID of the device

### **POST** /devices

Register a new tracking device.

#### **Request Body (JSON):**

```
{  
  "name": "Vehicle 107",  
  "serialNumber": "SN96401",  
  "type": "gps_tracker"  
}
```

### **PATCH** /devices/{deviceId}

Update information for an existing device.

#### **Request Body (JSON):**

```
{  
  "name": "Vehicle 107 (updated)",  
  "status": "active"  
}
```

**DELETE** /devices/{deviceId}

Delete a device from the system.

## Sample Response

**GET /devices/{deviceId}**

```
{  
  "id": "dev_1359",  
  "name": "Vehicle 107",  
  "serialNumber": "SN96401",  
  "type": "gps_tracker",  
  "status": "active",  
  "lastLocation": {  
    "lat": 37.7723,  
    "lng": -122.4211,  
    "timestamp": "2024-06-22T10:15:00Z"  
  }  
}
```

## Common Status Codes

Code	Meaning
200	Success
201	Created
400	Bad Request
401	Unauthorized
404	Not Found
500	Server Error