

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

### GET /devices/{deviceId}

Get details for a single device by its ID.

URL Parameter	Type	Description
deviceId	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