



# PUSH-API Documentation V1.8

## Summary

The Push-API consists of a POST request to an endpoint provided to you with an API-Key for authentication and JSON data in the HTTP body, containing the telematics data.

## URL

The URL consists of the BaseURL and the Endpoint. The BaseURL will be send to you alongside this document, while the endpoint is always at “/telematics/Positions”:

<https://<BASEURL>/telematics/positions>

## Authentication

Authentication is based on an **API-Key**, provided to you. The API-Key is used to authenticate *and* associate the data to the right account.

If multiple companies are integrated using the same integrator/telematics provider, one API-Key for each is required.

There is no separate authentication endpoint. The **apiKey** must be sent with each request to our service.

The API-Key must be sent in HTTP Header field “**apiKey**” (Please beware that the header key is case-sensitive)

## Response in case of missing or wrong apiKey

401 Unauthorized  
Content-Length: 57

Problem with request: Please provide valid apikey header.



## Sample HTTP Request

The Telematics data must be submitted in the body of the HTTP POST request. Data must be JSON-formatted. Each Position must be in the Root Object "Vehicles".

Data can be submitted for multiple vehicles at once and/or multiple positions per vehicle.

```
POST /Telematics/Positions HTTP/1.1
Host: push-test.agheera.com
apiKey: 0eec610a-aad5-4f60-91c7-7f9a4089d5b5
Content-Type: application/json
Content-Length: 903

{
  "Vehicles": [
    //full-fledged example
    {
      "latitude": 49.2056016,
      "longitude": 9.474435,
      "vehicleId": "351433553478270",
      "licensePlate": "AB-XY-123",
      "measurementTime": "2023-06-01T09:20:12Z",
      "fleetId": "someinternalID",
      "speed": 79.2,
      "direction": 120,
      "odometer": 320000,
      "temperature1": 22.0,
      "assetType": "Trailer",
      "assetSubType": "Thermoking Reefer",
      "vin": "1F6A898J012345678",
      "iluCode": "DHLD6435228"
    },
    //minimum example (only mandatory fields)
    {
      "Latitude": 50.36,
      "Longitude": 10.2435,
      "vehicleId": "351433553430172",
      "LicensePlate": "CD-VW-456",
      "MeasurementTime": "2023-06-01T09:25:12Z"
    }
  ]
}
```

## Response

```
200 OK
Content-Length: 18

Messages received.
```

## Documentation of fields

Each block of data must contain at least Latitude, Longitude, vehicleId, LicensePlate and Measurementtime. The other fields are optional. If you want to push additional fields that are not listed below, please get in contact with our team.

Name	Type	Value	Example	mandatory
<b>latitude</b>	Double	Latitude Value of Position, decimal	49.2056	<b>yes</b>
<b>longitude</b>	Double	Longitude Value of Position, decimal	9.4744	<b>yes</b>
<b>vehicleId</b>	String (32)	Unique Identifier – ideally of GPS box (f.e. IMEI, SerialNo etc.). Alternatively, a unique identifier of the Vehicle (f.e. VIN, GUID etc.) If not available, fill with licenseplate.	351433553478270	<b>yes</b>
<b>licensePlate</b>	String (32)	License plate of the Vehicle. If not available (f.e. container / swap body), please submit another name reference.	AB-XY-123 or 800129	<b>yes</b>
<b>measurementTime</b>	String (20)	Timestamp of the GPS Positioning, in <b>UTC timezone</b> <b>Format: yyyy-MM-ddTHH:mm:ssZ</b>	2023-06-01T09:20:12Z	<b>yes</b>
<b>fleetId</b>	String (32)	A secondary vehicle Identifier (f.e. internal Number/Code)	ABXIUAOSAD	no
<b>vin</b>	String (17)	Vehicle Identification Number (VIN)	1F6A898J012345678	no
<b>iluCode</b>	String (11)	ILU-Code or BIC-Code of Loading Unit	DHLD6435228	no
<b>speed</b>	Double	Speed in kilometers per hour	79.1	no
<b>direction</b>	Integer	Direction/Heading in degrees	122	no
<b>odometer</b>	Double	Odometer / Mileage Counter of vehicle in kilometers	320456.2	no
<b>temperature1</b>	Double	Temperature probe value in °Celsius	22.0	no
<b>assetType</b>	String Enum	Type of the Vehicle, must be one of: - Car - Van - Train - Vessel - Truck - Trailer - SwapBody - Other	Trailer	no
<b>assetSubType</b>	String (32)	More details on Vehicle Type. f.e. Trailer Type or manufacturer or model	Thermoking Reefer	no