



Create Consignment

1. Overview

The Create Consignment endpoint allows you to programmatically create a new shipment (consignment) in Kamion. This is the primary method for booking freight, generating a consignment number for tracking, generate shipping documents (labels & connote), and providing all necessary details for pickup and delivery.

This operation is idempotent-safe for requests with the same payload within a 5-minute window to prevent accidental duplicate consignments. Upon successful creation, the system returns a human-readable consignmentNumber.

2. Authentication

All requests to the Kamion API must be authenticated. Authentication is performed via an JWT token sent in the request header. The JWT token can be obtained via the [Authentication](#) API. The JWT has a TTL of 5 minutes.

| Header | Description |
|--------------------------|--|
| Authorization: JWT_token | Required. Your unique secret JWT token. |

Kamion recommends to keep your keys secure and do not expose them in client-side code.

3. Endpoints

| Environment | Endpoint |
|-------------|---|
| UAT | <code>https://customer-integration-api-uat.kamion.com.au/api/consignment</code> |
| Production | <code>https://customer-integration-api.kamion.com.au/api/consignment</code> |

4. Data Model

The body of the POST request must be a JSON object containing the consignment details.

Request Body

| Field | Type | Required | Description |
|--------------------------|--------|----------|--|
| customerCode | string | Yes | Your unique company identifier. |
| carrierServiceIdentifier | string | Yes | The human-readable ID of the carrier service you wish to use for this consignment. |

| | | | |
|----------------------------|-----------------------------|-----|---|
| carrierIdentifier | string | Yes | The carrier to be used for this consignment. |
| chargeAccount | string | No | The account number to be charged for this consignment. |
| sender | object | Yes | An object containing the sender's address and contact details. See below. |
| receiver | object | Yes | An object containing the receiver's address and contact details. See below. |
| senderAdditionalServices | object | No | An object detailing any additional services required at the pickup location. |
| receiverAdditionalServices | object | No | An object detailing any additional services required at the delivery location. |
| items | array[object] | Yes | An array of item objects being shipped. Must contain at least one item. |
| references | string (comma-separated) | No | A list of top-level reference numbers for the consignment (e.g., PO Number). |
| deliveryInstructions | string | No | Special instructions for the driver at the delivery location. |
| pickupInstructions | string | No | Special instructions for the driver at the pickup location. Only used if applicable. |
| consignmentDeliveryType | integer | Yes | The type of delivery service required (e.g., 1 for Outbound, 2 for Return and 3 for 3rd Party). |
| loscamPallet | object | No | Details for Loscam pallets. See Pallet Object below. |
| chepPallet | object | No | Details for Chep pallets. See Pallet Object below. |
| otherPallet | object | No | Details for other pallet types. See Pallet Object below. |

| | | | |
|--------------|----------------------|-----|--|
| despatchDate | string (ISO 8601) | Yes | The expected date and time of despatch in UTC format (e.g., 2025-07-08T09:00:00Z). |
|--------------|----------------------|-----|--|

Sender / Receiver Address Object

| Field | Type | Required | Description |
|------------------|--------|----------|--|
| name | string | No | A user-friendly name or code for a saved address. |
| addressLine1 | string | Yes | The primary street address. |
| addressLine2 | string | No | Additional address information (e.g., suite, level). |
| suburb | string | Yes | The suburb name. |
| state | string | Yes | The state or province abbreviation (e.g., "VIC", "NSW"). |
| postcode | string | Yes | The postal code. |
| contactFirstName | string | No | The First Name of the primary contact person at this location. |
| contactLastName | string | No | The Last Name of the primary contact person at this location. |
| contactPhone | string | No | The phone number for the contact person. |
| contactEmail | string | No | The email address for the contact person. |

Additional Services Object

| Field | Type | Required | Description |
|----------------------|---------|----------|---|
| isResidentialAddress | boolean | No | true if the location is a residential address. |
| isHandUnload | boolean | No | true if manual unloading by the driver is required. |
| hasAuthorityToLeave | boolean | No | true if the driver has authority to leave the goods if unattended. Not applicable to senders. |

| | | | |
|------------|---------|----|---|
| isTailGate | boolean | No | true if a truck with a tailgate lift is required. |
| isTimeslot | boolean | No | true if delivery or pickup requires a specific time slot. |

Item Object

| Field | Type | Required | Description |
|-----------------|---------|----------|--|
| itemName | string | No | A description of the item. |
| quantity | integer | Yes | The number of units for this item line. Must be greater than 1. |
| sku | string | No | The Stock Keeping Unit or product code. |
| height | number | Yes | The height of a single unit in millimetres (mm). |
| length | number | Yes | The length of a single unit in millimetres (mm). |
| width | number | Yes | The width of a single unit in millimetres (mm). |
| weight | number | Yes | The weight of a single unit in kilograms (kg). |
| isDangerousGood | boolean | No | true if the item is classified as a dangerous good. |
| unitOfMeasure | string | Yes | The type of unit (e.g., "Carton", "Pallet", "Satchel"). |
| palletSpace | integer | No | The number of pallet spaces required. This is only applicable if required by the customer. |
| references | string | No | Additional information specific to this item line. |

Pallet Object

| Field | Type | Required | Description |
|-------|---------|----------|-------------------------------------|
| trade | integer | No | The number of pallets to be traded. |

| | | | |
|----------|---------|----|--|
| exchange | integer | No | The number of pallets to be exchanged. |
|----------|---------|----|--|

5. Example Request and Response

Example Request (cURL)

```

1 curl -X 'POST' \
2   'https://customer-integration-api-uat.kamion.com.au/api/consignment' \
3   -H 'accept: */*' \
4   -H 'Authorization: YOUR_SECRET_TOKEN'
5   -H 'Content-Type: application/json' \
6   -d '{
7     "companyCode": WILLCO,
8     "carrierIdentifier": MUVE
9     "carrierServiceIdentifier": General,
10    "chargeAccount": "WCG",
11    "sender": {
12      "addressLine1": "11 Bale Circuit",
13      "addressLine2": "",
14      "suburb": "SOUTHBANK",
15      "state": "VIC",
16      "postcode": "3006",
17      "contactName": "David",
18      "contactPhone": "0488888888",
19      "contactEmail": "david@sender.com"
20    },
21    "receiver": {
22      "addressLine1": "247 Ryedale Road",
23      "addressLine2": "",
24      "suburb": "EASTWOOD",
25      "state": "NSW",
26      "postcode": "2122",
27      "contactName": "Jason",
28      "contactPhone": "0466666666",
29      "contactEmail": "jason@receiver.com"
30    },
31    "senderAdditionalServices": {
32      "isResidentialAddress": false,
33      "isHandUnload": false,
34      "hasAuthorityToLeave": false,
35      "isTailGate": false,
36      "isTimeslot": false,
37    },
38    "receiverAdditionalServices": {
39      "isResidentialAddress": false,
40      "isHandUnload": false,
41      "hasAuthorityToLeave": false,
42      "isTailGate": false,
43      "isTimeslot": false,
44    },
45    "items": [
46      {
47        "itemName": "N/A",
48        "quantity": 9,
49        "sku": "SKU1",
50        "height": 333,

```

```

51     "length": 111,
52     "width": 222,
53     "weight": 13,
54     "isDangerousGood": false,
55     "unitOfMeasure": "Satchel",
56     "references": [
57         "string"
58     ]
59 }
60 ],
61 "references": [
62     "string"
63 ],
64 "deliveryInstructions": "Pick up from reception. Be ware of dogs when deliver.",
65 "consignmentDeliveryType": 1,
66 "loscamPallet": {
67     "trade": 0,
68     "exchange": 0
69 },
70 "chepPallet": {
71     "trade": 0,
72     "exchange": 0
73 },
74 "otherPallet": {
75     "trade": 0,
76     "exchange": 0
77 },
78 "despatchDate": "2026-07-07T05:22:36.512Z"
79 }

```

Example Success Response

Status: 201 Created

```

1 {
2   "consignmentNumber": "WCG10001"
3 }

```

6. Error Handling

When an API call fails, the response body will contain a JSON object with details about the error.

Error Response Format

```

1 {
2   "type": "AutoMapperMappingException",
3   "title": "An error occurred",
4   "status": 500,
5   "detail": "Missing type map configuration or unsupported mapping.\r\n\r\nMapping
types:\r\nKamionManifest ->
KamionManifestResponse\r\nKamion.Customer.Integration.Application.Models.Kamion.KamionManifest ->
Kamion.Customer.Integration.Application.Models.Kamion.KamionManifestResponse",
6   "instance": "POST /api/manifest",
7   "trace-id": "0HNE4VENPFHVK:00000001"
8 }

```

7. Status Codes

| Code | Meaning | Description |
|------|-----------------------|---|
| 201 | Created | The consignment was successfully created. |
| 400 | Bad Request | The request was malformed, or failed validation (e.g., missing a required field). |
| 401 | Unauthorized | The API key is missing, invalid, or expired. |
| 403 | Forbidden | The API key is valid but does not have permission for this action. |
| 429 | Too Many Requests | You have exceeded the rate limit. See the Retry-After header. |
| 500 | Internal Server Error | A generic error occurred on our end. Please contact Kamion support. |

8. Rate Limits

To ensure system stability, this endpoint is rate-limited. The current limits are:

- **12 requests per minute** per API key.

If you exceed this limit, you will receive a 429 Too Many Requests response. The Retry-After header will indicate how many seconds to wait before making a new request.

9. Development / Testing Tools

The following tools are available, without warranty, for development and testing purposes.

| Tool | |
|--------------------------------|--|
| UAT - Swagger |  |
| GUI Consignment JSON Generator |  |

10. Terms of Use

- This API is provided for use by authorised customers and partners only.
- By using this API, you agree to our full [Terms of Service](#).

- Misuse of the API, including attempting to circumvent rate limits or security, may result in the revocation of your API access.

Changelog

- **2023-10-27 - v1.0.0**
 - **NEW:** Initial release of the Create Consignment API.
- **2023-11-15 - v1.0.1**
 - **FIX:** Corrected an issue where despatchDate in the past was being accepted.
 - **UPDATE:** Added sku as an optional field to the Item object.