

**OPERATING INSTRUCTIONS FOR POSTI LOCATION
SERVICE REST INTERFACE**

1. General

Posti Location Service is a component which provides a clean REST API to Posti location data. It is based on simple one endpoint REST API which only supports GET method. Posti Location Service contains all Posti domestic pickup points: Postal offices, Business service points, Parcel lockers, other pickup points and Posti letter boxes. The service also contains about 44000 Parcel Connect pickup points all around Europe and Baltics.

Supported content type: application/json

Authentication: is not required at the moment.

Endpoint: <https://locationservice.posti.com/location>

2. Query parameters

Supported query parameters:

Query parameter	Descriptions
types (optional)	supported location types are POSTOFFICE, LETTERBOX, SMARTPOST, PICKUPPOINT, BUSINESSSERVICE, POBOX, LOCKER
lat	Latitude of center location that search is done for. Top or distance parameter is required.
lng	Longitude of center location that search is done for. Top or distance parameter is required.
top	amount of locations to return. API returns this amount of closest locations.
distance	Filter which allows user to limit distance of returned locations. Parameter is used together with lat/lng
topLeftLat topLeftLng bottomRightLat bottomRightLng	Limits results to geographical bounding box.
zipCode	Filter results based on zipcode

locationZipCode	Find the closest pickup points using zipcode
strictZipCode	This is used together with zipCode parameter. If this is set true only results that exactly match to the location zipcode are shown. If strictZipCode is false, postal code area list is used to match location to queried zipcode. Default value is false.
countryCode	Limits results to given county. Default value is FI (Finland)
city	Filter results based on city. Matches to any language version of the city.
municipality	Filter results based on municipality. Matches to any language version of the municipality.
pupCode	Filter results based on PupCode
partnerType	Filter results based on partner type. Allowed types: POSTI, AIBE, BOXNET, TOPO_CENTRAS.

3. Response parameters

The response contains array of locations in JSON format:

Location parameter	Description
id	Unique service location identifier
type	<p>Location type (POSTOFFICE, LETTERBOX, SMARTPOST, PICKUPPOINT, BUSINESSSERVICE, POBOX, LOCKER)</p> <p>NB. In-depth instructions on when and how to use different types you find on the Posti's website here (and here, in Finnish). On the site you find recommended texts, banners and logos.</p> <p>For webshop the typical types to request would be like this:</p> <ul style="list-style-type: none"> • parcel terminals = SMARTPOST, LOCKER • postal outlets = POSTOFFICE, PICKUPPOINT <p>Short explanation for different types is as follows:</p> <ul style="list-style-type: none"> • POSTOFFICE = In the post office or postal outlet one can buy, get or send letters, parcels or other stuff as well.

- LETTERBOX = As the name states with this one can send letters.
- SMARTPOST = Parcel terminal which locates in public space (malls etc.) where one can access terminal within the opening hours of premises where terminal locates.
- LOCKER = Almost like the previous one SMARTPOST but locates most probably in apartment house or similar space where there is limited access for others than residents. Despite this we recommend that you show these pickup points to the customers. Just consider showing these types in separate drop-down list/list of your preference. Makes it easier for your customers to find the right parcel terminal. In the publicName of points of these types is information that pickup point locates in a space with limited access.
- PICKUPPOINT = This is like POSTOFFICE but you cannot buy stamps or anything like that postal stuff here. This is “light version” of POSTOFFICE so you can pick up parcels or leave customer returns or parcels with Helposti-code here.
- BUSINESSSERVICE = This is place for business customers of Posti. Don't offer this type for webshop customers for picking up parcels or anything like that. Use this type wisely.
- POBOX = P.O. box for use with those customers of Posti which have made contract of P.O. box. Note that P.O. box is not allowed for receiving parcels but letters, magazines and other similar stuff.

Second way to do request is to leave type out and just filter out all those unneeded types from the result list, like LETTERBOX, POBOX and BUSINESSSERVICE in case you are looking for those pickup points that you offer for parcel pick up.

postalCode	postal code
postalCodeAreas	postal code area
address	Address object for each language (fi, sv, en) that includes street address, postal code, postal code name and municipality
publicName	Public name of the location in each language. This is the name to show to end customer for choosing the location.
locationName	Name of the location in each language. NB. This field is actually additional information to publicName since it describes the EXACT physical location eg. “Opposite the cash registers”.

labelName	Pickup point label name
countryCode	Country of the location
dropOfTimeParcel	Drop of time for the parcels
dropOfTimeLetters	Drop of time for the letters
dropOfTimeExpress	Drop of time for the express letters
additionalInfo	Additional information like special opening times.
customerServicePhoneNumber	Customer service phone number
openingTimes	Array of opening times. Each element has weekday (1 = Monday, 7 = Sunday), time location opens (timeFrom) and time location closes (timeTo)
availability	Opening hours in string format e.g ma-pe 7.00 - 21.00, la 08.00 - 18.00
wheelchairAccess	true/false depending if location is accessibly by wheelchair
pupCode	Unique pick up point code.
routingServiceCode	Routing service code for the location
partnerType	Partner type that can be: POSTI, AIBE, BOXNET, TOPO_CENTRAS.

4. Sample queries

Posti Location Service – Sample queries:

Search by the postal code name <https://location.service.posti.com/location?city=Sibbo>

Search by the municipality <https://location.service.posti.com/location?municipality=Sipoo>

Search by the zip code <https://location.service.posti.com/location?zipCode=01200>

Search by the strict zip code <https://location.service.posti.com/location?zipCode=00980&strictZipCode=true>

Search by the pupCode <https://location.service.posti.com/location?pupCode=009803200>

Search by the country code <https://location.service.posti.com/location?countryCode=LT>

Search by bounding box and type

<https://location.service.posti.com/location?d=a&types=POSTOFFICE&types=PICKUPPOINT&types=SMARTPOST&types=BUSINESSSERVICE&topLeftLat=60.226850265683396&topLeftLng=24.861389789074657&bottomRightLat=60.118482801480674&bottomRightLng=25.00262781092524>

Find the 5 closest automated parcel lockers by zipcode

<http://location.service.posti.com/location?locationZipCode=00230&top=5&types=SMARTPOST>

Find the 5 closest pickup points of anykind by zipcode in Latvia

<http://location.service.posti.com/location?locationZipCode=LV-1023&countryCode=LV&top=5>

5. API v2

API version 2 works in the same manner as the version 1. The only difference is the added parameter 'capabilities'. All parameters used in version 1 can also be used with version 2.

Endpoint: <https://location.service.posti.com/api/2/location>

Query parameter	Descriptions
capabilities	Filter results based on the capabilities of the location. Currently supported are EXPRESS and FASTTRACK capabilities of SMARTPOSTs

Response parameter	Description
capabilities	A list of capabilities

5.1. Sample queries for v2


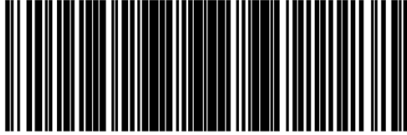
Search closest automated parcel lockers with EXPRESS capability by zipcode

<https://location.service.posti.com/api/2/location?locationZipCode=00230&types=SMARTPOST&capabilities=EXPRESS>

Search closest automated parcel lockers with FASTTRACK capability by zipcode

<https://location.service.posti.com/api/2/location?locationZipCode=00230&types=SMARTPOST&capabilities=FASTTRACK>

6. Mapping Location Service API to Posti EDI and Posti address label

LOCATION SERVICE API	EDI MESSAGE TO POSTI	POSTI ADDRESS LABEL
<pre> { - locations: [- { id: "10343202", type: "SMARTPOST", postalCode: "1034", postalCodeAreas: null, - address: { - en: { streetName: "Milgravja iela", streetNumber: "6", postalCode: "1034", postalCodeName: "Riga", municipality: "Riga" }, }, - publicName: { en: "Omniva" }, - labelName: { en: "c/o Parcelshop 3202, Omniva" }, countryCode: "LV", locationName: null, postalOfficeType: null, dropOfTimeParcel: null, dropOfTimeLetters: null, dropOfTimeExpress: null, additionalInfo: null, customerServicePhoneNumber: null, openingTimes: [], availability: null, wheelchairAccess: false, pupCode: "10343202", routingServiceCode: "3202", partnerType: "OMNIVA_LATVIA", - location: { lat: "57.025436", lon: "24.1395075" }, category: null, emptyTime: null, lastEmptyTime: null, }] } </pre>	<p>Recipient name 1: The recipient's name Recipient name 2: c/o Parcelshop 3202, Omniva (labelName) Recipient's street address: Milgravja iela 6 (streetName + streetNumber) Recipient's zip code: 1034 (postalCode) Recipient's city/town: Riga (postalCodeName) Recipient's country code: LV (countryCode)</p> <p>Product identifier: 2701 Additional services: 3202 (RoutingServiceCode)*</p> <p>*RSC is mandatory control data which is indicated in the EDI message as an additional service. RSC is not presented in the address label.</p> <p>The information highlighted in red is obtained through the pickup Point Register integration.</p>	 <p>postfi Parcel Connect</p> <p>From: Posti Oy, Paketti- ja logistiikkapalvelut Postintalvi 7 A 3 krs a FI-00230 HELSINKI Finland Account Number: Phone:</p> <p>To: Rex Recipient c/o Parcelshop 3202, Omniva Milgravja iela 6 LV-1034 RIGA Latvia Phone:</p> <p>NND</p> <p>Shipment No: Date: 08.03.2017 Senders Ref: Receivers ref: Weight (kg): 3,00 Delivery instr: 1 / 1</p> <p>We are working exclusively on basis of our current GTB in force and CMR Customer information:</p>  <p>(2L)LT02189+70000000</p> 