

# **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	Location type (POSTOFFICE, LETTERBOX, SMARTPOST, PICKUPPOINT, BUSINESSSERVICE, POBOX, LOCKER)
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

locationName	Name of the location in each language
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://locationservice.posti.com/location?city=Sibbo>

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

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

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

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

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

Search by bounding box and type

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

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

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

## 5. 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,       dropOffTimeParcel: null,       dropOffTimeLetters: null,       dropOffTimeExpress: 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><b>posti</b> Parcel Connect</p> <p>From: Posti Oy, Paketti- ja logistiikkapalvelut  Postintalvi 7 A 3.krs a  FI-00230 HELSINKI  Finland</p> <p>Account Number:  Phone:</p> <p>To:  Rex Recipient  c/o Parcelshop 3202, Omniva  Milgravja iela 6  LV-1034 RIGA  Latvia</p> <p>Phone:</p> <p><b>NND</b></p> <p>Shipment No:  Date: 08.03.2017  Senders Ref:  Receivers ref:  Weight (kg): 3,00  Delivery instr:</p> <p>1 / 1</p> <p>We are working exclusively on basis of our current GTB in force and CMR</p> <p>Customer information:</p>  