

# European Label Generation HTTP Service Documentation

Document version 0.02

## Overview

This document presents instructions on how to use HubEurope 's HTTP service for generating parcel labels for European countries (or the UK). **Please read the Important Notes section below.** .

## Document History

- 0.02 - added ParcelShop services
- 0.01 - first version

## Introduction

Users willing to generate a parcel label are able to make an HTTP request to HubEurope's server, indicating the data required for the label generation. HubEurope's server will return a JSON object containing the parcel routing data and a label in ZPL format, that can be printed with a Zebra thermal printer.

## HTTP request format

In this section we describe the format of the HTTP request URL.  
The base of the request url is: <http://www.hubecloud.com/route/>  
It shall be complemented with the key/value pairs for the variables described below.

## Important Notes

- The label request structure is essentially the same as to the one specified in the document "Label

Generation HTTP Service Documentation” except that the key/value pair Route=HWR must be added to the request.

- The response returned by the server, as well as the label layout are different to the ones specified in the above mentioned document.
- The new label layout is included in this document.
- Please read carefully the “Response JSON Object” section.
- This service can also provide labels for UK destinations. Please read the important note regarding UK labels in the “Response JSON Object” section.
- For European addresses, put the full postcode in the OutwardPostcode field
- For European addresses, put the city name in address line 4
- Please be sure to use the correct country code. The system recognises ISO 3-letter or ISO 2-letter formats.

## Variables

The following request variables can be used in the HTTP request. Those marked in bold are mandatory.

Variable	Description
<b>Route</b>	'HWR' (mandatory for international shipments)
<b>CountryCode</b>	ISO 2-letter or 3-letter country code.
<b>OutwardPostcode</b>	Outward postcode (full postcode for European addresses)
InwardPostcode	Inward post code (UK only)
<b>Name</b>	Customer's name
<b>Address1</b>	Customer's address, line 1
Address2	Customer's address, line 2
Address3	Customer's address, line 3
<b>Address4</b>	Customer's address, line 4 (City)
Address5	Customer's address, line 5
Address6	Customer's address, line 6
PSID	Hermes ParcelShop ID (Destination address must be consistent)
Workphone	Customer's work phone
Homephone	Customer's home phone
Mobilephone	Customer's mobile Phone
Email	Customer's email
Reference1	Parcel reference 1
<b>Reference2</b>	Parcel reference 2, must be unique
Origin	Parcel origin
Description	Parcel description
Message1	Message 1
Message2	Message 2
ClientID	Your HubEurope's Client ID
<b>ClientNumber</b>	Your HubEurope's Client Number
Weight	Parcel weight in grams
Width	Parcel width in centimetres
Length	Parcel length in centimetres
Depth	Parcel depth in centimetres

Volume	Parcel volume in cubic centimetres
Value	Parcel value in pence
DespatchDate	Expected despatch date (ddmmYYYY format) will default to TODAY's date if not present.
DeliveryMessage	Delivery Message
CommodityCode	Commodity Code
VATRate	Parcel's VAT Rate (defaults to 0.2 if not present)
Consigned	'Y' if consigned service
Signature*	'Y' if signature service required
Household*	'Y' if household signature service required
PIN*	4 digit security PIN if consigned PIN service required
AlertLevel	'0' for no alert '1' for alert on despatch '2' for alert on courier receipt '3' for alert on delay and final events '4' for alert on any new event Any combination of the above (e.g. '23')
Freight	Set to '0' for live plants. Defaults to '1'
SaleType	'F' for Freight 'L' for Live plants 'R' for Retail
UseZPL	Set to 0 if you do not want the ZPL label string to be included in the result.

\* Note that these options are mutually exclusive. In case more than one is present, only the one requiring the most secure service will be taken into account.

## HTTP request URL example

These are example HTTP request URLs:

- UK:  
<http://hubecloud.com/route/?OutwardPostcode=NR35&InwardPostcode=2PU&DespatchDate=28072010&Name=Mr.+John+Test&Address1=Test+Address+1&Address2=Test+Address+2&Address3=Test+Address3&Address4=Test+City&Email=email@email.com&Reference1=9876543210&Reference2=012345789&ClientID=Test+Client&Homephone=0123456789&ClientNumber=000&CommodityCode=0602+90+45+00&VATRate=0.20&Weight=700&Volume=6188&Value=1199&UseZPL=0&Route=HWR>
- France:  
<http://hubecloud.com/route/?OutwardPostcode=75005&DespatchDate=28072010&Name=Mr.+Jean+Test&Address1=Test+Address+1&Address2=Test+Address+2&Address4=Paris&Email=email@email.fr&Reference1=245678&Reference2=987609876&ClientID=Test+Client&Homephone=0123456789&ClientNumber=000&CommodityCode=0602+90+45+00&VATRate=0.20&Weight=700&Volume=6188&Value=1199&UseZPL=0&CountryCode=FR&Route=HWR>
- Germany:  
<http://hubecloud.com/route/?OutwardPostcode=60486&DespatchDate=28072010&Name=Herr+Johannes+Test&Address1=Test+Address+1&Address2=Test+Address+2&Address3=Test+Address+3&Address4=Frankfurt+am+Main&Email=email@email.de&Reference1=987654&Reference2=0123&ClientID=Test+Client&ClientNumber=000&UseZPL=0&CountryCode=DE&Route=HWR>

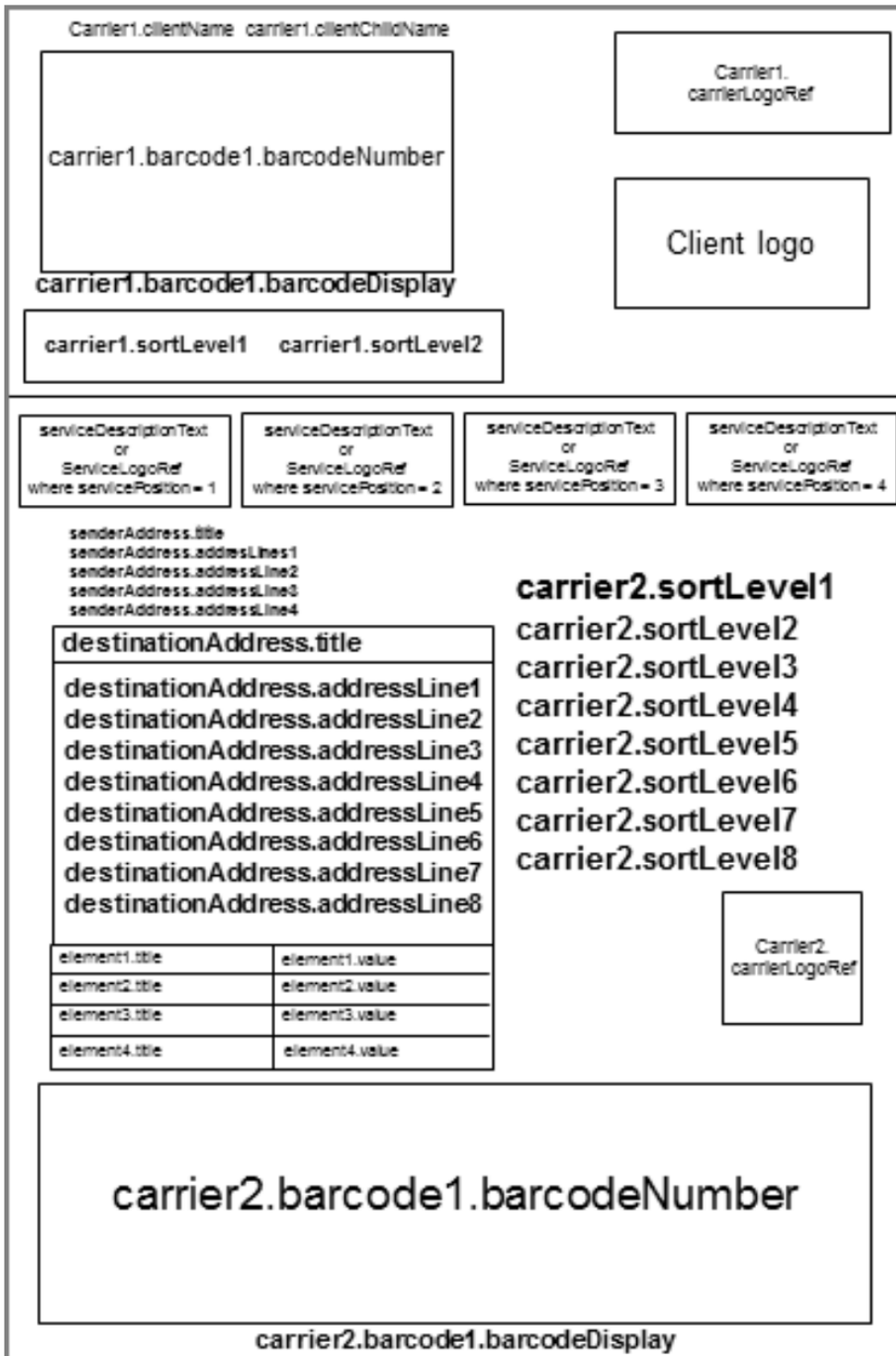
## Response JSON Object

If the HTTP request was properly formed, the server shall return a JSON object.

Below is a list of important things to note :

1. The response of the HTTP request is a JSON object.
2. If you do not want to receive the ZPL in the result, add "&UseZPL=0" to the end of the url string.
3. All the information you need to fill the label template is in the JSON object.
4. Please see the label template below. As you will see, it is straightforward to find the required fields in the JSON object.
5. If a field in the label template is not present in the response, leave that field blank.
6. Labels may contain information for one or two carriers. In the response object, this will be reflected in the "outboundCarriers" field.
7. If the "outboundCarriers" field contains only the "carrier1" field, the label has only one carrier. This is the case for UK labels.
8. If the "outboundCarriers" field contains both the "carrier1" and "carrier2" fields, the label has two carriers. This is the case for European labels.
9. **Important note for UK labels:** If only "carrier1" is present, then the information from "carrier1" should be used to populate the "carrier2" fields in the label template and the "carrier1" fields must be left blank. Please see the UK label example below.
10. Barcode formats can be interleaved 2 of 5, Code 39 or Code 128. This is indicated in the field "barcodeSymbology" associated to each barcode, with an "I", "C39" or "C128" respectively.
11. Please contact HubEurope for carrier logo images.




# Label Template



## Label Examples

Please note that these examples are not related to the test requests above.

- UK (note that “carrier1” information has been used to populate the “carrier2” fields in the template.

Client name									
		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Client logo</div>							
		<b>NDAY</b>	<b>POD</b>						
Sender: clientLuk Central Place Birmingham BB27 1DD Midlands		<b>81</b>							
<table border="1" style="width: 100%;"> <tr> <td style="padding: 2px;">Delivery to:</td> </tr> <tr> <td style="padding: 2px;">Peter Smith City Hotel 5 High Street West Yorkshire Morley</td> </tr> <tr> <td style="padding: 2px;">L S270VWH</td> </tr> </table>		Delivery to:	Peter Smith City Hotel 5 High Street West Yorkshire Morley	L S270VWH	<b>BRAD</b> <b>COU-PNET</b> <b>VAN           73</b> <b>DROP         38</b> <b>C-ROUND 4713</b>				
Delivery to:									
Peter Smith City Hotel 5 High Street West Yorkshire Morley									
L S270VWH									
<table border="1" style="width: 100%;"> <tr> <td style="padding: 2px;">Date</td> <td style="padding: 2px;">2014-02-25</td> </tr> <tr> <td style="padding: 2px;">Weight in kg</td> <td style="padding: 2px;">2.5</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table>		Date	2014-02-25	Weight in kg	2.5				
Date	2014-02-25								
Weight in kg	2.5								
									
81-500-01-14900213-2									

• Germany

Client.co.uk  33-500-01-14900213-2	  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">                     Client.co.uk                 </div>								
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>33 GERMANY</b> </div>									
<b>E I P</b>									
ABSENDER: HERMES & UK AT/ Client.co.uk Paketfach Friedewald 1 4006 Linz	<b>39</b> <b>IDAR-OBERSSTEIN</b> <b>34 – 56</b> <b>D</b>								
<div style="border: 1px solid black; padding: 5px;"> <b>EMPFÄNGER:</b>                      Herr                      Peter Schmidt                      Bäcker GmbH                      Abteilung Buchhaltung                      Hauptstraße 14                      55430 Oberwesel                 </div>									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Datum</td> <td>2014-02-25</td> </tr> <tr> <td>Gewicht in kg</td> <td>2,5</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Datum	2014-02-25	Gewicht in kg	2,5					
Datum	2014-02-25								
Gewicht in kg	2,5								
 29157117245680									

- France

Client.co.uk			
		Client.co.uk	
33-500-01-14900213-2			
<b>33</b>		<b>FRANCE</b>	
<b>A Encaisser: 0 EUR</b>		<b>HOM</b>	
HERMES UK ZAC des 4 Vents 8, Avenue Antoine Pinay FR-88610 Hem		<b>FR / R02</b> <b>A 0717</b> <b>N 070502</b> <b>T 04103</b> <b>METZ</b>	
<b>Destinataire</b> Jean Dupont VIVAL ALIMENTATION GENERALE 1 RUE DU CHATEAU 88280 DARNEY			
N° de suivi	282874224701018		
Poids en kg	001,020		
N° Collis	1/1		
Date d'envoi	2014-02-25		
			
29267422470101607173041030			

## IP Address Blocking

In order to use the HTTP service, you need to communicate to HubEurope the IP address where the request will be made from. The service is by default blocked to all IPs except those whitelisted by HubEurope.