

## 1. General Information

### 1.1 Introduction

This manual contains additional IT information relevant to processing parcels shipped with the mentioned service with Hermes Germany GmbH (HG). It builds on the 'IT-Factsheet\_Parcel\_BC14' or 'IT-Factsheet\_Parcel\_BC20' and should only be used in conjunction with this.

### 1.2 Service Descriptions and Benefits

HG ParcelShops operate as drop-off and pick-up points on a shop-in-shop basis.

All ParcelShops offer the same range of services:

- ParcelShop as an alternative delivery address (not for all services)
- Returns dropped off in ParcelShops as an alternative to the postal service

These are the advantages of checkout integration for PreferredParcelShop

- Greater delivery security
- Lower CO2 emissions
- Customer satisfaction in the ParcelShop
- Integrated ParcelShop finder
- One of Germany's largest networks of ParcelShops

### 1.3 Disclaimer

We highly recommend activating e-mail notifications as described in IT-Factsheet\_Customer\_Notification, so HG can take care of assisting the operative delivery process by sending important shipping information to the receiver.

If you want to create your own customer notification stream, you need to be able to consume and interpret shipment status information as described in IT-Factsheet\_Track&Trace. We recommend giving the following information. Sending a message to inform about:

- the estimated time of arrival
- the actual time of arrival, the name of the ParcelShop and the time left for collecting the shipment
- the time left for collecting the shipment (first reminder after three days)
- the time left for collecting the shipment (second reminder after six days)
- the event of a failed collection

For further information, please get in touch with your sales contact or send us a [message](#).

## 2. ParcelShop Determination

### 2.1 Providing ParcelShop Data as JSON via sFTP

HG provides ParcelShop data as a download via sFTP daily. The files contain all relevant data for all active shops (address, opening times, contact details). They are provided in a JSON structure. This service is only available for ParcelShops in Germany. Please use the API solution for international ParcelShops.

The file *parcelshops\_de.dat* contains the following information about the ParcelShops:

Name	Description
parcelShops	List of all ParcelShops
name	Name of the ParcelShop
parcelShopNumber	6-digit ParcelShop ID Needed for sending parcels to this shop
address	Note for the ParcelShop Address
address/street	Street
address/houseNumber	House Number
address/country	Country (always „de“)
address/zip	Zip Code
address/city	City
address/phone	Phone Number

address/fax	Fax Number	<b>Note:</b> This contact data may only be used after explicit approval by Hermes and in particular to the recipient.
address/mobile	Mobile Number	
address/email	Email	
address/url	Website	
address/latitude	Geo Coordinates	
address/longitude		
hours	List of Opening Hours	
hours/weekday	Weekday 1 (Monday) bis 7 (Sunday) <b>Note:</b> A day of the week may appear several times in the list, e.g. if the ParcelShop has closed at noon.	
hours/openFrom	Begin Format: HH:mm	
hours/openUntil	End Format: HH:mm <b>Note:</b> The end of the opening time may be in individual cases after midnight and thus be numerically "smaller" than the beginning of the opening time.	
services	List of Available Special Services Currently Available: case settlement cardboard sale	
holidays	List of already known Holidays During these periods, the ParcelShop is not available and may not be selected as a shipping destination.	
holidays/from	Begin Format: YYYY-MM-DD	
holidays/until	End Format: YYYY-MM-DD	
validFrom	Beginning of the availability of the ParcelShop Format: YYYY-MM-DD	
validTo	End of the availability of the ParcelShop Format: YYYY-MM-DD → if an end date is known. Otherwise "null"	

## 2.2 Retrieving the Relevant ParcelShop Details using an API Call

HG provides the client with a REST-API which returns a JSON object.

The complete documentation for this API can be found via this URL:

<https://de-api.hermesworld.com/docs/applications/psf>

Access data (apiKey) is required to use this API. If required, please ask your IT contact.

The most frequently used function of the API is the search for parcel shops around a search address. For this purpose, it offers two functions. While the `findParcelShopByAddress` function requires the search address in individual search fields (street, house number, ...), the function `findParcelShopByAddressString` can be used to search for a combined string.

Besides of the address, the following parameters are available:

Name	Description
country	Search country Format: ISO-Alpha-2 Standard: de (Germany)
acceptSuitCases	Search for ParcelShops handling service "Deutsche Bahn Reisegepäck" true = only ParcelShops with service "Deutsche Bahn Reisegepäck" false = search option is ignored
hasBoxes	Search for ParcelShops selling Hermes packaging material true = only ParcelShops providing this service false = search option is ignored

openAtDayOfWeek	Search for ParcelShop opened at a specific weekday Possible values: MON, TUE, WED, THU, FRI, SAT, SUN
openAtTime	Search for ParcelShops opened at a specific time Format: hh:mm
maxDist	Setting the maximum distance in kilometers (max 300) between ParcelShop and search address Default: 30
maxResult	Maximum number of results (max 100) Default: 10

### 3. Hermes ParcelShopFinder via Popup or Widget

Technically, the Hermes ParcelShopFinder is the simplest method of allowing the customer to choose a suitable ParcelShop. The Hermes ParcelShopFinder is based on Google Maps and can be integrated by the client in an existing website using a Popup or Widget.

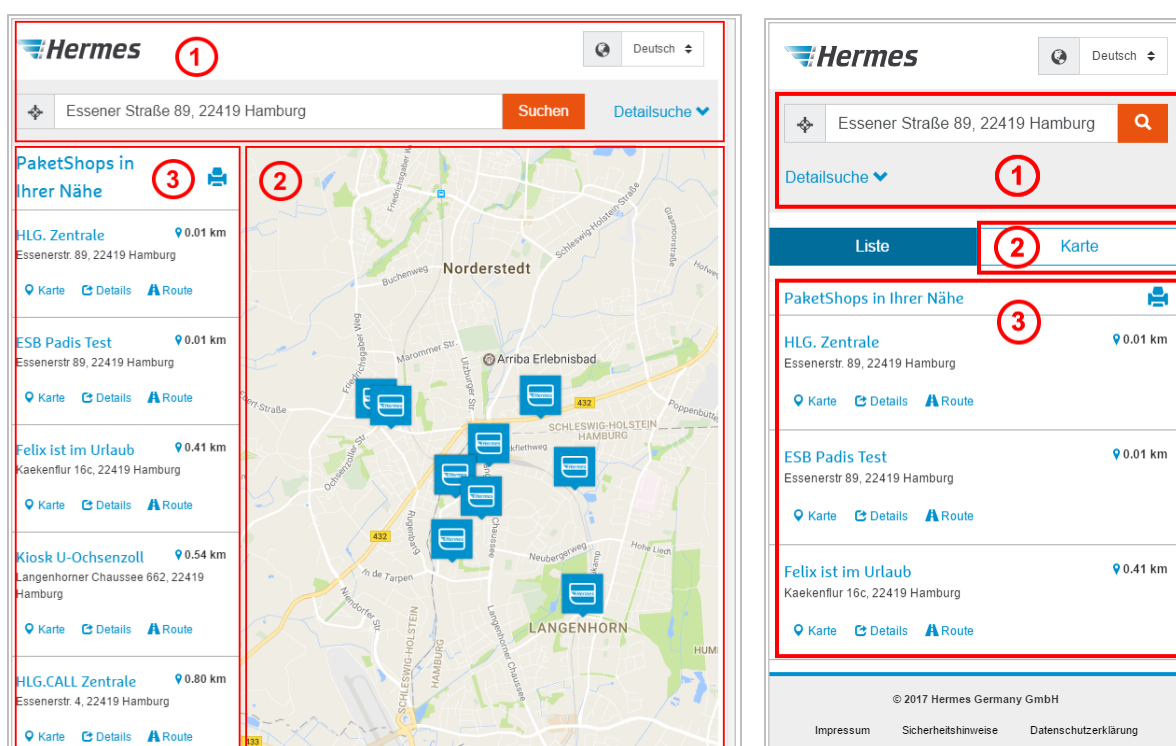
The ParcelShopFinder is available in two different versions:

**Simple Version:** The simple version is only used to search for and display ParcelShops.

**Extended Version:** On top of this, the extended version enables the customer sending data of a selected ParcelShop to the client (Callback call).

#### 3.1 Inclusion in the Website

The Hermes ParcelShopFinder is available in German, English, French, Spanish and Italian. The language will be selected automatically based on the browser language. It allows to search ParcelShops in all European countries supported by Hermes. On top of this, it can be launched in encrypted (SSL) or non-encrypted (non-SSL) form.



The user interface for the ParcelShopFinder consists of three sections:

**Search Field (1):** Input Field for the address and additional search parameters

**Map (2):** Map view of the result list

**Result List (3):** List of available Hermes ParcelShops. Ordered by (linear) distance

The extended version also provides the customer an option to select a ParcelShop as a shipment destination. Information of the selected shop is transferred to the client by a callback request. Thus, the client can process shipping data directly without the customer having to enter anything manually.

### 3.1.1 Launching the ParcelShopFinder directly

The ParcelShopFinder can be launched using the following URL: <https://paketshop.myhermes.de/int/hpsf.html>

The following parameters are supported:

Name	Description	Mandatory
r	apiKey for authentication	Yes
lang	Language Values: de, en, fr, it, es	No
countries	Search countries Values: DE, FR, ES, BE, LU, AT, UK, DK, SE, FI, NL	No
shopid	Show shop details directly	No
city	Search address This field can be used for street, zip code and/or city	No
package	<i>true</i> or <i>on</i> = "Sells Hermes packages option is activated"	No
db	<i>true</i> or <i>on</i> = "Deutsche Bahn luggage/luggage drop-off" option is activated	No
open	<i>true</i> or <i>on</i> = "Open on" option is activated	No
weekday	Weekday of „Geöffnet am“ option Values: 1 – 7 (monday = 1; ...; sunday = 7) or mon - sun	No
time	Time for the "Opened on" option Format: hh:mm (URL-encoded; e.g. 07:30 = 07 %3A30)	No
cb_address	<b>Extended Version:</b> The client's callback URL used to transfer information on the selected ParcelShop	No
cb_method	<b>Extended Version:</b> Callback method <i>Not provided</i> or <i>empty</i> = The callback URL will be opened within the ParcelShopFinder window as a hidden iframe <i>link</i> = the callback URL will be opened visible in the window	No
cb_par1	<b>Extended Version:</b> Additional parameter Will be forwarded to the callback URL with the same name (e.g. for client reference)	No
cb_par2	<b>Extended Version:</b> Additional parameter Will be forwarded to the callback URL with the same name (e.g. for client reference)	No
noframe	Enables/disables the Hermes header and footer line <i>true</i> = header/footer disabled <i>false</i> (default) = header/footer enabled	No

Please, refer to your contact person in the Hermes IT Client Integration department for the apiKey.

Examples:

- Searching for zip code in Germany:  
`https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&countries=DE&zip=22419`
- Searching for town/city in Germany:  
`https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&countries=DE&city=Hamburg`
- Search for location and "Sells Hermes pack boxes" option active:  
`https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&countries=DE&city=Hamburg&package=on`
- Display a known shop (using an ID):  
`https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&shopid=612881`
- "Open on" option active (Sunday, 7.30 am):

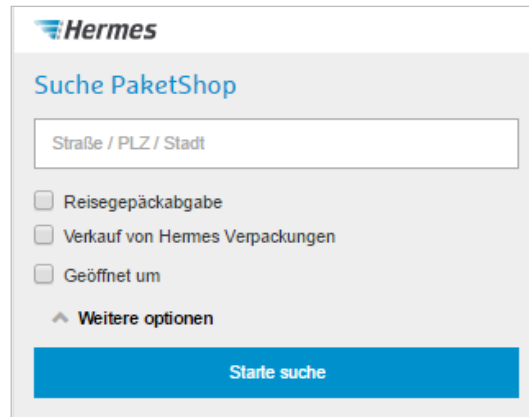
[https://paketshop.myhermes.de/int/hpsf.html?r=\[apiKey\]&open=true&weekday=sun&time=07%3A30](https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&open=true&weekday=sun&time=07%3A30)

- Submitting a Callback URL:

[https://paketshop.myhermes.de/int/hpsf.html?r=\[apiKey\]&cb\\_address="https://www.your-shop.de/callbackhandler.html"](https://paketshop.myhermes.de/int/hpsf.html?r=[apiKey]&cb_address=)

### 3.1.2 Integration of the Widget Search Mask

As well as being able to launch the ParcelShopFinder via a link, Hermes offers clients the option of integrating a graphic search mask within the website via a widget. Here, the customer can enter and transfer the address and additional search options. The ParcelShopFinder then starts with the requested options.



The widget can be integrated using the following code:

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]"/>
```

The following parameters are supported:

Name	Description	Mandatory
r	apiKey for authentication	Yes
options	<i>true</i> or <i>on</i> = the widget is displayed unfolded <b>Note:</b> the widget is also displayed unfolded, if one of the following search parameters has been set	No
package	<i>true</i> or <i>on</i> = "Sells Hermes pack boxes" option is activated	No
db	<i>true</i> or <i>on</i> = "Deutsche Bahn luggage/luggage drop-off" option is activated	No
open	<i>true</i> or <i>on</i> = "Open on" option is activated	No
weekday	Weekday of „Geöffnet am“ option Values: 1 – 7 (monday = 1; ...; sunday = 7) or mon - sun	No
time	Time for the "Opened on" option Format: hh:mm (URL-encoded; e.g. 07:30 = 07 %3A30)	No
cb_address	<b>Extended Version:</b> The client's callback URL used to transfer information on the selected ParcelShop	No
cb_method	<b>Extended Version:</b> Callback method <i>Not provided</i> or <i>empty</i> = The callback URL will be opened within the ParcelShopFinder window as a hidden iframe <i>link</i> = The callback URL will be opened visible in the window	No
cb_par1	<b>Extended Version:</b> additional parameter Will be forwarded to the callback URL with the same name (e.g. for client reference)	No
cb_par2	<b>Extended Version:</b> additional parameter Will be forwarded to the callback URL with the same name (e.g. for client reference)	No

Please, refer to your contact person in the Hermes IT Client Integration department for the ApiKey.

Examples:

- Unfolded

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]&options=true"/>
```

- The "Sells Hermes pack boxes" and "Deutsche Bahn luggage/luggage drop-off" options are activated

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]&db=true&package=true"/>
```

- "Open on" option active (Wednesday, 2.00 pm)

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]&open=true&week-day=wed&time=14%3A00"/>
```

- All search options activated

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]&db=true&package=true&open=true&weekday=wed&time=14%3A00"/>
```

- Submitting a callback URL

```
<iframe src="https://paketshop.myhermes.de/int/form.html?r=[apiKey]&cb_address=https://www.your-shop.de/callbackhandler.html"/>
```

## 4. Returning data on the selected ParcelShop (callback)

If the *cb\_address* parameter has been set, the relevant data for the ParcelShop selected by the customer is transferred to this callback URL. This data is needed by the client to generate pre-advice data.

The following parameters on the selected ParcelShop are transferred:

Name	Description
ParcelShopID	Unique ID of the ParcelShop
name	Name of the ParcelShop
street	The street part of the address for the ParcelShop
zip	The postcode for the ParcelShop
city	The town/city the ParcelShop is in
cb_par1	(optional) user-defined parameter from the callback request
cb_par2	(optional) user-defined parameter from the callback request

### 4.1 Integration via responsive iframe

In addition to the direct integration methods mentioned above, it is also possible to integrate the Hermes ParcelShop-Finder directly into an existing website using a JavaScript. The script automatically generates an iframe at the location of the integrated DIV element, which scales to the full width of the resolution. The iframe thus behaves responsively automatically.

```
<script src='https://paketshop.myhermes.de/int/embed.js'></script>
<div data-hpsf='finder'></div> <!-- Frontend-Integration-->
oder
<div data-hpsf='form'></div> <!-- Widget-Integration-->
```

Example:

```
<html>
<body>
<style type="text/css">
    .HeaderOrFooter {
        border: 1px solid #000000;
    }
</style>

<div class="HeaderOrFooter">
    Contents for parcel shop finder integration
    <hr>
</div>
```

```

<script src='https://paketshop.myhermes.de/int/embed.js'></script>

<!--Integration of parcel shop finder -->
<!--Inserting all necessary parameters
<div data-hpsf='finder' data-consumer-name='EXTxxx' data-consumer-password='xxx'></div>
-->
<div data-hpsf='finder' data-r=[apiKey] data-noframe='true' data-zip='22419'></div>

<!-- Weitere Beispiele: --
<div data-hpsf='finder' data-r=[apiKey] data-city='Hamburg'> </div>
<div data-hpsf='finder' data-r=[apiKey] data-zip='22419'></div>
<div data-hpsf='finder' data-r=[apiKey] data-cb_address='abc.htm' data-sort-codel='31'></div>
<div data-hpsf='finder' data-r=[apiKey] data-lang='en'></div>
<div data-hpsf='finder' data-r=[apiKey] data-countries='uk'></div>
<div data-hpsf='finder' data-r=[apiKey] data-shopid='634589'> </div>
<div data-hpsf='finder' data-r=[apiKey] data-noframe='true'> </div>
<div data-hpsf='finder' data-r=[apiKey] data-details-in-tab='1'> </div>
<div data-hpsf='finder' data-r=[apiKey] data-db='true'></div>
<div data-hpsf='finder' data-r=[apiKey] data-package='true'> </div>
<div data-hpsf='finder' data-r=[apiKey] data-open='true'></div>
<div data-hpsf='finder' data-r=[apiKey] data-open='on' data-weekday='2' data-time='17:00'></div>
-->

<!-- Integration of widget -->
<!--<div data-hpsf='form'></div>-->

<div class="HeaderOrFooter">
  <hr>
  Content below parcel shop finder integration
</div>

</body>
</html>

```

## 5. Coding Outgoing Shipments

If the customer chooses a ParcelShop as the delivery address, specific data needs to be generated and transferred to HG as otherwise ParcelShop shipments will not be recognized in depot processing and the parcels cannot be properly delivered to the ParcelShop and/or the customer.

### 5.1 Label

A 'P' is to be printed on the shipping label.



The address of the ParcelShop is indicated in the address section of the label. The name of the actual recipient is also printed.

## 5.2 Coding in the Avis XML for 20-digit HermesID/Barcode

The <recipient> segment must be filled with the ParcelShop address.  
Within the <services> segment the following values must be used:

Element	Man-datory	Type	Length	Description
parcelShopID	Y	Num	6	6-digit unique ParcelShop ID
parcelShopRecipient	Y	String	80	Name of the receiver <i>Needed for customer identification in the shop</i>

Example:

```

...
<services>
  <preferredDelivery>
    <preferredParcelShop>
      <parcelShopID>123456</parcelShopID>
      <parcelShopRecipient>Max Mustermann</parcelShopRecipient>
    </preferredParcelShop>
  </preferredDelivery>
</services>
...

```

## 5.3 Coding in the avis file for 14-digit HermesID/Barcode

The following pre-advice fields must be completed:

Content	Type	Length	Offset	Description/ Example
<b>First Name</b>	alpha	20	77	Remains empty
<b>Last Name</b>	alpha	30	97	Name of the PreferredParcelShop
<b>Street, House Number</b>	alpha	32	127	Address of the PreferredParcelShop
<b>ZIP Code</b>	num	6	162	
<b>City</b>	alpha	25	168	
<b>Address Addition</b>	alpha	20	193	Name of the Receiver
<b>Type of Remark</b>	num	3	311	001
<b>Remark</b>	alpha	46	314	PNNNNNN (with NNNNNN = ParcelShopID)
<b>Type of Tour</b>	num	3	396	005