



DHL Locationfinder: Search Parcelstations and Post Offices

The module *DHL_LocationFinder* allows using DHL Packstations, Post Offices, and Parcelstations / retail outlets as destination address in the Magento® checkout. The module integrates the Location search API Europe (Standortsuche API Europa), which is provided by DHL.

This is also called DHL Parcelshop Finder, Postfinder, Locationsearch Europe (Standortsuche Europa).

End user documentation

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1 Requirements

The following requirements must be met for the smooth operation of the module:

1.1 Magento®

The following Magento® versions are supported:

- Community Edition 1.9
- Community Edition 1.8
- Community Edition 1.7

1.2 PHP

These PHP versions are supported:

- PHP 7.0
- PHP 5.6
- PHP 5.5

To connect to the API, the PHP SOAP extension must be installed and enabled on the web server.

1.3 Google API Key

The module uses Google Maps. To use it, a Google Maps API Key is required. Usually, a free key will suffice, see also <https://developers.google.com/maps/pricing-and-plans/#details>



2 Installation and configuration

This explains how to install and configure the module.

2.1 Installation

Install the module's files according to your preferred setup / deployment strategy. Refresh the configuration cache to apply the changes.

When the module is first executed, these new address attributes are created in your system:

- dhl_post_number
- dhl_station_type
- dhl_station

The attributes are added in the following tables:

- sales_flat_quote_address
- sales_flat_order_address
- eav_attribute

2.2 Module configuration

After the installation, go to the configuration area:

System → Configuration → Sales → Checkout

You will find a new config group "DHL Locationfinder" there which contains all the relevant configuration.

Configuration settings

| Configuration | required / optional | Comment |
|--------------------------------------|---------------------|--|
| Google Maps API Key | required | To show DHL locations in the checkout, the Google Maps API is used which requires an API key. |
| Limit results | optional | This sets the number of results that are shown on the map. The Location search API Europe provides a maximum of 50 locations. |
| Zoom (auto or fixed) | required | This specifies if the map is zoomed automatically according to the results, or if a fixed zoom factor is used. |
| Zoom factor (if fixed zoom selected) | optional | If a fixed zoom factor should be used, the value can be defined here. Values between 9-15 are possible. 15 is the largest zoom factor. |

2.3 Integration of address templates

The module introduces new address attributes. In order to see the new attributes in your system, you might have to add the new attributes to your address templates.

System → Configuration → Customers → Customer configuration → Address Templates

The following image shows the default templates provided by the module:

| Address Templates | | |
|-------------------|---|--------------|
| Text | <pre> {{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}} {{/depend}}{{var lastname}} {{depend suffix}} {{var suffix}}{{/depend}} {{depend company}}{{var company}}{{/depend}} {{depend dhl_post_number}}Postnummer: {{var dhl_post_number}}{{/depend}} {{depend dhl_station}}{{var dhl_station}} {{/depend}} {{if street1}}{{var street1}}{{/if}} {{depend street2}}{{var street2}}{{/depend}} {{depend street3}}{{var street3}}{{/depend}} {{depend street4}}{{var street4}}{{/depend}} </pre> | [STORE VIEW] |
| Text One Line | <pre> {{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}} {{/depend}}{{var lastname}}{{depend suffix}} {{var suffix}}{{/depend}}{{depend dhl_post_number}}, Postnummer: {{var dhl_post_number}}{{/depend}}{{depend dhl_station}}, {{var dhl_station}}{{/depend}}, {{var street}}, {{var city}}, {{var region}} {{var postcode}}, {{var country}} </pre> | [STORE VIEW] |
| HTML | <pre> {{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}} {{/depend}}{{var lastname}} {{depend suffix}} {{var suffix}}{{/depend}} {{depend company}}{{var company}} {{/depend}} {{depend dhl_post_number}}Postnummer: {{var dhl_post_number}} {{/depend}} {{depend dhl_station}}{{var dhl_station}} {{/depend}} </pre> | [STORE VIEW] |

In case you have already made changes to this configuration, the address attributes need to be added manually to your system configuration, e.g. like this:

```

{{depend dhl_post_number}}{{var dhl_post_number}}{{/depend}}
{{depend dhl_station_type}}{{var dhl_station_type}} {{/depend}}{{depend dhl_station}}
{{var dhl_station}}{{/depend}}

```



Text:

```
{{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}}
{{/depend}}{{var lastname}}{{depend suffix}} {{var suffix}}{{/depend}}
{{depend company}}{{var company}}{{/depend}}
{{depend dhl_post_number}}{{var dhl_post_number}}{{/depend}}
{{depend dhl_station_type}}{{var dhl_station_type}} {{/depend}}{{depend dhl_station}}
{{var dhl_station}}{{/depend}}
{{if street1}}{{var street1}}{{/if}}
{{depend street2}}{{var street2}}{{/depend}}
{{depend street3}}{{var street3}}{{/depend}}
{{depend street4}}{{var street4}}{{/depend}}
{{if city}}{{var city}}, {{/if}}{{if region}}{{var region}}, {{/if}}{{if postcode}}
{{var postcode}}{{/if}} {{var country}}
T: {{var telephone}}
{{depend fax}}F: {{var fax}}{{/depend}}
```

Text One Line:

```
{{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}}
{{/depend}}{{var lastname}}{{depend suffix}} {{var suffix}}{{/depend}}{{depend dhl_post_number}},
{{var dhl_post_number}}{{/depend}}{{depend dhl_station}}, {{var dhl_station}}{{/depend}},
{{var street}},
{{var city}}, {{var region}} {{var postcode}}, {{var country}}
```

HTML:

```
{{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}}
{{/depend}}{{var lastname}}{{depend suffix}} {{var suffix}}{{/depend}}<br/>
{{depend company}}{{var company}}<br />{{/depend}}
{{depend dhl_post_number}} {{var dhl_post_number}}<br />{{/depend}}
{{depend dhl_station_type}}{{var dhl_station_type}} {{/depend}}{{depend dhl_station}}
{{var dhl_station}}<br />{{/depend}} {{if street1}}{{var street1}}<br />{{/if}}
{{depend street2}}{{var street2}}<br />{{/depend}}
{{depend street3}}{{var street3}}<br />{{/depend}}
{{depend street4}}{{var street4}}<br />{{/depend}}
{{if city}}{{var city}}, {{/if}}{{if region}}{{var region}}, {{/if}}
{{if postcode}}{{var postcode}}{{/if}}<br/>
{{var country}}<br/>
{{depend telephone}}T: {{var telephone}}{{/depend}}
{{depend fax}}<br/>F: {{var fax}}{{/depend}}
```

PDF:

```
{{depend prefix}}{{var prefix}} {{/depend}}{{var firstname}} {{depend middlename}}{{var middlename}}
{{/depend}}{{var lastname}}{{depend suffix}} {{var suffix}}{{/depend}}|
{{depend company}}{{var company}}|{{/depend}}
{{depend dhl_post_number}} {{var dhl_post_number}}|{{/depend}}
{{depend dhl_station_type}}{{var dhl_station_type}} {{/depend}}
{{depend dhl_station}}{{var dhl_station}}|{{/depend}}
{{if street1}}{{var street1}}{{/if}}
{{depend street2}}{{var street2}}|{{/depend}}
{{depend street3}}{{var street3}}|{{/depend}}
{{depend street4}}{{var street4}}|{{/depend}}
{{if city}}{{var city}}, {{/if}}{{if region}}{{var region}}, {{/if}}
{{if postcode}}{{var postcode}}{{/if}}|{{/if}}|
{{var country}}|
{{depend telephone}}T: {{var telephone}}{{/depend}}|
{{depend fax}}<br/>F: {{var fax}}{{/depend}}
```

JavaScript Template:

```
#{prefix} #{firstname} #{middlename} #{lastname} #{suffix}<br/>#{company}<br/>#{dhl_post_number},
#{dhl_station}<br/>#{street0}<br/>#{street1}<br/>#{street2}<br/>#{street3}<br/>#{city}, #{region},
#{postcode}<br/>#{country_id}<br/>T: #{telephone}<br/>F: #{fax}
```



3 Hints for using the module

3.1 Allowed Countries

The following countries are currently supported by the Location search API Europe:

- Belgium
- Germany
- Netherlands
- Austria
- Poland
- Slovakia
- Czech Republic

Therefore, for the location search in the checkout, only these countries are available (or fewer, depending on the shop configuration).

3.2 Language support

The module supports the locales `en_US` and `de_DE`. The translations are stored in the CSV translation files and can therefore be modified by third-party modules.

3.3 Use of jQuery

The module uses the Google Maps Plugin *Store Locator* which is based on the JavaScript library jQuery. This library will be included by the template file `dhl_locationfinder/page/html/head.phtml`.

However, jQuery will *not* be included if you are using the *RWD* theme. If you are using a custom theme that already includes jQuery, please include the file

`rwd/default/template/dhl_locationfinder/page/html/head.phtml` into your own theme.

3.4 Magento® API

The address attributes created by the module are available to third-party systems via the Magento® API.

3.4.1 SOAP V2

```
$result = $proxy->salesOrderInfo($sessionId, $incrementId);  
var_dump($result->shipping_address);
```

3.4.2 SOAP V2 (WS-I Compliance Mode)

```
$result = $proxy->salesOrderInfo((object)array(  
    'sessionId' => $sessionId->result,  
    'orderIncrementId' => $incrementId,  
));  
var_dump($result->result->shipping_address);
```



3.4.3 REST

```
curl --get \  
-H 'Accept: application/xml' \  
-H 'Authorization: [OAuth Header] \  
"https://magentohost/api/rest/orders/:orderid/addresses"
```

Please note that the new attributes must explicitly be enabled for REST-API calls. To do this, go to:

System → Web Services → REST → Attributes

User Type Resources

Resource Access: Custom

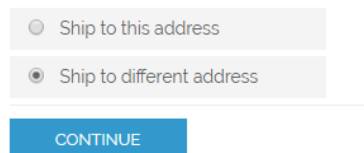
Resources:

- ☐ Catalog
- ☐ CatalogInventory
- ☒ Sales
 - ☒ Orders
 - ☒ Order
 - ☒ Order Items
 - ☒ Order Addresses
 - ☒ Read
 - ☒ Address Type
 - ☒ City
 - ☒ Company
 - ☒ Country
 - ☒ Customer First Name
 - ☒ Customer Last Name
 - ☒ Customer Middle Name
 - ☒ Customer Prefix
 - ☒ Customer Suffix
 - ☐ DHL Post Number
 - ☐ DHL Station
 - ☐ DHL Station Type
 - ☒ Email
 - ☒ Phone Number
 - ☒ State

4 Frontend functionality

4.1 Magento® Checkout

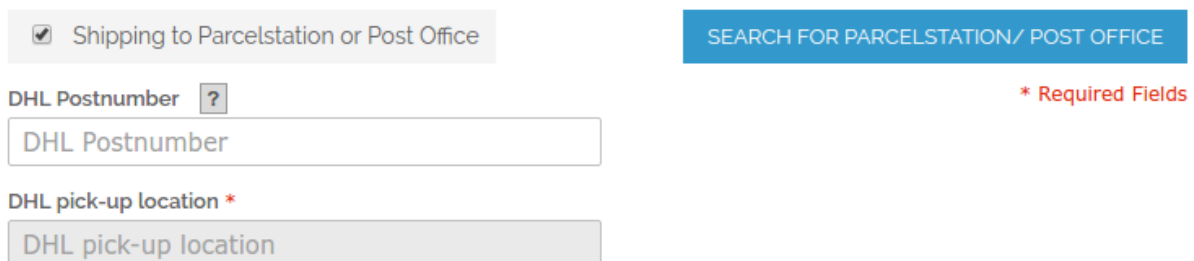
- Go to the checkout as usual, according to the Magento® standard
- In the checkout step *Billing address*, enter your billing address
- Select *Ship to different address* and click *Continue*



The screenshot shows two radio button options for shipping. The first option is 'Ship to this address' with an unselected radio button. The second option is 'Ship to different address' with a selected radio button. Below these options is a blue button labeled 'CONTINUE'.

4.2 Magento® Checkout: Shipping address

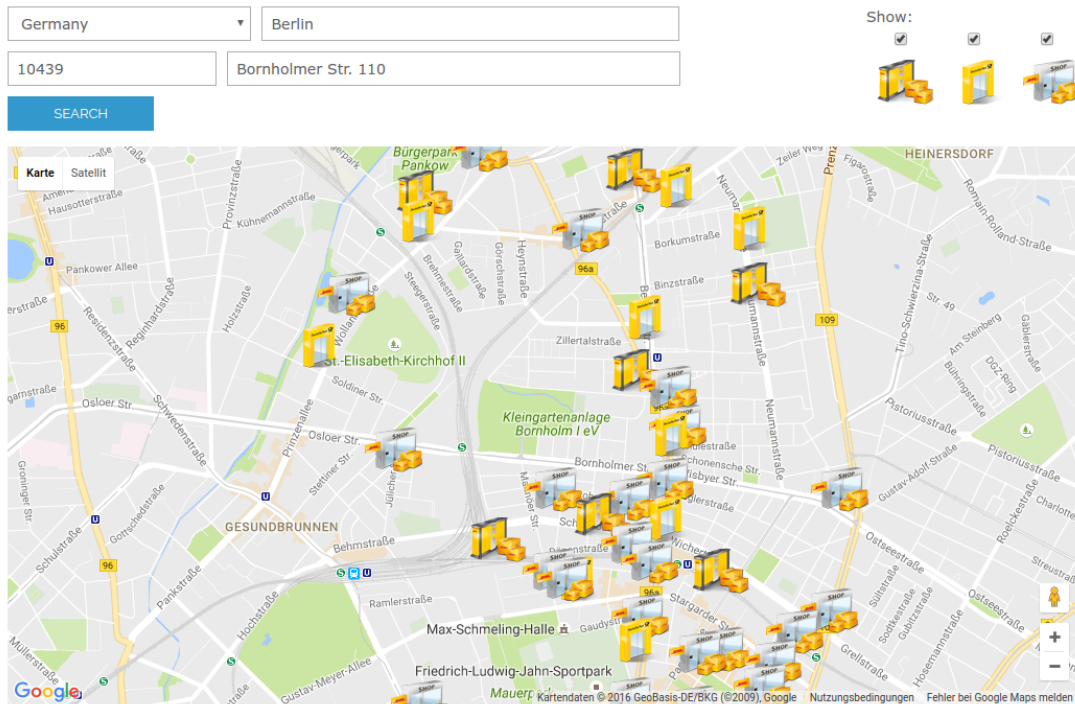
- If you are already logged in and you see the dropdown with your stored addresses, please select *New address*
- Activate the checkbox *Shipping to Parcelstation or Post Office*
- When the checkbox is activated, the additional fields *DHL Postnumber* and *DHL pick-up location* and the button *Search for Parcelstation/ Post Office* become visible
- Open the DHL Location Map by clicking *Search for Parcelstation/ Post Office*



The screenshot shows the shipping address form. At the top left is a checkbox labeled 'Shipping to Parcelstation or Post Office' which is checked. To its right is a blue button labeled 'SEARCH FOR PARCELSTATION/ POST OFFICE'. Below the checkbox is a field for 'DHL Postnumber' with a question mark icon. Below that is a field for 'DHL pick-up location' with a red asterisk indicating it is a required field. A red text label '* Required Fields' is positioned to the right of the 'DHL Postnumber' field.

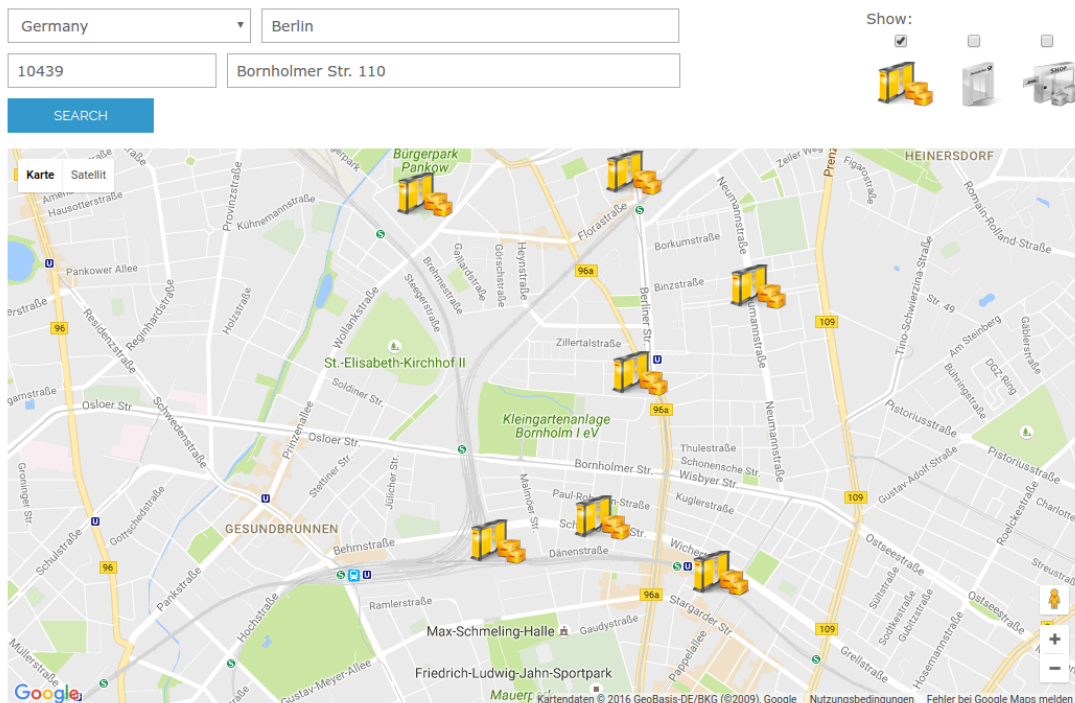
4.3 DHL Location Map: Initial result and new location search

- The initial result you see is based on the previously entered billing address
- The number of shown locations and the zoom factor can be defined in the [Module configuration](#)
- You can change the address as you wish and search again via the button *Search*
- For a successful search, you need at least *country*, *city*, or for an extended search either *country*, *city*, *ZIP* or *country*, *city*, *ZIP*, *street*, and *house number*
- The dropdown field *country* depends on your system configuration for `general_country_default` and `general_country_allow`



4.4 DHL Location Map: Filtering the search results

- By enabling or disabling the checkboxes you can filter the result to show only *Packstations*, *Post Offices* or *Parcelstations*



4.5 DHL Location Map: Additional information and selecting a location

- With a *single click* on a location icon you get additional information about that location
- For Packstations: Packstation number and address
- For Post Offices and Parcelstations: name, address, opening hours, services
- By clicking the hyperlink *Choose this pick-up location* the location can be selected; the DHL Location Map will be closed afterwards
- With a *double-click* on the location icon you can directly select the location. The map will be closed immediately.

Germany

Berlin

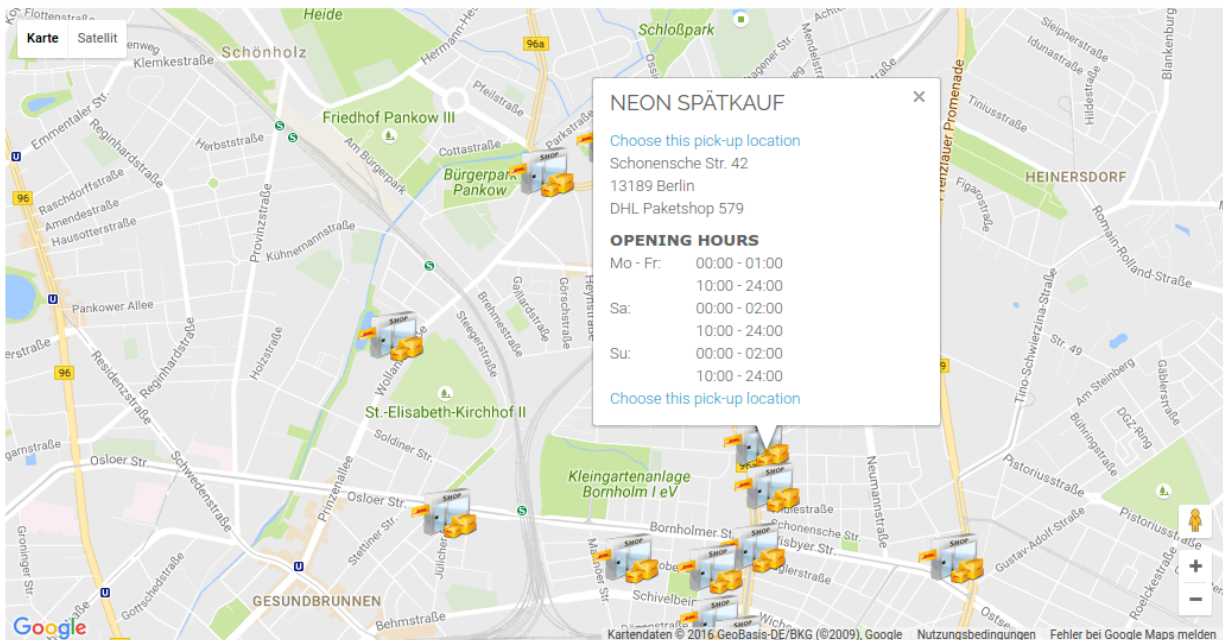
10439

Bornholmer Str. 110

SEARCH

Show:

☐
☐
☒



NEON SPÄTKAUF

[Choose this pick-up location](#)

Schonensche Str. 42
13189 Berlin
DHL Paketshop 579

OPENING HOURS

| | |
|----------|---------------|
| Mo - Fr: | 00:00 - 01:00 |
| | 10:00 - 24:00 |
| Sa: | 00:00 - 02:00 |
| | 10:00 - 24:00 |
| Su: | 00:00 - 02:00 |
| | 10:00 - 24:00 |

[Choose this pick-up location](#)

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☒ Shipping to Parcelstation or Post Office

SEARCH FOR PARCELSTATION/ POST OFFICE

* Required Fields

DHL Postnumber ?

123456

DHL pick-up location *

DHL Paketshop 579

First Name *

Max

Last Name *

Mustermann

Company

Muster Company

Address *

Schonensche Str. 42

Address 2

City *

Berlin

State/Province

Berlin ▼

Zip/Postal Code *

13189

Country *

Germany ▼

Telephone *

12345678

Fax

☐ Use Billing Address

CONTINUE

« Back



4.6 Magento® Checkout: Shipping address - check your data

- The location data for the *Packstation*, *Post Office* or *Parcelstation* have been entered now. You cannot edit these fields manually
- To select another DHL location, open the DHL Location Map again by clicking *Search for Parcelstation/ Post Office*
- If you have selected a *Packstation*, you must enter your personal *DHL Postnumber* (required field)
- When selecting a *Post Office* or *Parcelstation*, your personal *DHL Postnumber* is not required (but can still be entered)
- Continue the checkout process as usual (Magento® standard behaviour)

4.7 Magento® Checkout: Additional hints

- The addresses of *Packstations*, *Post Offices*, or *Parcelstations* cannot be stored in the customer's address book
- If you decide to enter your billing address in the checkout step *Shipping address*, please disable the checkbox *Shipping to Parcelstation or Post Office* first



5 Uninstalling or disabling the module

To *uninstall* the module, follow these steps:

1. Delete all module files from your file system
2. Remove the address attributes mentioned in the section [Installation](#)
3. Remove the module entry `dhl_locationfinder_setup` from the table `core_resource`.
4. Remove all module entries `checkout/dhl_locationfinder/*` from the table `core_config_data`.
5. Flush the cache afterwards.

In case you only want to *disable* the module without uninstalling it, you have two options:

1. Disable the module completely

The module will not be loaded if the node `active` in the file `app/etc/modules/Dhl_LocationFinder.xml` is set from **true** to **false**

2. Disable module output

The module's output will not be visible if you disable it in the system configuration. However, the module will still be loaded.

System → Configuration → Advanced → Advanced → Disable Modules Output → Dhl_LocationFinder



6 Technical support

In case of questions or problems, please have a look at the Support Portal (FAQ) first:

<http://dhl.support.netresearch.de/>

If the problem cannot be resolved, you can contact the support team via the Support Portal or by sending an email to dhl.support@netresearch.de