

# Magento 2 Distance Based Shipping

## Installation and User Guide for Magento 2 Distance Based Shipping Extension

### Table of Contents

1. Installation
  - *Installation via app/code*
  - *Installation via Composer*
2. Configuration Settings for Distance Based Shipping
  - *Order Tags Logs*
  - *Order Tags Grid*
  - *General Settings*
3. Shipping Cost
4. Pick Store / Website Address from

## Installation

- **Installation via app/code:** Upload the content of the module to your root folder. This will not overwrite the existing Magento folder or files, only the new contents will be added. After the successful upload of the package, run below commands on Magento 2 root directory.

```
php bin/magento setup:upgrade  
php bin/magento setup:di:compile  
php bin/magento setup:static-content:deploy
```

- **Installation via Composer:** Please follow the guide provided in the below link to complete the installation via composer.

# Configuration Settings for Distance Based Shipping

Go to **Admin > Stores > Configuration > Sales > Delivery Methods > Distance Based Shipping**

## General Settings

- **Enabled Shipping Method** - Select "Yes" or "No" to enable or disable the module.
- **License Key** - Please add the license for the extension which is provided in the order confirmation email. Please note license keys are site URL specific. If you require license keys for dev/staging sites then please email us at [support@sccommerce-mage.com](mailto:support@sccommerce-mage.com).
- **Title** - Please enter the Title of Distance based Shipping.
- **Method Name** - Please enter the Method name of Distance based Shipping.
- **Shipping Cost** - The range is defined as: greater than or equal to "Distance From" and less than "Distance To".
- **Ship to Applicable Countries** - Select the applicable shipping destination(s).
- **Show Method if Not Applicable** - Select "Yes" or "No" to display the method when it is not applicable
- **Displayed Error Message** - Please enter the error message to be displayed
- **Sort Order** - Please enter the Sort order
- **Google Maps Api key** - Use a secure API key provided by Google to authenticate distance calculation requests via the Distance Matrix API.
- **Distance Unit** - Select whether to compare distances in miles or kilometers.
- **Pick Store / Website Address From - Select the method for sourcing the store address:**
  - **Website Source:** Uses the address defined in the MSI configuration. (*Visible only when MSI is enabled.*)
  - **General → Store Information:** Pulls the address from the store's configuration settings.
  - **Enter Address Manually:** Allows the admin to input latitude and longitude directly.
- **Enabled Debug** - Select "Yes" to enable debug mode, or "No" to disable it.
- **Filter Methods by Distance** - Select "Yes" to enable distance-based filtering, or "No" to disable it
- **Distance Threshold** - Please add the Distance Threshold.
- **Shipping Methods** - Select the shipping methods to hide when the store-to-customer distance exceeds the defined threshold.

# Distance Based Shipping

Enabled Shipping Method [website] Yes

License Key [store view] di7zBSuRcaXjs

This setting will be used to verify your license key for the given domain

**N.B. License keys are domain specific so for your testing or staging sites please email us at support@sccommerce-mage.com**

Title [store view] Distance Based Shipping K

Method Name [store view] Distance Based K

Shipping Cost [website]

| Title                              | Distance From | Distance To | Cost | Type   | Action |
|------------------------------------|---------------|-------------|------|--------|--------|
| Zone 1                             | 0             | 10          | 2    | Fixed  |        |
| Zone 2                             | 10            | 20          | 10   | Percen |        |
| Zone 3                             | 21            | 90          | 10   | Fixed  |        |
| <input type="button" value="Add"/> |               |             |      |        |        |

Fill costs for distance range. Range is calculated as  $\geq$  DISTANCE FROM and  $<$  DISTANCE TO\*

Ship to Applicable Countries [store view] All Allowed Countries

Show Method if Not Applicable [store view] Yes

Displayed Error Message [store view]  
This shipping method is not available. To use this shipping method, please contact us...

Sort Order [store view]

Google Maps Api Key [store view]

Secure key provided by Google to authenticate distance calculation requests via the Distance Matrix API. Go to the [Google Cloud Platform Console](#). Click the menu button and select APIs & Services > Credentials. On the Credentials page, click Create credentials > API key.

Distance Unit [store view]

Choose whether distance comparison is done in miles or kilometers. This affects API request's units parameter.

Pick Store / Website Address From [store view]

Decide how the store address is sourced:

**Website Source** - uses source address from MSI configuration (option visible only if MSI is enabled)

**General → Store Information** - uses address set in store configuration

**Enter Address Manually** - lets admin input latitude and longitude directly

Enabled Debug [website]

Filter Methods by Distance [store view]

Hide specific shipping methods if distance between Destination and Store reaches threshold

Distance Threshold [store view]

Maximum allowable distance between store and customer for selected shipping methods to be available.

Shipping Methods [store view]

**Flat Rate**  
[flatrate] Fixed

**Best Way**  
[tablerate] Table Rate

**Free Shipping**  
[freeshipping] Free

**Distance Based Shipping K**  
[distancebased] Distance Based K

Choose which shipping methods should be hidden when the distance between store and customer exceeds the defined threshold.

## Shipping Cost

Go to **Admin > Stores > Sales > Delivery Methods > Distance Based Shipping**

| Title                              | Distance From | Distance To | Cost | Type   | Action |
|------------------------------------|---------------|-------------|------|--------|--------|
| Zone 1                             | 0             | 10          | 2    | Fixed  |        |
| Zone 2                             | 10            | 20          | 10   | Percen |        |
| Zone 3                             | 21            | 90          | 10   | Fixed  |        |
| <input type="button" value="Add"/> |               |             |      |        |        |

Fill costs for distance range. Range is calculated as " $\geq$  DISTANCE FROM and  $<$  DISTANCE TO"

# Shipping Method Configuration

- **Enable this Method (Yes / No)**
  - Turns this specific shipping method on or off within the distance-based filter.
  - When set to **Yes**, the related configuration fields below become active.
- **Shipping Title**
  - The user-friendly name shown to customers during checkout (e.g., "Standard Delivery").
  - Helps customers differentiate between multiple shipping options.
- **Shipping Method Name**
  - An internal name used for programmatic reference, logging, and in the admin panel.
  - Not typically visible to customers.
- **Shipping Cost**
  - The cost applied to this shipping method.
  - Its calculation depends on the **Type** field (see below):
    - Can be a fixed value (e.g., ).
    - Or a percentage of the cart's subtotal (e.g.,  for 5%).
- **Distance From**
  - The **minimum** distance (in miles or kilometers) from the store for this method to be available.
  - Defines the start of the valid range.
- **Distance To**
  - The **maximum** distance (in miles or kilometers) from the store for this method to be available.
  - Defines the end of the valid range.
- **Type**
  - Determines how the **Shipping Cost** is calculated.
  - **Fixed:** Applies the cost as a flat fee.
  - **Percentage:** Calculates the cost as a percentage of the order's subtotal.
- **Show Method if Not Applicable (Yes / No)**

- **Yes:** The method will be displayed even if the customer is outside the distance range, but will show an error message.
- **No:** The method will be completely hidden if the customer is outside the distance range.
- **Displayed Error Message**
  - The custom message shown to customers when "Show Method if Not Applicable" is set to **Yes** and they are outside the valid distance range.
  - Example: "This shipping method is not available for your location."
- **Ship to Applicable Countries**
  - Defines the geographical availability of the method:
    - **All Allowed Countries:** Available to all countries your store ships to.
    - **Specific Countries:** Limits the method to a selected list of countries.
- **Ship to Specific Countries**
  - A multi-select list to choose which countries this shipping method is available to.
  - This field only appears if "Ship to Applicable Countries" is set to **Specific Countries**.
- **Sort Order**
  - A number that determines the order in which this method appears in the checkout list compared to other methods.
  - Lower numbers (e.g., 0, 1) are displayed first.

#### Store Information

|   |   |
|---|---|
| Store Name<br><small>[store view]</small>               | <input type="text" value="N Local"/>  |
| Store Phone Number<br><small>[store view]</small>       | <input type="text" value="07417397786"/>                                      |
| Store Hours of Operation<br><small>[store view]</small> | <input type="text"/>  |
| Country<br><small>[website]</small>                     | <input type="text" value="United Kingdom"/>                                   |
| Region/State<br><small>[website]</small>                | <input type="text" value="Please select a region, state or province."/>       |
| ZIP/Postal Code<br><small>[website]</small>             | <input type="text" value="DA1111111111111111 5FP"/>                           |
| City<br><small>[website]</small>                        | <input type="text" value="Dartford"/>   |
| Street Address<br><small>[website]</small>              | <input type="text" value="21111111111111111111111111111111, Hombrrrg House"/> |
| Street Address Line 2<br><small>[website]</small>       | <input type="text" value="tetetetSquare, Dartford D2u334yy4 5FP"/>            |
| VAT Number<br><small>[website]</small>                  | <input type="text"/>  |

When a customer enters an address on the checkout page, the system calculates delivery cost based on the distance from the origin address and the distance ranges configured are as follows: -

- **Zone 1: 0-10 km:** Delivery cost is 2
- **Zone 2: 11-20 km:** Delivery cost is 10
- **Zone 3: 21-90 km:** Delivery cost is 10

Refer to the screenshot below to validate the shipping methods based on calculated distance fall under the above configured distance ranges: -

## Frontend images based on above configured distance ranges:

← → ↻ 🏠 qa2.scommerce-mage.co.uk/checkout/#shipping

Fallon

Last Name \*

Metcalf

Company

Street Address \*

6 Bell Terrace, DA1 5FN

6 Bell Terrace, DA1 5FN

Country \*

United Kingdom

State/Province

London

City \*

Dallond

Zip/Postal Code

5FN

⚠️ Provided Zip/Postal Code seems to be invalid. Example: AB12 3CD; A1B 2CD; AB1 2CD; AB1C 2DF; A12 3BC; A1 2BC. If you believe it is the right one you can ignore this notice.

Phone Number \*

5636399157

Privacy Policy \*

By checking this box you agree to our Privacy Policy. You also agree to receive information relevant to your order or account via email.

### Shipping Methods

£2.00 Distance Based K Distance Based Shipping K - Zone 1

£0.00 Free Free Shipping

City \*

Zip/Postal Code

Phone Number \*



Privacy Policy \*

By checking this box you agree to our Privacy Policy. You also agree to receive information relevant to your order or account via email.

## Shipping Methods

**£3.84** Distance Based K Distance Based Shipping K - Zone 2

**£0.00** Free Free Shipping

**£5.00** Fixed Flat Rate

Fallon

Last Name \*

Metcalf

Company

Street Address \*

Central london / Sevenkings 55 norfolk road

Country \*

United Kingdom

State/Province

London

City \*

Sevenkings

Zip/Postal Code

IG3 8LH

Phone Number \*

5636399157



Privacy Policy \*

By checking this box you agree to our Privacy Policy. You also agree to receive information relevant to your order or account via email.

### Shipping Methods

£10.00 Distance Based K Distance Based Shipping K - Zone 3

Best Way

This shipping method is not available. To use this shipping method, please contact us.

## Pick Store / Website Address from

Pick Store / Website Address From

[store view]

Enter Address Manually

Website Source

General → Store Information

Enter Address Manually

Latitude

[store view]

51.46225788888

**Website Source** - To add a website source, navigate to: **Admin > Stores > Configuration > Sources** From there, you can enter the required source details.

Edit Source: uk1

Q support-9875

← Back   Reset   **Save & Continue** ▾

General

Name \*

Code \*

Is Enabled  Yes  
The Default Source must be enabled. A default source is required for single source merchants and product migration.

Description

Latitude

Longitude

Use as Pickup Location  No  
The Default Source can not be used for In-Store Pickup Delivery.

Contact Info

Address Data

**General - Store Information** - Displays the store address as configured in the **Store Settings** section. This information is automatically pulled from the predefined store configuration. To configure, navigate to **Admin > Stores > General > Store Information** and enter the store address. This address will be used as the source (origin) for distance-based calculations.

Store Information

Store Name [store view]

Store Phone Number [store view]

Store Hours of Operation [store view]

Country [website]

Region/State [website]

ZIP/Postal Code [website]

City [website]

Street Address [website]

Street Address Line 2 [website]

VAT Number [website]

**Enter Address Manually** - Enables administrators to input geographic coordinates—**latitude** and **longitude**—directly, bypassing automated location detection or map-based selection.

To configure this manually, navigate to: **Admin > Stores > Sales > Delivery Methods > Distance-Based Shipping** From there, enter the desired latitude and longitude values. These coordinates allow Google Maps to accurately detect and associate the location for distance-based

calculations.

Pick Store / Website Address From  
[store view]

Enter Address Manually

Decide how the store address is sourced:

**Website Source** – uses source address from MSI configuration (option visible only if MSI is enabled)

**General → Store Information** – uses address set in store configuration

**Enter Address Manually** – lets admin input latitude and longitude directly

Latitude  
[store view]

51.46225788888

If "Enter Address Manually" is selected, this field captures the latitude of the origin location for distance calculation.

Longitude  
[store view]

0.228468888

If "Enter Address Manually" is selected, this field captures the longitude of the origin location for distance calculation.

If you have a question related to this extension please check out our **FAQ Section** first. If you can't find the answer you are looking for then please contact **[support@scommerce-mage.com](mailto:support@scommerce-mage.com)**.

---

Revision #14

Created 19 August 2025 11:01:43 by scommerce

Updated 24 October 2025 09:48:34 by scommerce