



# **Dimensional Shipping**

User Manual

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# 1 Extension features

Here's what Dimensional Shipping can do out-of-the-box:

- Assign appropriately sized boxes to orders.
- Assign specified boxes to particular products
- Get precise shipping rates from FedEx and UPS carriers
- Specify box inner and outer dimensions
- Provide a choice of a dimension unit (mm, cm, inch or ft)

All Aitoc extensions can be customized to fit particular business needs. If you have questions about any customization, please drop a message at [support@aitoc.com](mailto:support@aitoc.com)<sup>1</sup>

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<sup>1</sup> <mailto:support@aitoc.com>

## 2 Installation

To install the extension to your Magento 2 store, please follow these steps:

- Unzip and paste the extension file into your root Magento folder.
- Connect to your server by SSH.
- Go to your Magento root folder.
- To install the extension, perform this command:

```
php bin/magento setup:upgrade
```

- Reset JavaScript cache by removing all folders in pub/static:

```
_requirejs; adminhtml; frontend.
```

- To switch the extension on/off, perform these commands:

```
php bin/magento module:enable Aitoc_DimensionalShipping  
php bin/magento module:disable Aitoc_DimensionalShipping
```

You can activate/deactivate several Aitoc extensions at once by specifying their names separated by space in the command.

To install the extension via composer please [read this guide](#)<sup>2</sup>.

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<sup>2</sup> <https://www.aitoc.com/docs/guides/composer.html>

### 3 Initial setup

Go to Stores - Configuration - Aitoc Extensions - Dimensional Shipping to find global settings. Here you only need to pick which dimension unit is used in your store:

Store View: Default Config ▾ ?

GENERAL ▾	Units Settings
CATALOG ▾	
SECURITY ▾	
CUSTOMERS ▾	
SALES ▾	
ENGAGEMENT CLOUD ▾	
SERVICES ▾	
ADVANCED ▾	

Dimensional units [global]  ▾  
Units for boxes and products dimensions.

## 4 Box settings

Go to System → Extensions → Dimensional Shipping to set up your boxes.

Dimensional Shipping: Boxes List

🔍 2 👤 admin ▾

Add New Box

✓ The box saved successfully.

Search by keyword



Filters

Default View ▾

Columns ▾

Actions ▾

3 records found

20 per page



1

of 1



<input type="checkbox"/>	Name	Length	Width	Height	Outer Length	Outer Width	Outer Height	Max Weight	Empty Weight	Action
<input type="checkbox"/>	Small Box	300	200	200	302	202	202	10	1	<a href="#">Edit</a>
<input type="checkbox"/>	Medium Box	500	400	300	502	402	302	20	1	<a href="#">Edit</a>
<input type="checkbox"/>	Large Box	1000	1000	1000	1002	1002	1002	40	2	<a href="#">Edit</a>

Edit Options Box

Name \*

Length \*  mm

Width \*  mm

Height \*  mm

Outer Length \*  mm

Outer Width \*  mm

Outer Height \*  mm


Max Weight \*  lbs

Empty Weight \*  lbs

All fields are mandatory to be filled in.

Setting	Purpose
Name	The name of the box.
Length	Inner length of the box which is used in the product packing calculation.
Width	Inner width of the box which is used in the product packing calculation.
Height	Inner height of the box which is used in the product packing calculation.
Outer length	The outside length of the box which is used in the shipping rate calculation.

Setting	Purpose
Outer width	The outside width of the box which is used in the shipping rate calculation.
Outer height	The outside height of the box which is used in the shipping rate calculation.
Max weight	The maximum weight this box can carry.
Empty weight	The weight of the box itself. This number is added to the products' weight and used in the shipping rate calculation.

 Note that in order for the product to fit into the box during the checkout calculation, its dimensions should be a bit smaller than box inner dimensions. So a box with dimensions 30x20x20 can contain products that total up to 29x19x19

Customers cannot pick the box themselves, such functionality is not implemented by default but can be custom coded.

## 5 Product settings

In order for Dimensional Shipping to work during the shipping rates calculation, you need to set up the extension for all products in your store. Don't forget to set the weight too. You can choose either Special Box for the product or Special packing rules:

### Dimensional Shipping Options

Product Length  mm

The length of the product for the carton selection algorithm

Product Width  mm

The width of the product for the carton selection algorithm

Product Height  mm

The height of the product for the carton selection algorithm

Special Box for this product:  ▾

Special Box for this product:

Box \*  ▾

Choose box for this product

Product Width  mm

The width of the product for the carton selection algorithm

Product Height  mm

The height of the product for the carton selection algorithm

Special Box for this product:  ▾

Special Box for this product:

### Areas settings \*

Special packing rules for this product:  ▾

- No
- No
- Separate box for each item
- Separate box for several items of this product



## 6 Orders management

You can manually change packing parameters for any unshipped order as a store admin in the backend. Go to Sales → Orders and choose any order that hasn't been shipped:

### Items without box

Product	SKU	Qty	Message	Action
Fusion Backpack	24-MB02	1	The Item(s) can't be packed due to excessive or unspecified dimensions and/or weight.	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="border-bottom: 1px solid #ccc; padding: 2px;">Select existing box... ▼</div> <div style="border-bottom: 1px solid #ccc; padding: 2px;">Medium Box ▼</div> <div style="display: flex; justify-content: space-between; padding: 2px;"> <span>qty</span> <span>Save</span> </div> </div>

### Payment & Shipping Method

#### Payment Information

Check / Money order  
The order was placed using USD.

#### Shipping & Handling Information

**Flat Rate - Fixed \$5.00**

Find the box section on the Information tab and edit it as you need.

### Box Items

Box #1: Medium Box (Weight: 0 lbs)

Product	SKU	Qty	Action
Fusion Backpack	24-MB02	1	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="border-bottom: 1px solid #ccc; padding: 2px;">Select existing box... ▼</div> <div style="border-bottom: 1px solid #ccc; padding: 2px;">Select new box... ▼</div> </div>

### Payment & Shipping Method

#### Payment Information

Check / Money order  
The order was placed using USD.

#### Shipping & Handling Information

**Flat Rate - Fixed \$5.00**

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You can purchase **Dimensional  
Shipping** at

<https://www.aitoc.com/magento-2-dimensional-shipping.html>

For questions please email at  
[sales@aitoc.com](mailto:sales@aitoc.com)