



# Shipping Method for nopCommerce

Plugin Documentation

# Canada Post Shipping Plugin for nopCommerce

## Plugin Documentation

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## Canada Post – Shipping Plugin

The nopCommerce systems allows the installation and setup of Shipping Plugins which can be used to automatically calculate the shipping costs associated with the sale and delivery or particular products.

### Store View – Estimate Shipping

When a product that requires shipping is added to the cart then the Estimate Shipping function can be used.

Ship to

United States \* California 90007

Shipping Method

Name	Estimated Delivery	Price
<input checked="" type="radio"/> Canada Post - Priority Worldwide envelope USA	29/10/2020	\$158.56
<input type="radio"/> Canada Post - Priority Worldwide pak USA	29/10/2020	\$119.20
<input type="radio"/> Canada Post - Xpresspost USA	30/10/2020	\$46.37
<input type="radio"/> Canada Post - Expedited Parcel USA	1/11/2020	\$28.82

Apply

The cost to send a package via Canada Post can be estimated based on the Dispatch Location for the goods which is setup in the shipping configuration

The user can enter the Destination sipping location and click the Estimate Shipping button.

Depending on the configuration setup a number of shipping options will be displayed.

The cost is calculated using the standard formulas based on the Weight, Height, Width and Depth of the package.

– Refer to Define Products below

### Store View – Checkout Options

As part of the checkout process the user will be presented with a number of options for selecting the shipping.

## Checkout

- Billing address
- Shipping address
- Shipping method

Canada Post - Priority Worldwide envelope USA (\$158.56)  
Once shipped, delivery in approx 3 days in 4 parcels

Canada Post - Priority Worldwide pak USA (\$119.20)  
Once shipped, delivery in approx 3 days in 2 parcels

Canada Post - Xpresspost USA (\$46.37)  
Once shipped, delivery in approx 4 days

Canada Post - Expedited Parcel USA (\$28.82)  
Once shipped, delivery in approx 6 days

Canada Post - Tracked Packet - USA (\$25.89)  
Once shipped, delivery in approx 9 days

Canada Post - Small Packet USA Air (\$23.12)  
Once shipped, delivery in approx 3 days

[Back](#)

[CONTINUE](#)

The user can select the desired shipping option.

### Administration

The backend Administration has several pages for managing the setup of Shipping using the Canada Post plugin. The setup created by the standard install can be changed using the following functions detailed below:

## Installing the Plugin

The zip package supplied can be uploaded and installed using the “Upload plugin or theme” button on the Configuration > plugins page.

Refer to Then the installation of the plugin follows the standard nopCommerce procedure.  
See <https://docs.nopcommerce.com/user-guide/configuring/system/plugins.html>

Alternatively, you can manually install the plugin:

1. Copy the Plugin to the correct directory
2. Restart the Application – Click the Icon in the top

Once installed the you can configure the plugin.

## Configure Settings

The settings for the plugin can be set using the configure page. To setup the plugin or define the options open the config page in the Menu then click the required function checkbox. After entering the settings click **Save**.

There are two configure pages.

## Operations Settings

### Configure - Canada Post [back to shipping rate computation method list](#)

Operation Settings Configuration Settings

Default Header ?	<input type="text" value="Canada Post -"/>		
Additional Handling Charge ?	<input type="text" value="0.0000"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Additional Shipping Days ?	<input type="text" value="0"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Delivery Days Message ?	<input type="text" value="Once shipped, delivery in approx {0} days"/>		
Delivery Parcels Message ?	<input type="text" value="in {0} parcels"/>		
Default Delivery Days ?	<input type="text" value="3"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Available services ?	<input type="checkbox"/> All		
	<input checked="" type="checkbox"/> Expedited Parcel		
	<input checked="" type="checkbox"/> Regular Parcel		
	<input checked="" type="checkbox"/> Priority		
	<input checked="" type="checkbox"/> Xpresspost		
	<input checked="" type="checkbox"/> Priority Worldwide envelope INT'L		
	<input checked="" type="checkbox"/> Priority Worldwide pak INT'L		
	<input checked="" type="checkbox"/> Priority Worldwide parcel INT'L		
	<input checked="" type="checkbox"/> Xpresspost International		
	<input checked="" type="checkbox"/> International Parcel Air		
	<input checked="" type="checkbox"/> International Parcel Surface		
	<input checked="" type="checkbox"/> Tracked Packet - International		
	<input checked="" type="checkbox"/> Small Packet International Surface		
	<input checked="" type="checkbox"/> Small Packet International Air		
	<input checked="" type="checkbox"/> Xpresspost USA		
	<input checked="" type="checkbox"/> Expedited Parcel USA		
	<input checked="" type="checkbox"/> Tracked Packet - USA		
	<input checked="" type="checkbox"/> Small Packet USA Air		
Restricted Product Mode ?	<input type="checkbox"/>		
Restricted Product Tags ?	<input type="text" value="Please enter product name tags..."/>		
Default Weight ?	<input type="text" value="2.0000"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Default Length ?	<input type="text" value="0.2000"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Default Width ?	<input type="text" value="0.2000"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>
Default Height ?	<input type="text" value="0.4000"/>	<input type="button" value="▲"/>	<input type="button" value="▼"/>

## Default header

In the case where you have multiple shipping providers then you can differentiate them by added a prefix to the shipping options displayed. On install it defaults to “Canada Post – “

You can change this text or delete it if not required

## Additional Handling Charge

The shipping rates displayed are received from Canada Post. You can enter an additional charge fee that is automatically added to the estimate shipping rate provided by Canada Post and displayed to the customer and included in the cost for calculation of the order total.

## Additional Shipping Days

Where available the estimated delivery time (in days) is received from Canada Post and then converted to a delivery date and displayed to the customer. You can enter a number for the additional shipping days that is automatically added to the estimated shipping days provided by Canada Post.

## Default Delivery Days

For some shipping options returned from Canada Post there is no estimated delivery. You can enter a default number of days so that the customer has some indication of the delivery date. Alternatively, you can set it to 0

## Delivery Days Message

You can customise the message displayed to the customer indicating the number of days for shipping. Ensure you include the {0} token in the desired location in the message.

**Note:** This setting is language dependent so select the language at the top of the page for the front-end display language before saving the configuration.

## Delivery Parcels Message

Where the shipment will need to be split into a number of packages due to size or weight the a message is displayed to the customer. You can customise the message displayed. Ensure you include the {0} token in the desired location in the message.

**Note:** This setting is language dependent so select the language at the top of the page for the front end display language before saving the configuration.

## Available services

You can select what services will be checked for availability and display to the customer when using the Estimate Shipping and Checkout Shipping selection functions.

You can click “All” to select all options or alternatively select the options you want to display.

## Restricted Product Mode

When this mode is selected then products which have a **Restricted Product Tag** assigned will not use the Canada Post shipping method to calculate a shipping estimate.

## Restricted Product Tags

A list of the restricted product tags which are checked

## Default Weight, Length, Width, Height

The Canada Post Api requires that the details for the current package weigh, length, width and heigh are sent so that the estimate can be calculated, these are provided and summed up from the products in the shopping cart.

The **Default Weight** value is entered in **Kg(s)**. The **Default Dimensions** are to be entered in **Centimetres**

In the case where you do not want to provide these details individually for each product you can enter default values and they will only be used where the product values required is zero.

**Click the Configurations Tab to go to the next page**

## Configuration Settings

Configure - Canada Post [back to shipping rate computation method list](#)

Operation Settings | Configuration Settings

To configure plugin follow one of these steps:

1. If you are a Canada Post commercial customer, fill Customer number, Contract ID and API key below.
2. If you are a Solutions for Small Business customer, specify your Customer number and API key below.
3. If you are a non-contracted customer or you want to use the regular price of shipping paid by customers, fill the API key field only.

*Note: Canada Post gateway returns shipping price in the CAD currency, ensure that you have correctly configured exchange rate from PrimaryStoreCurrency to CAD.*

Customer number

Contract ID

API key

Use Sandbox

Public Key

Private Key

### Customer Number, Contract Id and API Key

These details can be obtained by registering for an account with Canada Post

The Sandbox test values can be obtained on the developer website See

<https://www.canadapost.ca/cpo/mc/business/productservices/developers/services/fundamentals.jsf>

### Use Sandbox

Click this checkbox to enable Canada Post Sandbox testing mode.

### Purchased Licence Keys

When you first install the plugin Demonstration keys will be automatically generated. The plugin can be operated in demo mode for 14 days. The purchase licence keys will be provided via email normally within 1 day after purchase. The purchase licence keys can then be entered as follows:

#### Public Key

This is the plugin licence public key provided. When you first install the plugin a Demonstration key will be saved. Change this value to the Public key supplied in the email when received.

#### Private Key

This is the plugin licence public key provided. When you first install the plugin a Demonstration key will be saved. Change this value to the Private key supplied in the email when received.

## Defining Products

When setting up Products you can define the Shipping details that will be used to calculate the shipping cost

The screenshot displays the product configuration interface, divided into three main sections:

- General information:** Contains fields for 'Product name' (Oversized Women T-Shirt), 'Short description', and 'Full description'. The 'Full description' field includes a rich text editor with a menu (File, Edit, Insert, View, Format, Table, Tools) and various formatting options. Below the editor, a sample text reads: "This oversized women t-Shirt needs minimum ironing. It is a great product at a great value!"
- Inventory:** Features a dropdown for 'Inventory method' (Track inventory) and a numeric input for 'Stock quantity' (10000).
- Shipping:** Includes a checked 'Shipping enabled' checkbox and four input fields for 'Weight' (4.0000 lb(s)), 'Length' (3.0000 inch(es)), 'Width' (3.0000 inch(es)), and 'Height' (3.0000 inch(es)).

To enable shipping for a product, click the Shipping enabled checkbox.

Then enter the estimated or exact weight, length, width and height of package for the item to be shipped.

## Access Control

Before you can access the menu options:

- you need to setup access control to manage access to configure the Plugin

Go to Configuration > Access Control List

Select the Manage Plugins in the desired Customer role to enable access to configure the plugin.

The screenshot shows the 'Access control list' configuration page. It includes a 'Save' button and a table with the following data:

Permission name	<input checked="" type="checkbox"/> Administrators	<input type="checkbox"/> Forum Moderators	<input type="checkbox"/> Guests	<input type="checkbox"/> Registered	<input type="checkbox"/> Vendors
Admin area. Manage Plugins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Shipping Rate Computation Methods

Once the Plugin is installed it will be displayed in the Shipping Rate Computation page. To enable the Canada Post shipping option, edit the option and activate it.

Friendly name	System name	Logo	Display order	Is active	Configure	Edit
Australia Post	Shipping_AustraliaPost		1	✓	Configure	Edit
Manual (Fixed or By Weight)	Shipping_FixedOrByWeight		1	✗	Configure	Edit

## Shipping Settings

There are various settings which control the operation of the Shipping Rate Computation.

**Shipping settings**

- Tax settings
- Catalog settings
- Shopping cart settings
- Reward points
- Vendor settings
- Blog settings
- News settings
- Forum settings
- Media settings
- All settings (advanced)
- Email accounts
- Stores
- Countries
- Languages
- Currencies
- Payment
- Tax
- Shipping
- Access control list
- Widgets
- External authentication

**Display shipment events (customers)**

**Display shipment events (store owner)**

**Checkout**

**Estimate shipping enabled**

**Hide shipping total if shipping is not required**

**Ship to the same address**

**Bypass shipping method page if there's only one**

**Shipping origin**

**Country** Australia

**State / province** New South Wales

**City** Pennant Hills

**Address 1** 84 Boundary Road

**Zip / postal code** 2120

Refer to <https://docs.nopcommerce.com/user-guide/configuring/settingup/shipping/index.html>

## Measures

The plugin requires that the following setup in Measures

See <https://docs.nopcommerce.com/en/getting-started/configure-shipping/advanced-configuration/measures.html>

1. Mark meter(s) as the Primary dimension and ensure Ratio to primary dimensions is set as 1
2. Adjust millimetres(s) and ensure Ratio to primary dimension is set at 1000
3. Mark kg(s) as the Primary Weight and ensure Ratio to primary dimensions is set as 1
4. Adjust grams(s) and ensure Ratio to primary weight is set at 1000

⚙ Dimensions							
Name	System keyword	Ratio to primary dimension	Display order	Is primary dimension	Mark as primary dimension	Edit	Delete
inch(es)	inches	1	1	✘	Mark as primary dimension	 Edit	 Delete
feet	feet	0.08333333	2	✘	Mark as primary dimension	 Edit	 Delete
meter(s)	meters	1	3	✔	Mark as primary dimension	 Edit	 Delete
millimetre(s)	millimetres	1000	4	✘	Mark as primary dimension	 Edit	 Delete

  

⚙ Weights							
Name	System keyword	Ratio to primary weight	Display order	Is primary weight	Mark as primary weight	Edit	Delete
ounce(s)	ounce	16	1	✘	Mark as primary weight	 Edit	 Delete
lb(s)	lb	1	2	✘	Mark as primary weight	 Edit	 Delete
kg(s)	kg	1	3	✔	Mark as primary weight	 Edit	 Delete
gram(s)	grams	1000	4	✘	Mark as primary weight	 Edit	 Delete

## Contact Us

If you have any more questions or would like to make suggestions on how to make the plugin operations more functional please email: [sales@selectsystems.com.au](mailto:sales@selectsystems.com.au)