Shipping Method for nopCommerce

Plugin Documentation

Australia Post Shipping Plugin for nopCommerce

Plugin Documentation

Contents

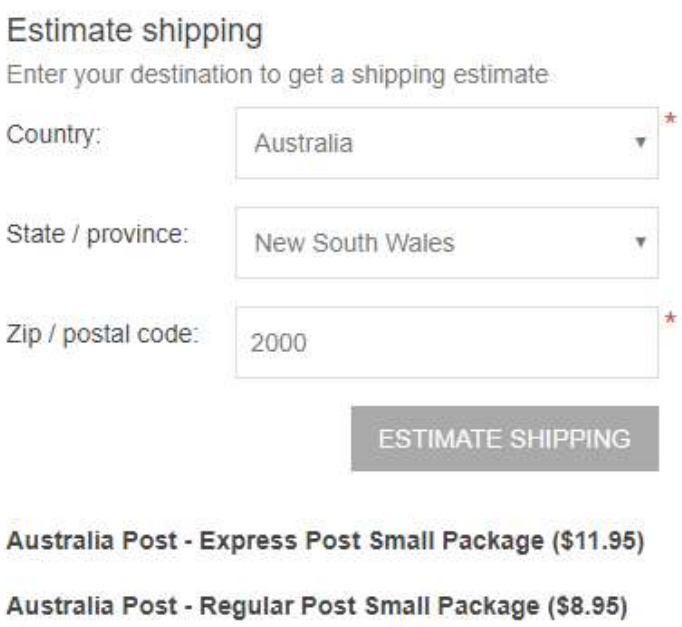
Australia Post – Shipping Plugin 3
Store View – Estimate Shipping 3
Store View – Checkout Options 3
Checkout Attributes 4
Administration 5
Installing the Plugin 5
Multistore Configuration 5
Configure Settings 5
Australia Post Configuration 5
Additional Handling Charge 6
Install Checkout Attributes 6
Restricted Product Mode 6
Restricted Product Tags 6
Display Lowest Cost 6
Ignore Services 6
Option Find, Option Replace, Optional Prefix (normally ''Australia Post - ') 6
System API and Warehouse API Settings 7
Australia Post API Key 7
Purchased Licence Keys 7
Warehouse API Settings 7
Test Configuration 7
Display Lowest Cost 8
Checkout Attributes 8
Defining Products 9
Access Control 9
Shipping Rate Computation Methods 10
Shipping Settings 10
Measures 11
All settings 11
Contact Us 12
Appendix One 13
API Return Values 13

Australia 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. The cost to send a package via Australia 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.

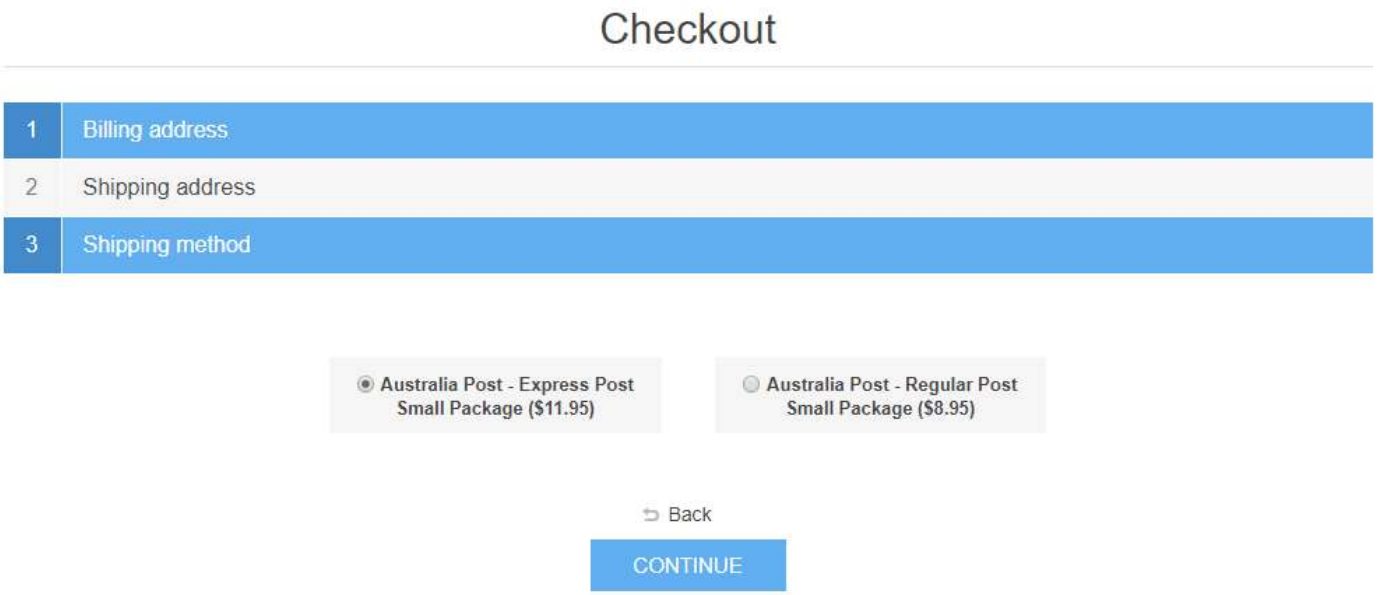
Depending on the configuration setup a number of shipping options will be displayed.

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.



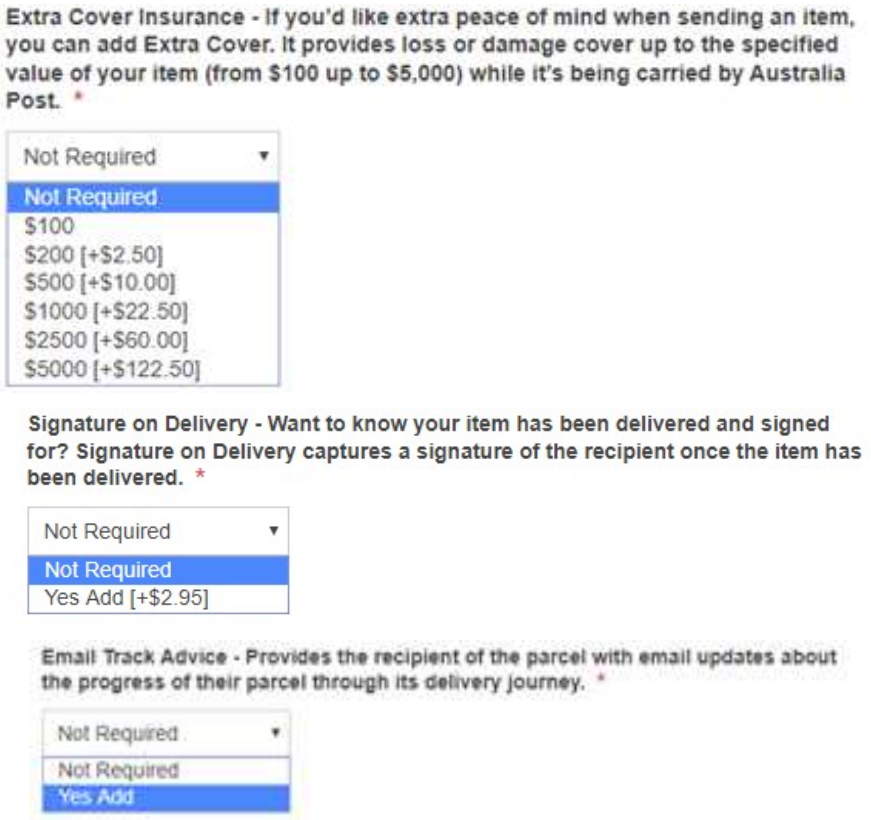
The user can select the desired shipping option being either Regular or Express Post

Checkout Attributes

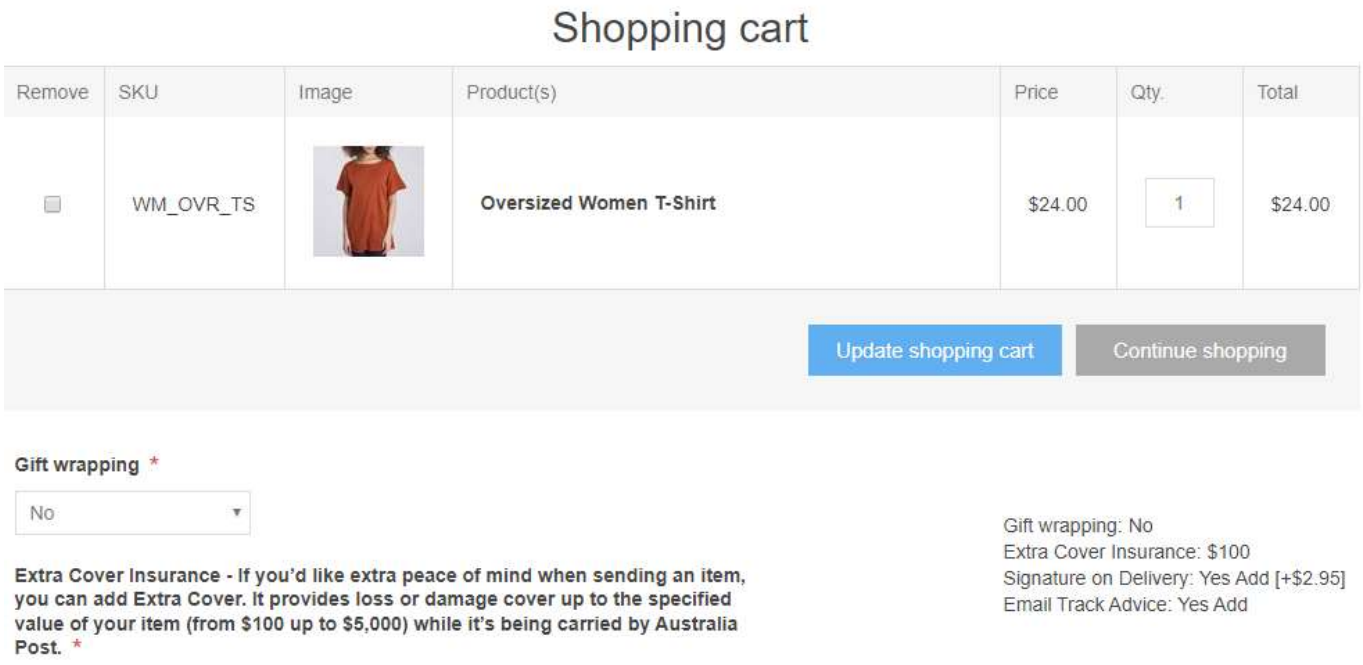
The plugin configuration has the option to set up a number of Checkout attributes associated with Australia Post shipping. These are

- Extra Cover Insurance
- Signature on Delivery
- Email Track Advice

The attributes will then be displayed in the checkout as follows. The user can then decide to select to select the desired option:



The options selected and additional costs are then displayed in the shopping cart and added to the final cost to purchase.



Administration

The backend Administration has several pages for managing the setup of Shipping using the Australia 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.

Multistore Configuration

The plugin supports multistore configurations. Select All Stores to setup the settings for All Stores or alternatively select the store and customise the settings for the particular store.

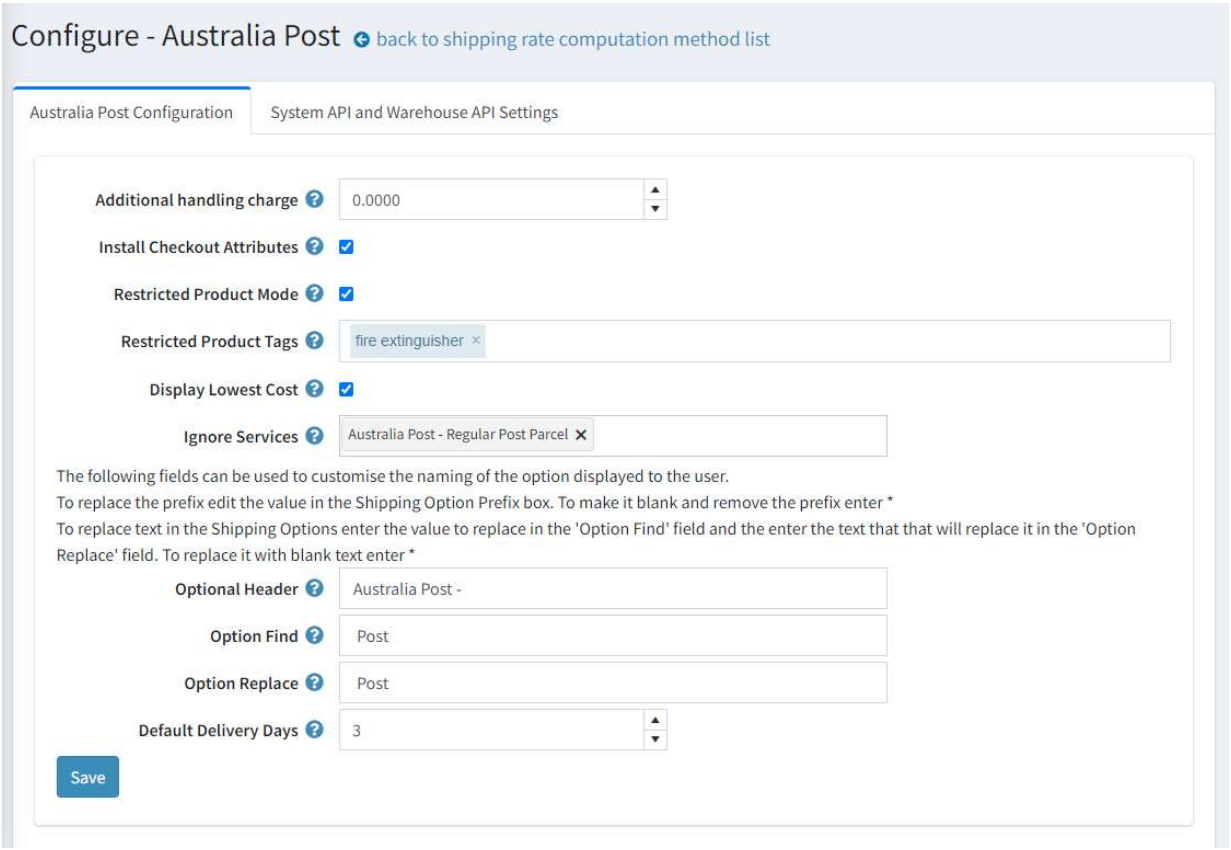
Configure Settings

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 tabs to select the confuration options

- Australia Post Configuration
- System API and Warehouse API Settings

Australia Post Configuration



Additional Handling Charge

You can enter an additional fee that is added to the base charges received from Australia Post. This fee will be automatically added to all shipping options displayed.

Install Checkout Attributes

To enable the shipping attributes (as Checkout attributes) click on the Install Checkout Attributes checkbox. Refer to Checkout Attributes below

Restricted Product Mode

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

Restricted Product Tags

A list of the restricted product tags which are checked

Display Lowest Cost

If this option is selected then only the lowest costs options for Express and Regular shipping is displayed.

Note: If more that two options are displayed then you need to check the System Log to find out which method is not defined in the Ignore Services list

Ignore Services

When a query is set to the Australia Post website it will return data detailing the types of services to send packages based on the dimensions and weight of the package.

- A full list of service available are displayed in the Ignore Services multiselector.
- Click on the services that are to be ignored, which means they will not be displayed as options for the customer to select in the front-end functions.

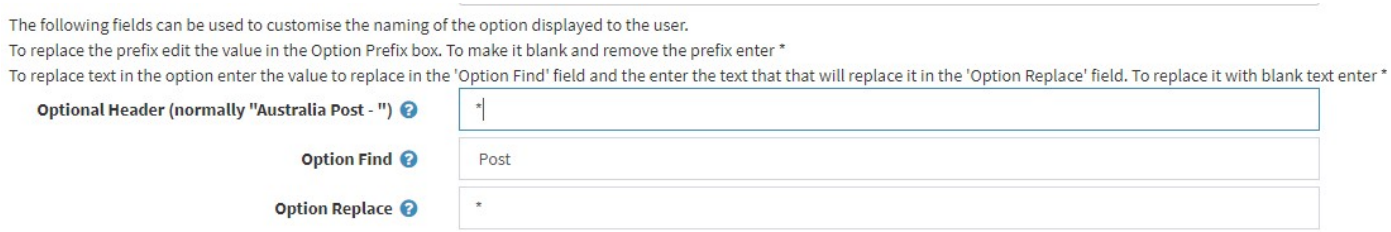
Option Find, Option Replace, Optional Prefix (normally ''Australia Post - ')

These fields can be used to customise the naming of the option(s) displayed to the user.

To replace the prefix (normally “Australia Post – “) edit the value in the Option Prefix box. To make it blank and remove the prefix enter *

To replace text in the option enter the value to replace in the 'Option Find' field and the enter the text that that will replace it in the 'Option Replace' field. To replace it with nothing text enter *

For example, using these settings



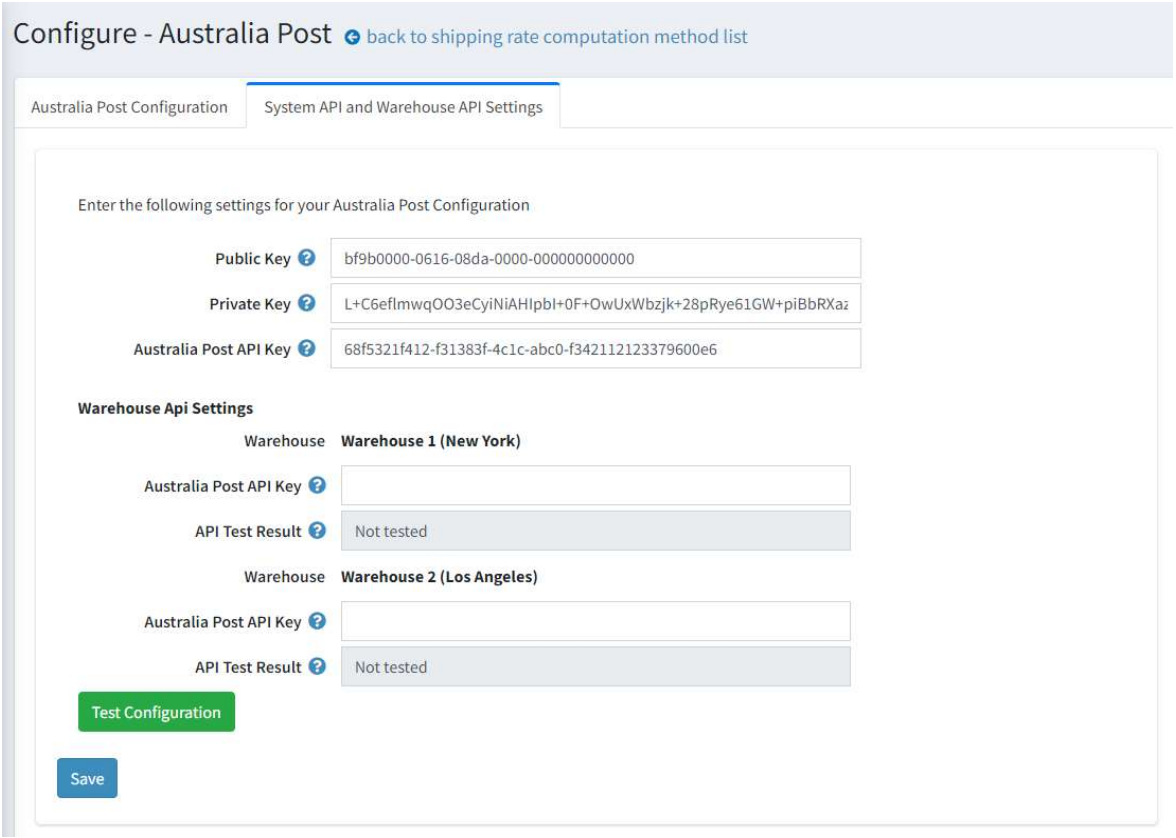
Changes the return options of

Australia Post - Regular Post Parcel
Australia Post - Express Post Parcel

to

Regular Parcel
Express Parcel

System API and Warehouse API Settings



Australia Post API Key

The API key can be obtained by registering for an account to do “API access to PAC and Postcode Search”

- See https://developers.auspost.com.au/apis
- Refer to Postage Assessment Calculator
  - See https://developers.auspost.com.au/apis/pacpcs-registration

Enter your API Key you obtain after registering

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 suppled 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 suppled in the email when received.

Warehouse API Settings

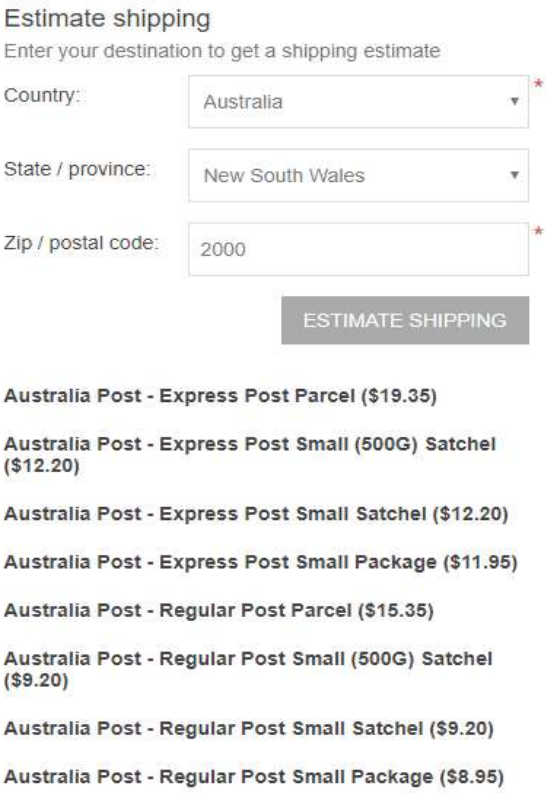
If you operate multiple warehouses and you have multiple API Keys which are different for each warehouse then enter the keys. Note: you do not need to enter keys for each warehouse unless they are different to the default API Key enter above

Test Configuration

Note: This button has no function at present

Display Lowest Cost

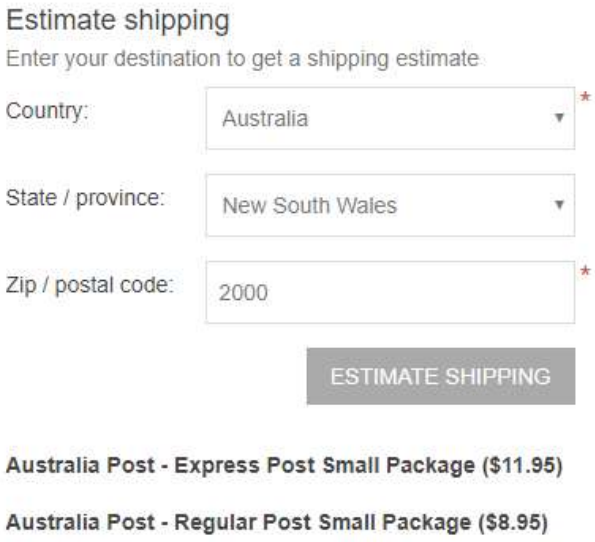
If you select this option the plugin will search and find all package shipping options and then select the lowest cost option for both Regular and Express post. Only these options will be displayed to the customer.



The following two screen shots show the two options:

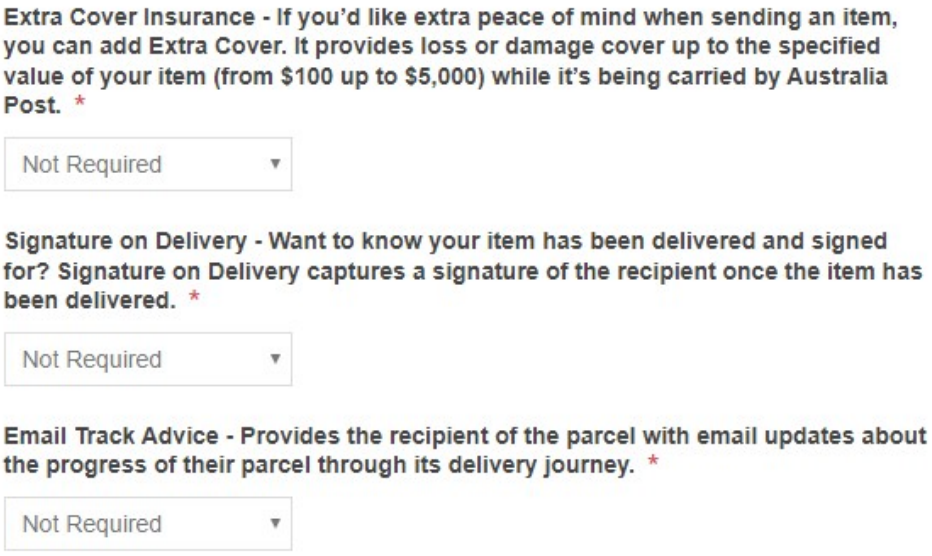
Estimate shipping without Display Lowest Cost not selected and

Estimate shipping without Display Lowest Cost selected and



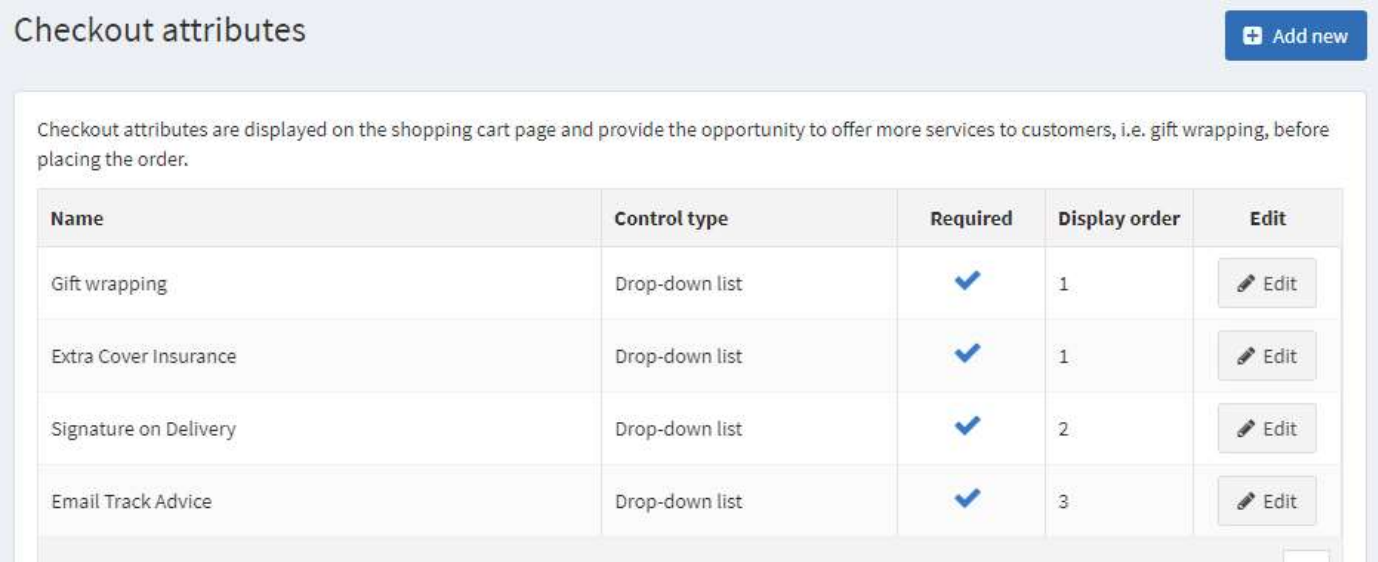
Checkout Attributes

When enabled the following options will then be displayed in the checkout



If the detailed setup provided by the standard install needs to be changed this can be done using the admin function

Catalog → Attributes → Checkout attributes

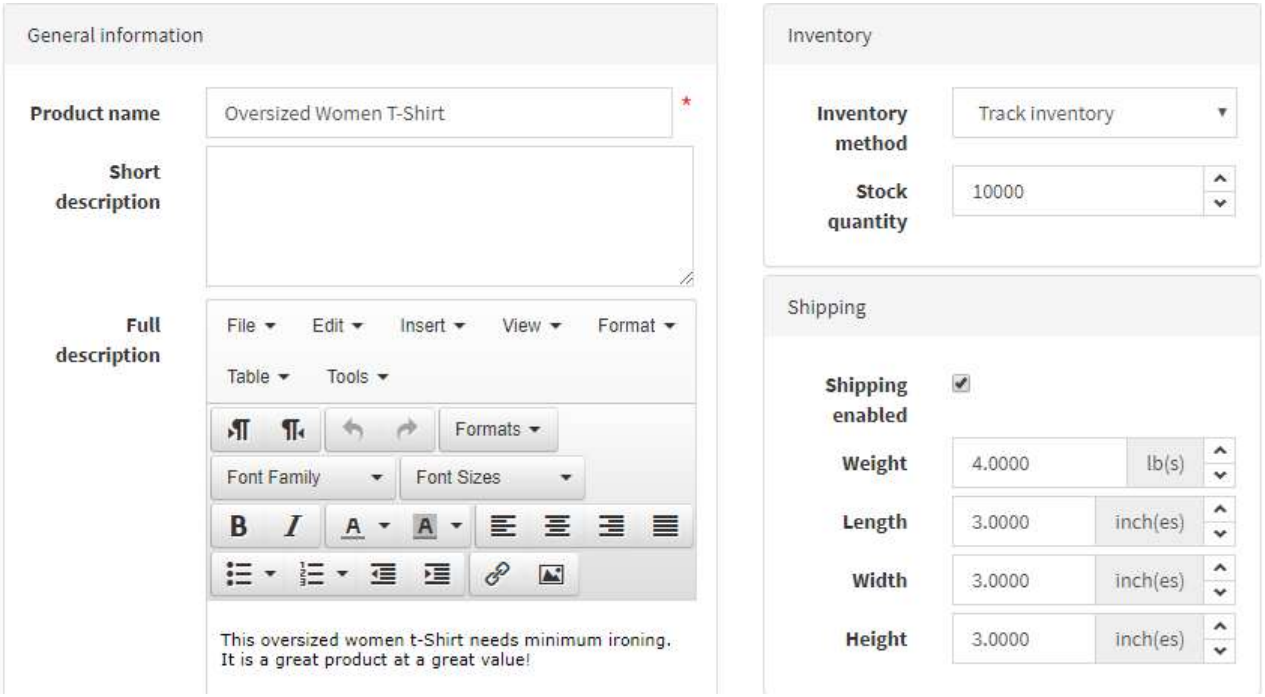


Refer to

https://docs.nopcommerce.com/user-guide/running/product-management/attributes/checkout-attributes.html

Defining Products

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



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

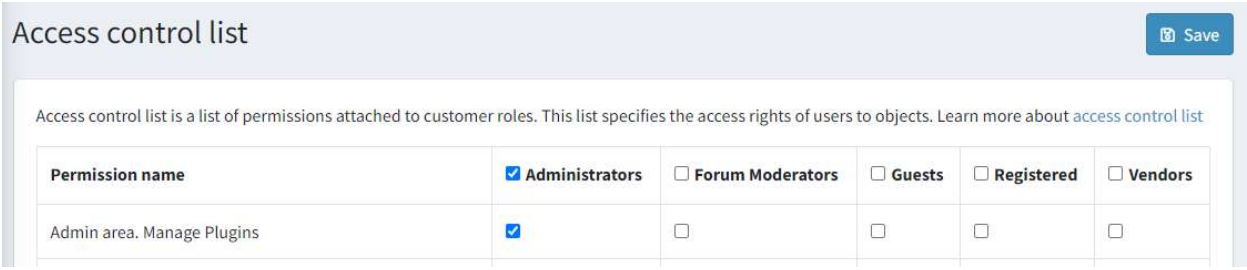
Then enter the estimated or exact weight, length, width and height of package for the item to be shipped.

Access Control

Before you can access the configure menu options you need to setup access control to manage access to configure the Plugin

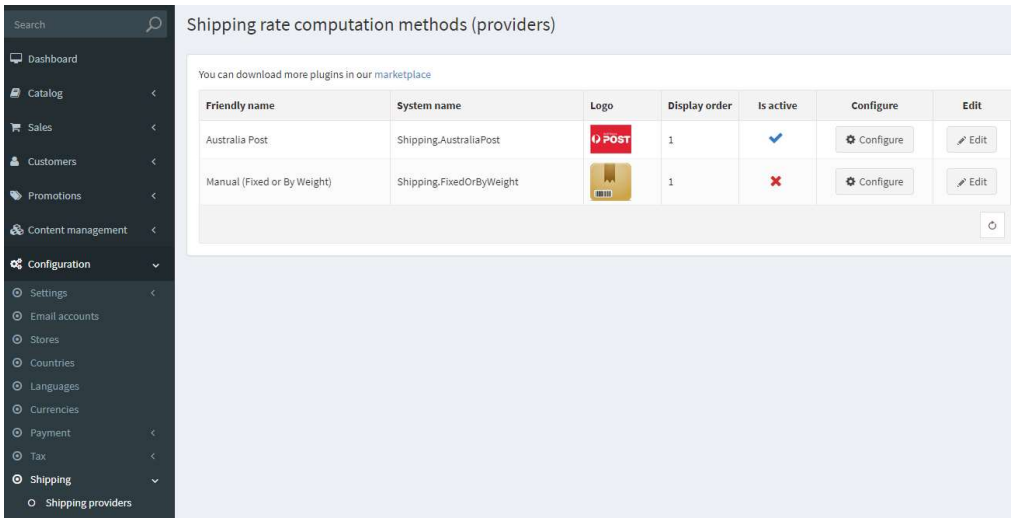
Go to Configuration > Access Control List

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



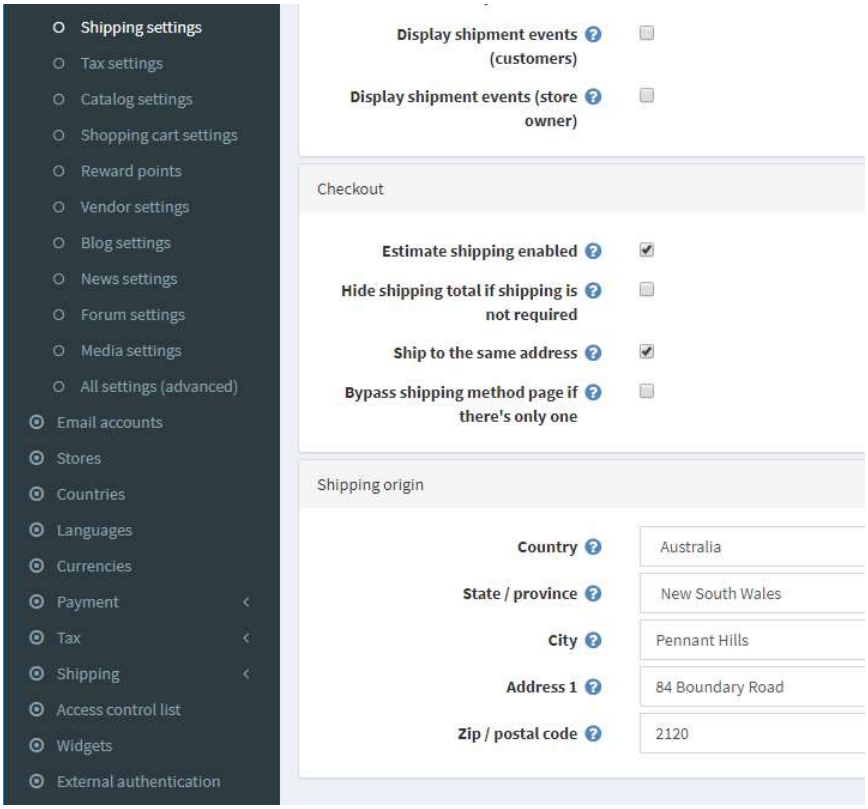
Shipping Rate Computation Methods

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



Shipping Settings

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



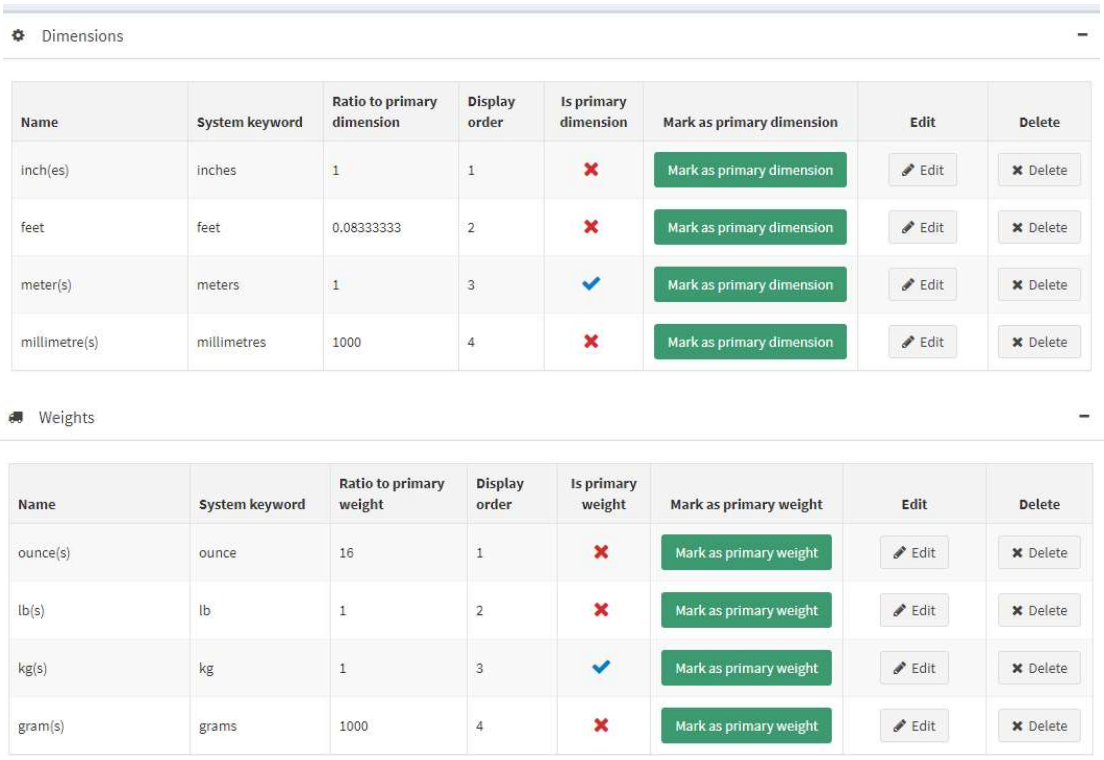
Refer to https://docs.nopcommerce.com/user-guide/configuring/settingup/shipping/index.html

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

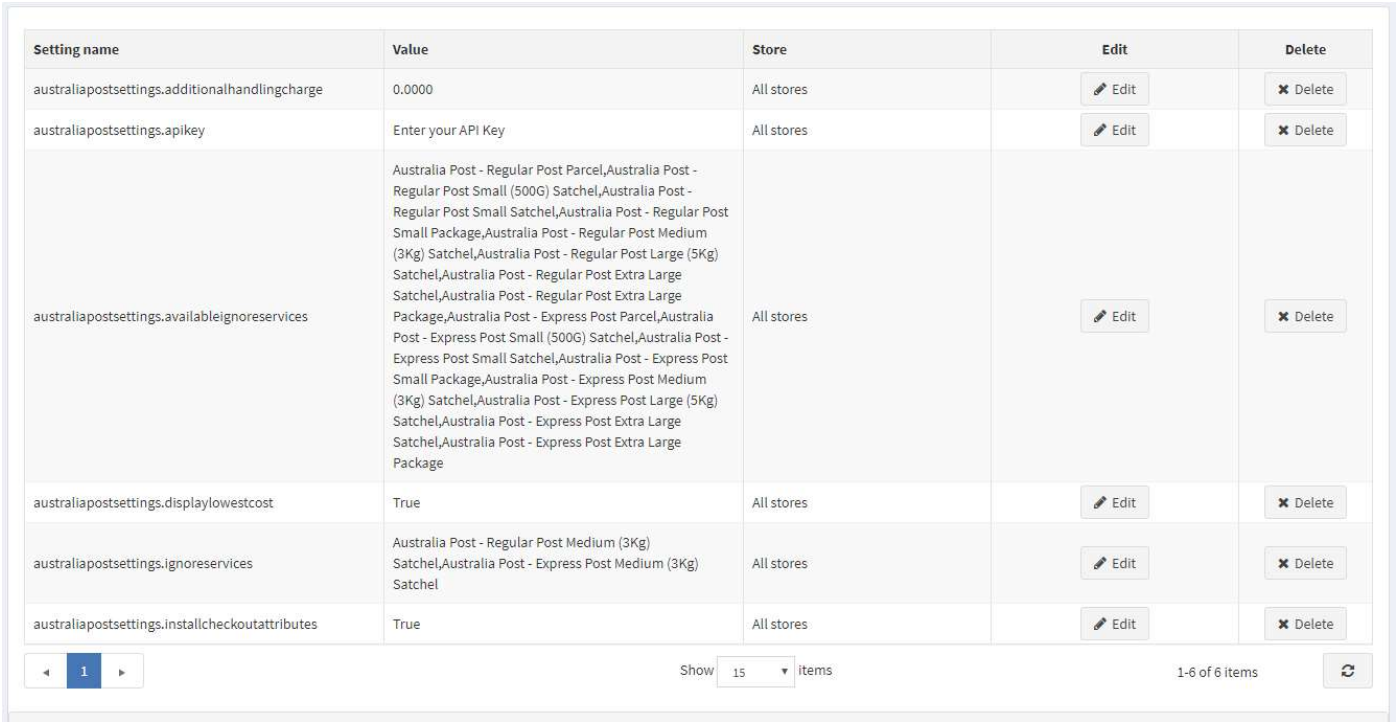
Weights

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

All settings

All settings for the plugin can be edited using the All Settings Editor

Configuration → Settings → All Settings



Setting name	Value	Store	Edit	Delete
australiapostsettings.additionalhandlingcharge	0.0000	All stores	Edit	Delete
australiapostsettings.apikey	Enter your API Key	All stores	Edit	Delete
australiapostsettings.availableignoreservices	Australia Post - Regular Post Parcel,Australia Post - Regular Post Small (500G) Satchel,Australia Post - Regular Post Small Satchel,Australia Post - Regular Post Small Package,Australia Post - Regular Post Medium (3Kg) Satchel,Australia Post - Regular Post Large (5Kg) Satchel,Australia Post - Regular Post Extra Large Satchel,Australia Post - Regular Post Extra Large Package,Australia Post - Express Post Parcel,Australia Post - Express Post Small (500G) Satchel,Australia Post - Express Post Small Satchel,Australia Post - Express Post Small Package,Australia Post - Express Post Medium (3Kg) Satchel,Australia Post - Express Post Large (5Kg) Satchel,Australia Post - Express Post Extra Large Satchel,Australia Post - Express Post Extra Large Package	All stores	Edit	Delete
australiapostsettings.displaylowestcost	True	All stores	Edit	Delete
australiapostsettings.ignoreservices	Australia Post - Regular Post Medium (3Kg) Satchel,Australia Post - Express Post Medium (3Kg) Satchel	All stores	Edit	Delete
australiapostsettings.installcheckoutattributes	True	All stores	Edit	Delete

1 Show 15 items 1-6 of 6 items

AvailableIgnoreServcices is a list of service that are displayed in the multiselector on the configuration page.

Over time new services may be introduced by Australia Post. If you find these services being displayed in the front end to the customer and you wish to be able to ignore them then edit this setting and add the new service at the end of the list.

IgnoreServcices is a list of service that have been ignored and will not be displayed when search of available postage options using the front-end functionality.

Note: The items are comma separated - do not change this formatting or it will cause an error

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

Appendix One

API Return Values

***Small** Shipping Size (API JSON string return value)*

- [0]
  - code: "AUS_PARCEL_EXPRESS"
  - name: "Express Post"
  - price: "15.70"
  - max_extra_cover: 500
  - options
- [1]
  - code: "AUS_PARCEL_EXPRESS_SATCHEL_500G"
  - name: "Express Post Small Satchel"
  - price: "12.20"
  - max_extra_cover: 500
  - options
- [2]
  - code: "AUS_PARCEL_EXPRESS_SATCHEL_SMALL"
  - name: "Small"
  - price: "12.20"
  - max_extra_cover: 500
  - options
- [3]
  - code: "AUS_PARCEL_EXPRESS_PACKAGE_SMALL"
  - name: "Small"
  - price: "11.95"
  - max_extra_cover: 500
  - options
- [4]
  - code: "AUS_PARCEL_REGULAR"
  - name: "Parcel Post"
  - price: "12.20"
  - max_extra_cover: 500
  - options
- [5]
  - code: "AUS_PARCEL_REGULAR_SATCHEL_500G"
  - name: "Parcel Post Small Satchel"
  - price: "9.20"
  - max_extra_cover: 500
  - options
- [6]
  - code: "AUS_PARCEL_REGULAR_SATCHEL_SMALL"
  - name: "Small"
  - price: "9.20"
  - max_extra_cover: 500
  - options
- [7]
  - code: "AUS_PARCEL_REGULAR_PACKAGE_SMALL"
  - name: "Small"
  - price: "8.95"
  - max_extra_cover: 500
  - options

In the data returned from Australia Post the name is not unique and does not contain a full description.

As such the plugin re-codes the name using the code data supplier as follows:

Australia Post - Regular Post Parcel
Australia Post - Regular Post Small (500G) Satchel
Australia Post - Regular Post Small Satchel
Australia Post - Regular Post Small Package
Australia Post - Express Post Parcel
Australia Post - Express Post Small (500G) Satchel
Australia Post - Express Post Small Satchel
Australia Post - Express Post Small Package

Large Shipping Size (API JSON string return value)


```
▲ [0]
    code: "AUS_PARCEL_EXPRESS"
    name: "Express Post"
    price: "25.50"
    max_extra_cover: 500
  ▷ options
▲ [1]
    code: "AUS_PARCEL_EXPRESS_SATCHEL_5KG"
    name: "Express Post Large (5Kg) Satchel"
    price: "25.95"
    max_extra_cover: 500
  ▷ options
▲ [2]
    code: "AUS_PARCEL_EXPRESS_SATCHEL_EXTRA_LARGE"
    name: "Extra Large"
    price: "25.95"
    max_extra_cover: 500
  ▷ options

▲ [3]
    code: "AUS_PARCEL_EXPRESS_PACKAGE_EXTRA_LARGE"
    name: "Extra Large"
    price: "25.50"
    max_extra_cover: 500
  ▷ options
▲ [4]
    code: "AUS_PARCEL_REGULAR"
    name: "Parcel Post"
    price: "18.50"
    max_extra_cover: 500
  ▷ options
▲ [5]
    code: "AUS_PARCEL_REGULAR_SATCHEL_5KG"
    name: "Parcel Post Large Satchel"
    price: "18.95"
    max_extra_cover: 500
  ▷ options
▲ [6]
    code: "AUS_PARCEL_REGULAR_SATCHEL_EXTRA_LARGE"
    name: "Extra Large"
    price: "18.95"
    max_extra_cover: 500
  ▷ options
▲ [7]
    code: "AUS_PARCEL_REGULAR_PACKAGE_EXTRA_LARGE"
    name: "Extra Large"
    price: "18.50"
    max_extra_cover: 500
  ▷ options
```


In the data returned from Australia Post the name is not unique and does not contain a full description.

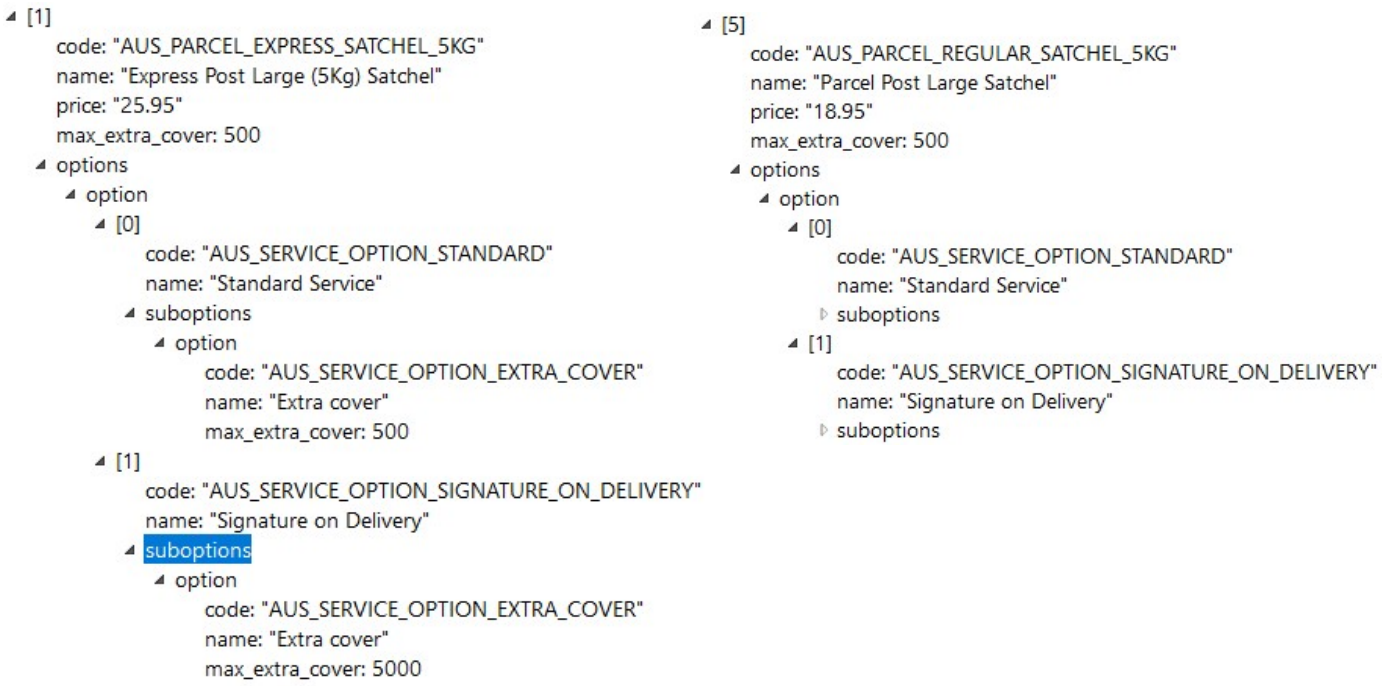
As such the plugin re-codes the name using the code data supplier as follows:

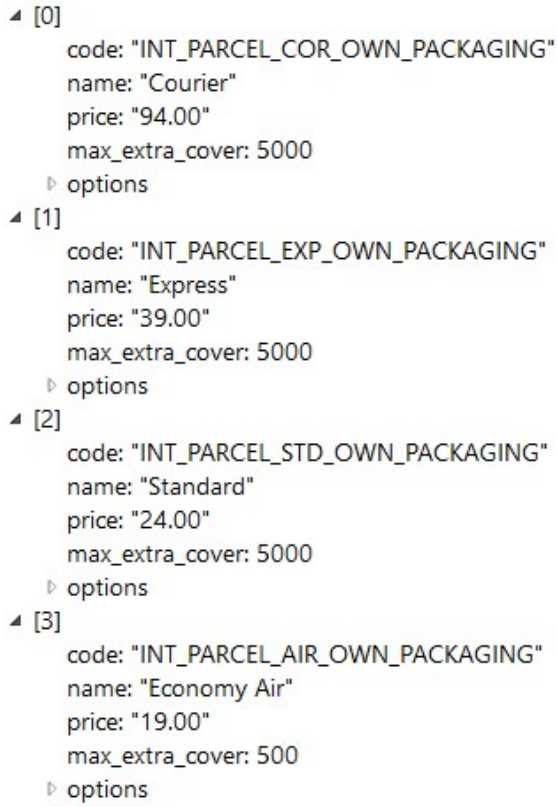
Australia Post - Regular Post Parcel
Australia Post - Regular Post Large (5Kg) Satchel
Australia Post - Regular Post Extra Large Satchel
Australia Post - Regular Post Extra Large Package
Australia Post - Express Post Parcel
Australia Post - Express Post Large (5Kg) Satchel
Australia Post - Express Post Extra Large Satchel
Australia Post - Express Post Extra Large Package

Additional Codes:
Australia Post - Regular Post Medium (3Kg) Satchel
Australia Post - Express Post Medium (3Kg) Satchel

Example of Shipping Options Data

(not currently used by plugin)



International Codes

(not currently re-coded used by plugin – default values used in display)