



Product Attribute Selector

Plugin Documentation

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Product Color Attribute Variant Selector Plugin

The Product Attribute Selector Plugin allows you to use extended the functionality of the Color Squares, Images Squares and Dropdown Product Attributes to include the ability to upload multiple images, add variants, group images **allowing for** selection by the customer.

Color Squares Attribute Selector

The default Color Squares functionality allows you to upload multiple photos and then allocate a color and photo to an attribute via the Color Squares selector. With this plugin you can now group the uploaded photos by color allowing one of two modes of operation:

1. Multiple Images can be displayed for each color in the color Squares selector
2. Built on option by allowing each image style to be selected as a different product

Option 1

The first option is used where you want to display different camera angle photos or views of the same product.

One example is for the Women's Pants product which has a 5 base colors with no variations in style for each color.

See the demo product <https://v43demo.selectsystems.com.au/items/women-pants>

The base colours are Red, Grey, Green, Orange and Black. When you click on the Red Color Square it displays three views of the product. For all other colors there are two views. You can display any number of images for each Color Square which can be used to view different angles or features or the product as well as select the product variant to add to cart for purchase.



Womens Pants

Stylish women's casual pants in various colors



[Be the first to review this product](#)

Availability: In stock

SKU: WomensPants

Size *

Color *



\$44.50

Please select the address you want to ship from ▾



In this example It does not matter which of the images you select as each refers to the same product when you add to cart.

Option 2

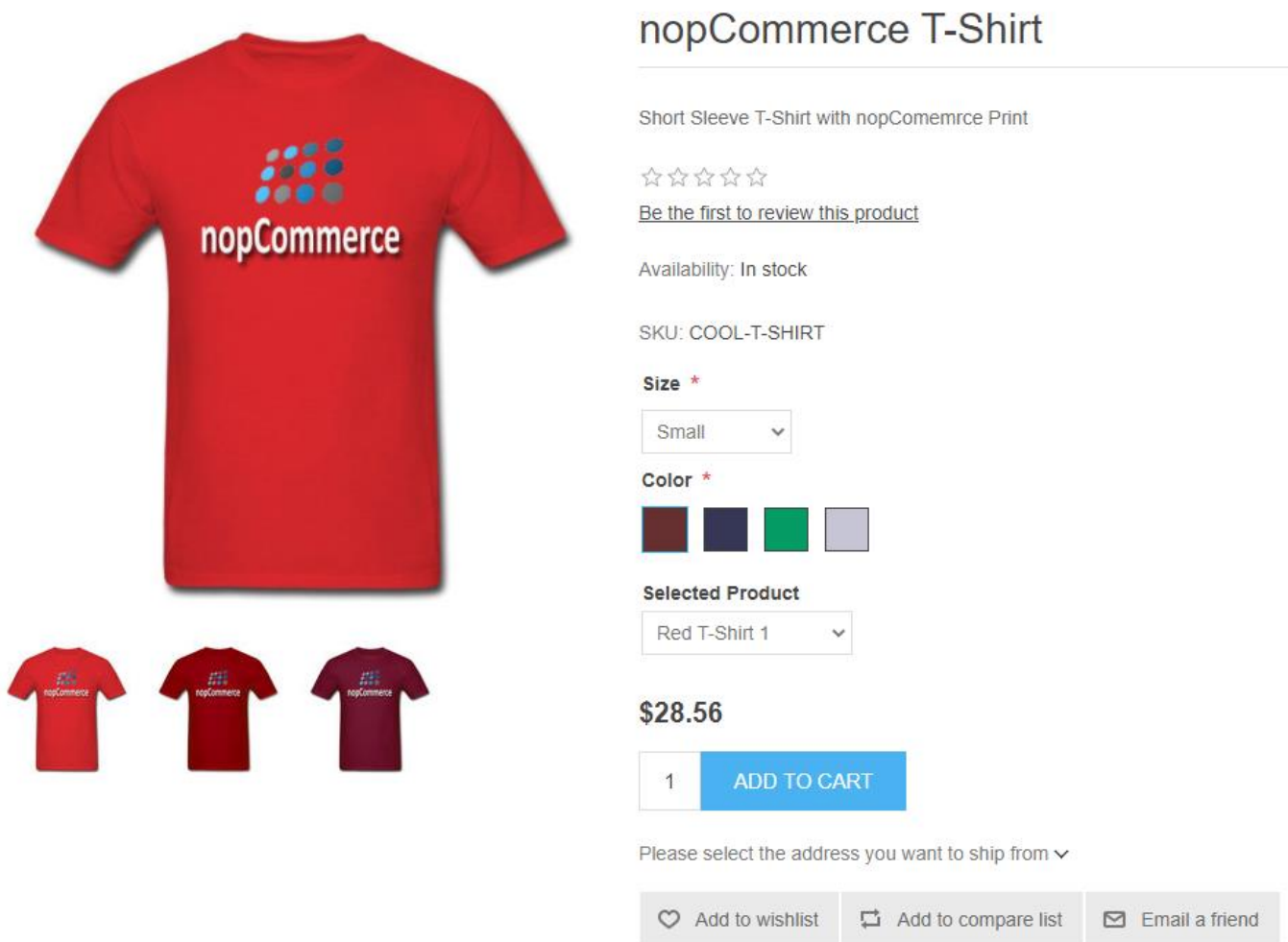
The second option allows you to display multiple images for each Color Square Attribute allowing the customer to select an image which then displays a larger version of that image. Using this mode allows the customer to select the product variant associated with the image and add that particular item to the cart.

One use is for garments which have a base color with a number of variations in style for each color.

See the demo product <https://v43demo.selectsystems.com.au/items/nopcommerce-t-shirt>

For example a T-Shirt might have 4 base colors i.e. Red, Blue, Green and Grey and then each color might have a number of variations as follows. The Red T-Shirt has three variants: Red, Dark Red and Burgundy. The same T-shirt type with a base color of Blue also comes with three variants being Navy Blue, Royal Blue and Blue. Similarly, for the Green T-Shirt which comes in Light Green, Green and Kiwi Green. The Grey style comes in Dark Grey, Grey and Light Grey

For example



nopCommerce T-Shirt

Short Sleeve T-Shirt with nopComemrce Print

☆☆☆☆

[Be the first to review this product](#)

Availability: In stock

SKU: COOL-T-SHIRT

Size *

Small

Color *

Selected Product

Red T-Shirt 1

\$28.56

1 **ADD TO CART**

Please select the address you want to ship from

[Add to wishlist](#) [Add to compare list](#) [Email a friend](#)

In this example defining all these combinations then allows the customer to select one of twelve different T-Shirts colors each which may have a different price when added to the cart.

In addition, you can use Attribute Combinations to setup and allocate a separate price, SKU and quantities available for each base color variant combination.

Image Squares Attribute Selector

The default Image Squares functionality allows you to upload photos which can be used to select a print or Style.

The Images Squares Attribute Selector allows you to combine the functionality of Images Squares with the functionality of Color Squares to allow the customer to select a style and color and then display a number of images for that combination which can be used to both view different angles or features of the product as well as select the product variant to add to cart for purchase.



Sports Shirts

Choose one of our great sports shirts

☆☆☆☆☆

[Be the first to review this product](#)

Availability: In stock

SKU: SportsShirts

Size *

Small ▾

Print *



Color *



€26.00000

1

ADD TO CART

♥ Add to wishlist

📄 Add to compare list

✉ Email a friend

See the demo product <https://v43demo.selectsystems.com.au/items/sports-shirt>

Dropdown Attribute Selector

The Dropdown Attribute Selector allows you select from a list of information. This plugin allows you to have one Dropdown to select a Grouping and then a second Dropdown to select the product option within that group.

The associated images will then be displayed for that combination which can be used to select the product variant to add to cart for purchase.



Sports Medals

Choose one of our beautiful sports medals

☆☆☆☆☆

[Be the first to review this product](#)

Availability: In stock

SKU: SportsMedals

Selected Group *

Tennis

Selected Product *

Tennis Medal 1

€26.00000

1

ADD TO CART



Add to wishlist



Add to compare list



Email a friend

See the demo product <https://v43demo.selectsystems.com.au/items/sports-medals>

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**.

Plugin Configuration

Please restart the application once a configure has been modified.

Sample Data will be installed when the system is enabled for All Stores.

Plugin Enabled ?

Configuration URL Pattern ?

items

Public Key ?

4a0b85f3-51ba-4163-b390-6sgfdgsgfgasd

Private Key ?

8b3NPzh9WjVTuX/cgRSUrkecdfghMvpA3LSApXKxuxmK8mrIMEMj5wWo1sWdfg

Save

To setup the plugin or define the options click the required function checkbox on the Configure button in the Menu.

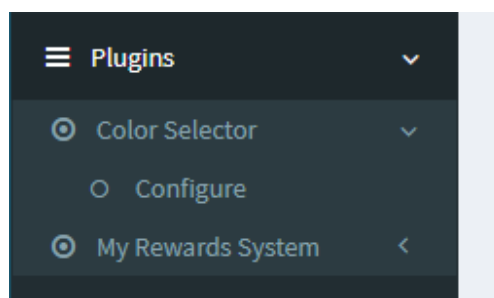
- Click the Enable Checkbox to Enable the Plugin Functionality
- The Configuration URL Pattern allows you to define a path for the products configured with the Color Select Template
 - o For example the current path will display products with the following URL
 - o <https://v43demo.selectsystems.com.au/items/cool-t-shirt>

You can change this to a different path prefix i.e. clothes or beer

- The Private and Public Keys are the access security for your plugin purchase. These key settings are configured when the plugin is Installed. Please take a screen shot of these settings or record them in case they are required at a later date.

Note: after saving the configuration please restart the application to ensure it is taken up.

Once the plugin is enabled then the menu option will be displayed if the Current User has Manage Plugin ACL Settings.



Product Templates and Demo Products

The Installation will setup three new Product Templates which is used to define which products. The three templates are called:


- Color Squares Selector
- Images Squares Selector
- Dropdown Selector

Select the respective template for the previously detailed product attribute selector functions:


Show on home page	<input checked="" type="checkbox"/>
Display order	0
Product type	Simple
Product template	Image Squares Selector


There are 4 Demo Products which are setup by the install



Demo Products


Sort by Position 



Filter by attributes


Color 






nopCommerce T-Shirt
☆☆☆☆☆
\$27.56
[ADD TO CART](#)  





Sports Medals
☆☆☆☆☆
\$25.00
[ADD TO CART](#)  



Sports Shirts
☆☆☆☆☆
\$25.00
[ADD TO CART](#)  







Womens Pants
☆☆☆☆☆
\$43.50
[ADD TO CART](#)  

Administration

Follow the standard nopCommerce configuration for setting up a product. Each of the test Products are setup with different configurations. The following shows the elements for one Deo Product called “nopCommerce T-Shirt”

Product Images

You can upload and number of product Images. The Following Images are installed for the Test Product which is called nopCommerce T-Shirt:

Picture	Display order	Alt	Title	Edit	Delete
	1	Red T-Shirt 1	Red T-Shirt 1	Edit	Delete
	1	Navy Blue T-Shirt 1	Navy Blue T-Shirt 1	Edit	Delete
	1	Dark Green T-Shirt 1	Dark Green T-Shirt 1	Edit	Delete
	1	Dark Grey T-Shirt 1	Dark Grey T-Shirt 1	Edit	Delete

Product Attributes

A number of Products Attributes are required to be setup so that the plugin can operate. Note this is similar and based on the nopCommerce Demo product “adidas Consortium Campus 80s Running Shoes” which use the default operation of the Color Squares attribute.

The following product attributes are required to be setup:

Attribute	Text prompt	Is Required	Control type	Display order	Validation rules	Condition	Edit
Size		✓	Drop-down list	1			Edit
Color		✓	Color squares	2			Edit
Selected Product	Selected Product	✗	Drop-down list	3			Edit

1 | Show 15 items | 1-3 of 3 items | [Refresh](#)

Size

Enter the size selection as follows:

Edit product attribute [back to product details](#) Save Save and Continue Edit Delete

i Info

Attribute

Standard English Persian French (Canada) Dutch (Netherlands)

Text prompt

Is Required

Control type

Display order

Values

Attribute value type	Name	Associated product	Price adjustment	Weight adjustment	Is pre-selected	Picture	Display order	Edit	Delete
Simple	Small		0	0	<input checked="" type="checkbox"/>		1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Simple	Medium		0	0	<input checked="" type="checkbox"/>		2	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Simple	Large		0	0	<input checked="" type="checkbox"/>		3	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Simple	Extra Large		0	0	<input checked="" type="checkbox"/>		4	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

1 Show 15 items 1-4 of 4 items

Color

Setup the Color Selector attribute:

Edit product attribute [back to product details](#) Save Save and Continue Edit Delete

i Info

Attribute

Standard English Persian French (Canada) Dutch (Netherlands)




Text prompt

Is Required

Control type

Display order

Values

Attribute value type	Name	Associated product	Price adjustment	Weight adjustment	Is pre-selected	Picture	Display order	Edit	Delete
Simple	Red - #663030		1	0	<input checked="" type="checkbox"/>		1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Simple	Navy Blue - #363656		4	0	<input checked="" type="checkbox"/>		1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Simple	Dark Green - #049c64		7	0	<input checked="" type="checkbox"/>		1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Add a new Attribute Variant

Attribute value type: Simple

Standard English Persian French (Canada) Dutch (Netherlands)

Name: Red *

RGB color: #663030

Price adjustment: 1.0000

Price adjustment. Use percentage:

Weight adjustment: 0.0000

Cost: 0.0000

Is pre-selected:

Display order: 1

Picture: No picture

Grouping

It is important to note that the Color Squares Attribute Selector uses the RGB Color to group like colored elements. Ensure you enter the same value for all items you want to be in the same group. For instance, all Red items need to have a Red Hex colour entered i.e. #663030.

Name: Red *

RGB color: #663030

Color selector interface showing a circular color wheel and a square color gradient.

You can change the color of the Color Squares selector to a different colored Red, or any color in fact. Just remember to take note of this color and enter the same value for all other photos or attributes you want in the same group.

Price Adjustment and Other Attributes

You can also enter a price adjustment, cost and display order for the variant.

Price adjustment ?	<input type="text" value="1.0000"/>	▲ ▼
Price adjustment. Use percentage ?	<input type="checkbox"/>	
Weight adjustment ?	<input type="text" value="0.0000"/>	▲ ▼
Cost ?	<input type="text" value="0.0000"/>	▲ ▼
Is pre-selected ?	<input checked="" type="checkbox"/>	
Display order ?	<input type="text" value="1"/>	▲ ▼

Select the Image

Select the image that will be displayed when this variant is selected.



Select Product

For the Color Squares Attribute Selector depending on which of the two modes of operation that were described above you want to use then you may need to setup the Select product attribute.

If you are using Option 1 then this attribute is not required.

If you want to use the second mode of operation Option 2, where selecting the images selects a different product variant you need to set up a "Selected Product" attribute.

Setup the attribute as follows

- Set the text prompt, for example "Selected Product"
- do not enter any values.

Edit product attribute [back to product details](#) Save Save and Continue Edit Delete

Info

Attribute ? Selected Product

Standard English Persian French (Canada) Dutch (Netherlands)

Text prompt ? Selected Product

Is Required ?

Control type ? Drop-down list

Display order ? 3

Values

Attribute value type	Name	Associated product	Price adjustment	Weight adjustment	Is pre-selected	Picture	Display order	Edit	Delete
No data available in table									

◀ ▶ Show 15 items No records Refresh

Add a new value

Attribute Combinations

Attribute Combinations allow you to define a different SKU, Quantities Available and other parameters for each variant attribute entered.

In the first instance it might be better not to enter an Attribute Combinations. These can be added at a later date after you have checked the first part of the setup for the product.

Setup Attribute Combinations

Inventory

Inventory method ? Track inventory by product attributes

Warehouse ? None

Display availability ?

Display stock quantity ?

Product availability range ? None

Minimum cart qty ? 1

Maximum cart qty ? 10000

Allowed quantities ?

Allow only existing attribute combinations ?

Not returnable ?

To setup the use of Attribute Combinations edit the product and under inventory.

- Select Track Inventory by Product Attributes
- Also consider the use of the other settings:
 - o Allow only existing attribute combinations

Enter Attribute Combinations

For each product variant where you want to enter a different SKU, Quantities Available or other parameters

You need to generate a separate variant attribute. Generating variant attributes can be done in two ways

- Generate all or
- Generate Several Combinations.

Product attributes are quantifiable or descriptive aspects of a product (such as, color). For example, if you were to create an attribute for color, with the values of blue, green, yellow, and so on, you may want to apply this attribute to shirts, which you sell in various colors (you can adjust a price or weight for any of existing attribute values). You can add attribute for your product using existing list of attributes, or if you need to create a new one go to Catalog > Attributes > Product attributes. Please notice that if you want to manage inventory by product attributes (e.g. 5 green shirts and 3 blue ones), then ensure that "Inventory method" is set to "Track inventory by product attributes".

Attributes | Attribute combinations

Note that some attribute control types that support custom user input (e.g. file upload, textboxes, date picker) are useless with attribute combinations

Attributes	Stock quantity	Allow out of stock	SKU	Manufacturer part number	GTIN	Overridden price	Notify admin for quantity below	Picture	Edit	Delete
No data available in table										

◀ ▶ Show 15 items No records ↻

Add combination Generate all possible combinations Generate several combinations

Generate All will generate a separate Color and size variant attribute for the full number of options so in the example above where there are 12 colors and 4 size sizes then clicking the generate all will make 48 combinations.

Note: setting up all these combinations will have an effect on the speed of the display of the page in the front end and should only be used where it is critical to keep track of inventory at this level.

Alternatively using the generate several combinations allows you to determine the size and color for each variant attribute that is to be generated.

For the second option the following page will be displayed.

Choose some attribute values to generate necessary combinations Generate

* - required attribute

Size *

Small

Medium

Large

Extra Large

Color *

Red

Navy Blue

Dark Green

Dark Grey

Dark Red

Royal Blue

Green

Grey

Burgundy

Blue

Kiwi Green

Light Grey

Determine the combination you wish to add by clicking on the checkboxes and then Click Generate, then the following Combination will be added:

Attributes Attribute combinations

Note that some attribute control types that support custom user input (e.g. file upload, textboxes, date picker) are useless with attribute combinations

Attributes	Stock quantity	Allow out of stock	SKU	Manufacturer part number	GTIN	Overridden price	Notify admin for quantity below	Picture	Edit	Delete
Size: Small Color: Red [+€ 1.00]	0	✘					1			

◀ 1 ▶ Show 15 items 1-1 of 1 items

[Add combination](#) [Generate all possible combinations](#) [Generate several combinations](#)

You can then edit that combination to setup specific values for this combination as follows:

Edit combination / nopCommerce administration - Google Chrome

v43demo.selectsystems.com.au/Admin/Product/ProductAttributeCombinationEditPopup/22?btnId=btnRefreshCombina...

Edit combination

[Save](#)

Size *

Color Red *

Navy Blue

Dark Green

Dark Grey

Dark Red

Royal Blue

Green

Grey

Burgundy

Blue

Kiwi Green

Light Grey

Selected Product

Stock quantity

Allow out of stock

SKU

Manufacturer part number

GTIN

Overridden price

Notify admin for quantity below

Picture No picture

Each combination represents a product variant where it has a can have

- separate SKU's
- quantities on sale
- other parameters as shown on the page

Export / Import

It is an involved process to carry out this task for all 48 combinations for the product. To simplify this process the plugin overrides the existing Product Import function to allow the update of Attribute Combinations.

After a product has been created and the Attribute Combinations setup then you can export the product.

Use the Product Export Function on the Catalogue > List Products Page to export the selected product.

See <https://docs.nopcommerce.com/en/running-your-store/catalog/products/import-export-products.html>

Productid	ProductType	ParentGroupedProductid	VisibleInd	Name	ShortDesc	FullDescr	Vendor	ProductTe	ShowOnH	DisplayOr	MetaKey	MetaDesc	MetaTitle	S
3491	Simple Pr		0	TRUE	Long Slee	Long Slee	<p>One of	Color Sele	TRUE	0				
		Attributeid	Attribute1	Attribute1	Attribute1	AttributeDisplayOr	ProductAt	ValueNan	Attribute1	Associate	ColorSqua	ImageSqu	P	
		8 Size		TRUE	Dropdowr		1	4636	Small	Simple	0		0	
		8 Size		TRUE	Dropdowr		1	4637	Medium	Simple	0		0	
		8 Size		TRUE	Dropdowr		1	4638	Large	Simple	0		0	
		8 Size		TRUE	Dropdowr		1	4639	Extra Larg	Simple	0		0	
		1 Color		TRUE	Color Squi		2	4640	Red	Simple	0	#663030	0	
		1 Color		TRUE	Color Squi		2	4643	Navy Blue	Simple	0	#363656	0	
		1 Color		TRUE	Color Squi		2	4646	Dark Gree	Simple	0	#049c64	0	
		1 Color		TRUE	Color Squi		2	4649	Dark Grey	Simple	0	#c5c5d5	0	
		1 Color		TRUE	Color Squi		2	4641	Dark Red	Simple	0	#663030	0	
		1 Color		TRUE	Color Squi		2	4644	Royal Blue	Simple	0	#363656	0	
		1 Color		TRUE	Color Squi		2	4647	Green	Simple	0	#049c64	0	
		1 Color		TRUE	Color Squi		2	4650	Grey	Simple	0	#c5c5d5	0	
		1 Color		TRUE	Color Squi		2	4642	Burgundy	Simple	0	#663030	0	
		1 Color		TRUE	Color Squi		2	4645	Blue	Simple	0	#363656	0	
		1 Color		TRUE	Color Squi		2	4648	Kiwi Gree	Simple	0	#049c64	0	
		1 Color		TRUE	Color Squi		2	4651	Light Grey	Simple	0	#c5c5d5	0	
		AttributeType	Specificat	CustomVa	Specificat	AllowFilte	ShowOnProductPa	DisplayOrder						
		Option			15	TRUE	FALSE	1						
		Option			16	TRUE	FALSE	2						
		Option			14	TRUE	FALSE	3						
		AttributesXml	Id	Productid	StockQuai	AllowOut	Sku	Manufact	Gtin	Override	NotifyAdr	PictureId		
		Size: Small Color: Light Grey [+12.00]	19	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Red [+1.00]	20	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Navy Blue [+4.00]	21	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Dark Green [+7.00]	22	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Dark Grey [+10.00]	23	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Dark Red [+2.00]	24	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Royal Blue [+5.00]	25	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Green [+8.00]	26	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Grey [+11.00]	27	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Burgundy [+3.00]	28	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Blue [+6.00]	29	3491	0	FALSE		0			0	1	0	
		Size: Small Color: Kiwi Green [+9.00]	30	3491	0	FALSE		0			0	1	0	
		Size: Medium Color: Red [+1.00]	31	3491	0	FALSE		0			0	1	0	
		Size: Medium Color: Navy Blue [+4.00]	32	3491	0	FALSE		0			0	1	0	

A line item will be created for each Attribute Combination

AttributesXml	Id	Productid	StockQuantity	AllowOutOfStockOrders	Sku	ManufacturerPartNumber	Gtin	OverriddenPrice	NotifyAdminForQuantityBelow	PictureId
Size: Small Color: Light Grey [+12.00]	19	3491	0	FALSE				0	0	1
Size: Small Color: Red [+1.00]	20	3491	0	FALSE				0	0	1

You can then proceed to enter values for each Variant Product as required:

Enter the value(s) for

- Stock Quantity
- Allow Out Of Stock Orders
- Sku
- Manufacturer Part Number
- Gtin
- Overridden Price
- Notify Admin For Quantity Below
- Picture Id (use the value from the above)

Note: you cannot create new attribute Combinations or change the mapping of existing Attribute Combinations using the function

Once the values have been updated you can then Import the File

Demo Websites

To view the plugin operation or refer to the demo website:

<http://v46demo.selectsystems.com.au/>

<http://v44demo.selectsystems.com.au/>

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