X-Configurator module

for X-Cart 3.5.x

User Manual

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User Manual

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General Information

X-Configurator (also known as **Product Configurator**) is a module for X-Cart which allows you to create and sell composite products or systems that can consist of many interchangeable or optional components (like computer systems, home cinemas, etc). It can also be used for creating sets of products (for example, suits, accessories sets, etc). The customer himself can define what components the "complex" product should consist of. The module ensures that the product will be in working condition when assembled: it enables you to define specifications and requirements for each component to avoid incompatibility between the components within one configurable product (for example, AMD motherboard is compatible with Athlon processors but incompatible with Intel Pentium).

X-Configurator is a perfect solution for web stores which are selling computers, software, mobile accessories, web hosting plans, etc. In any case, your customer gets a complete and functional set customized according to his preferences. If your store has cross-selling products, X-Configurator can be applied to enhance your customers' satisfaction and increase your sales.

Key features:
• Unlimited "complex" products
• Flexible configuration
• Compatibility rules for cross-selling products
• Types, modifications and properties for products
• Step-by-step product creation

X-SpecialOffers is a reliable up-to-date solution that can help your online business succeed in the competitive market of today.

More products of X-Cart family are available at http://www.x-cart.com/.

Installation

System Requirements

For successful installation and work of the module you need an already installed X-Cart 3.5.0 or later.

Installation

The process of installing the module X-Configurator is the same for X-Cart Gold and X-Cart Pro.

To install the module, take the following steps:

1. Download the module distributive from the *File area/Software distributives*. The file you need is named **x-pconf-x.y.z.tgz**, where **x**, **y** and **z** are the numbers of the module version (must be the same as the version of your X-Cart).

2. Uncompress the archive file **x-pconf-x.y.z.tgz** and copy the resulting files to the directory where your X-Cart is installed. The file **INSTALL.X-PCONF** provides instructions for installing the module.

3. Run in the browser the installation script:
   http://www.yourhost.com/xcart_dir/install-xpconf.php

   X-Configurator installation wizard will be launched.

4. Enter your authentication code, read the License Agreement and, if you accept the terms and conditions of the License Agreement, press the *Next* button.

   Note. The authentication code is issued on completion of X-Cart installation. It is used to prevent unauthorized re-installation of X-Cart. You also need to know this code to install any purchased X-Cart modules. If you do not remember your Auth code, you can look it up at any time in the file **include/install.php**.

5. The installation script will copy the files and make all the necessary changes in the database.

6. After the installation is completed you will get a message informing you of the completion of the installation process.

Go to the *Modules* section of X-Cart administrative zone and enable Product Configurator.

Managing configurable products (admin/provider zone)

Product Configurator menu

To start using X-Configurator, click on *Product Configurator* item of Products menu in X-Cart admin zone (X-Cart GOLD) or provider zone (X-Cart PRO). 'Product Configurator' page will be displayed.
It contains the Product Configurator menu:

When working on a particular configurable product in Product Configurator, the menu expands to include two more items: Modify product info and Manage Configuration Wizard.

The menu items are links: clicking on a link displays the corresponding module section below the menu. Further on we are going to take a closer look at each of the Product Configurator sections.

Getting info about Product Configurator

Clicking on *About Product Configurator* link displays general information about the module. This section gives you a basic idea of how the module works. It can be used for quick reference when you begin using X-Configurator. We quote the whole text of this section here for your convenience:

About Product Configurator

Product configurator is a module for X-Cart which allows you to create and sell combined products or systems that can consist of various components (like computer systems, home cinemas, air conditioning systems etc.), it can also be used for creating sets of products, for example, suits, skiing accessories, sets of golf clubs etc. to help a customer get a complete and functional set that is customized according to his preferences. When using a product configuration you can define of what components your combined product should consist, each component can be mandatory or optional. Besides, you can define specifications and requirements for each component to avoid incompatibility between some of the components.

Configurator Steps and Slots

Configurable product can be created through Product Configurator::Add Configurable Product menu so that it could appear in any category just as any other product. However, before this product can be added to shopping cart , a customer has to configure it - select from which components the product should be assembled. To set up a scenario for configuration process you need to use the Configuration Wizard. Using Manage Configuration Wizard menu you should create a number of steps, each step should have one or more slots for components. Let's suppose that you are going to sell custom configured computer systems, then for your configurable computer you can define the following steps:

Step 1: Select Case and monitor: containing slots for Computer Case and Monitor

Step 2: Select System configuration: containing slots for CPU, Motherboard, Memory units

Step 3: Select Storage devices: containing slots for Hard Drive, CD/DVD Drives

Step 4: Select Multimedia: containing slots for Video card, Sound card, Speakers

The number of steps and slots in each step is unlimited so you can configure a scenario that is suitable for your composite products. You can define some slots as optional so that a customer could leave them blank.

Product Types

When the necessary steps and slots are created you should define what products can fit in each slot. For this purpose you should use Product Types. For each slot you can define which Product Types can fit in this slot. First you should plan what product types are necessary for your purposes and set up product types in Define Product Types menu.

For example you can create a product type "LCD Monitors" to define that it will be used with Monitor slot for "Case and Monitor" step. Then you should go to Modify Product page for every model of the LCD monitors that you have in your shop and associate this product with "LCD Monitors" product type using Product

Classification section on Modify Product page. Then go to slot configuration dialog and define a new slot configuration rule, in this rule specify "LCD Monitors" as the target product type for this slot.

When a customer is selecting components for the slot only products that can fit in this slot will be available for selection.

Product Specifications

Each product type can have a list of specifications. Specifications are used in product configurator to avoid incompatible components in a configurable product. For each product type you can create a list of specifications and when assigning a product to some product type you can define what specifications from the list are attributable to this product. You can also define products of what product types and with what specifications are required for this product. To define product specifications and product requirements please go to Product Classification section on Modify Product page.

For example, you can create Product type Speakers and a speaker of model X that has only digital 5.1 input so it needs a sound card with digital 5.1 output, otherwise this component will not work. In product type "Sound Cards" you can create the following possible specifications: Stereo Analog output, Analog 5.1 output, Digital 5.1 output. If sound card supports Digital 5.1 output you should select this specification from the list on the Product Classification section on Modify Product page for this sound card. Now you should specify in the Product Classification section for the speakers X that this product requires a product the product type of which is "Sound Cards" with specification Digital 5.1 output.

Product requirements also affect the list of products that is displayed when a customer selects a product to be placed in a slot. For example if no speakers are selected, you can choose a sound card with any output for your computer. However, if you have already selected speakers that require Digital 5.1 output you will be able to choose only from sound cards that support this specification and vice versa.

Bundled Products

You may want to sell some products only as a part of a composite product. You can control this via Availability drop down on Modify Product page. When Available for Sale option is selected a product can be sold both as a part of a composite product and separately. When Bundled is selected a product can only be sold as a part of a composite product. When Disabled is selected the product is not available for sale.

Note: For complex configurable products you can create more advanced fitting rules: assigning several Product types to one slot, combining them with AND, OR logical operators, assigning one product to several product types. Each of the products can have its own product requirements.

Defining product types and specifications

Define product types link of the Product Configurator menu is used to access Product types section where you can define product types and specifications to use in your store.

To add a new product type, enter the desired product type name into the *Add new product type* field. Click on *Add/Update* button. The new product type will be added to the list above. Product types are sorted alphabetically, but for convenience you might wish to arrange them in a different order. This can be done by assigning a position number to each type. Enter the desired position number in the appropriate field of *Pos.* column, click on *Add/Updat*e. Types with greater numbers will be located closer to the end of the list. For long lists paging is provided. You can set the number of types you would like to be shown per page. Enter the number into the *Items per page* field and click on *Display* button.

Within each of the product types you can set up an unlimited number of product specifications. To add a new specification, enter the new specification name into the *New specification* field. Click on *Add/Update*. The order for the specifications to be displayed in can be set similarly to setting the order of product types: by entering the appropriate position numbers into the corresponding fields and clicking on *Add/Update*.

Product types

Items per page: 2   Display

Result pages: 1 2 3 4 5 6 7 8 9 10 11 ▶

Pos.	Product types		Specifications	
10	☐ Mobile Phone	10	☐ Ericsson T28 World	
		20	☐ Motorola M3682	
		30	☐ Motorola StarTAC ST7797	
			New specification:	
20	☐ Mobile Battery	10	☐ T28 Battery	
		20	☐ M3682 Battery	
		30	☐ ST7797 Battery	
			New specification:	

Add new product type:

To delete items please tick the appropriate checkboxes

Add/Update   Delete selected

Result pages: 1 2 3 4 5 6 7 8 9 10 11 ▶

Items per page: 2   Display

To delete an existing product type or specification select the check box corresponding to this product type or specification, and click on *Delete selected* button.

Classifying products

After the necessary product types and specifications have been created, products can be classified. This chapter explains how to:

- assign products to product types
- attribute specifications to products
- set product requirements

To classify a product you should use Product classification section of Modify Product page (the page displayed when you click on *Modify* button in Product Details section). If so far the product has not been assigned to any type, the section will look like this:

Assigning products to product types

The product can be assigned to a product type by selecting the necessary product type name from the drop-down list and clicking on *Apply* button. The product type to which the product is assigned appears in Product Classification section. Any product may be assigned to more than one product type.

If the product should not belong to a previously selected type any longer, you can delete this type by selecting the check box next to it and clicking on *Apply* button.

Attributing specifications to products

The field below the product type name displays all the specifications within this type (only if specifications were set up). To attribute a specification to the product, select the necessary specification from the list and click on *Apply*.

To select multiple specifications, press and hold Ctrl key.

Setting product requirements

To set requirements for the product, select the name of a product type required for this product from the drop-down list in the requirements area of the section. Click on *Apply*. The type will be added to the requirements list (you can set as many requirements for the product as you like). You can set more specific requirements by selecting a required specification within the required product type: select the necessary specification from the list below the required product type name, then click on *Apply*. To select multiple specifications, press and hold Ctrl key.

Product classification

☐ **Mobile Phone**

Specifications for the product:

    Ericsson T28 World
    Motorola M3682
    Motorila StarTAC ST7797

Requirements for the product:

☐ **Mobile Battery**

    T28 Battery
    M3682 Battery
    ST7797 Battery

☐ **Mobile Charger**

    T28 Charger
    M3682 Charger
    ST7797 Changer

☐ **Mobile Leather Case**

    T28 Leather Case
    M3682 Leather case
    ST7797 Leather Case

Add product type: [▼]

Notes:
- To delete items please tick the appropriate checkboxes.
- Hold Ctrl key to select multiple specifications.

Add product type: [▼]

[Apply]

To delete a requirement select its check box and click on *Apply*.

Importing/Exporting data

By clicking on *Import/Export data* link of the Product Configurator menu you can access the section that can be used to import/export product types and specifications. Clicking on *Import/Export product classifications* link at the top of this section gets you to the section where product classifications can be imported/exported.

Importing types and specifications

Before importing types and specifications choose the type of delimiter used in your CSV file from the drop-down list.

If your CSV file is located on the server, enter the absolute path to this file into the appropriate field.
If the file is stored on your local computer, click on *Browse* button to select the file to be uploaded onto the server. Click on *Import* button.

Product types section of your Product Configurator will be updated: new product types and specifications will be added to the list.

Exporting types and specifications

Export types & specifications

CSV delimiter:
Semicolon ▾

▶ Export

Types and specifications used in your store can be exported to a CSV format file. Select the desired type of delimiter to be used in the new CSV file, then click on *Export* button.

Importing product classifications

Import/Export product types & specifications (Go)

Import product classifications

Product Configurator supports import of product classifications from a CSV file that can be located on your computer or on the server where X-Cart is installed. The data contained in the CSV file should be in the following format:

Column 1	Column 2	Column 3	Column 4	Column 5
Product Key	Product type	Specification	Required product type	Required specification

Product key is a unique identificator of a product in the store and must be either **Product ID** or **Product code (SKU)**. If you are going to use SKU please make sure that you have this unique for each product.

Example of CSV file with semicolon as a delimiter and Product ID as a unique key:

```
165;Motherboards;Have socket 370;CPU Units;Socket 370
200;Mobile Phone;M3682;;
201;Mobile Phone;ST7797;;
17417;CPU Units;Socket A;CPU Coolers;Cooler for Socket A
17417;CPU Units;Socket A;Motherboards;Have socket A
17418;CPU Units;Socket 478;CPU Coolers;Cooler for Socket 478
17418;CPU Units;Socket 478;Motherboards;Have socket 478
17419;CPU Units;FCPGA2;CPU Coolers;Cooler for FCPGA2
17419;CPU Units;FCPGA2;Motherboards;Have FCPGA2
17420;CPU Units;FCPGA2;CPU Coolers;Cooler for FCPGA2
17420;CPU Units;FCPGA2;Motherboards;Have FCPGA2
17421;CPU Units;Socket A;CPU Coolers;Cooler for Socket A
17421;CPU Units;Socket A;Motherboards;Have socket A
17423;CPU Units;Socket A;CPU Coolers;Cooler for Socket A
17423;CPU Units;Socket A;Motherboards;Have socket A
17426;CPU Units;Socket A;CPU Coolers;Cooler for Socket A
```

Choose product key:
Product ID ▾
CSV delimiter:
Semicolon ▾
CSV file is located on the server (this should be an absolute path, for example: /u/svowl/public_html/eshop_3_5_x_dohtur):

CSV file for upload:
Обзор...

▶ Import

Before importing classifications choose the type of product key and the delimiter used in your CSV file from the drop-down lists.

If your CSV file is located on the server, enter the absolute path to this file into the appropriate field.
If the file is stored on your local computer, click on *Browse* button to select the file to be uploaded onto the server. Click on *Import* button. Product classifications will be updated.

Exporting classifications

Export product classifications

Choose product key:
Product ID

CSV delimiter:
Semicolon

▶ Export

Product classifications used in your store can be exported to a CSV format file. Select the desired type of product key and the delimiter to be used in the new CSV file, then click on *Export* button.

Adding configurable products

To create a new configurable product, click on *Add a configurable product* link in the Product Configurator menu. You will be transferred to the section where a new configurable product can be created. You will see that adding a configurable product to your store is pretty much like adding an ordinary product.

To add a configurable product:

1. Select an image for the product thumbnail (Click on *Change image*, the Image selection window will appear. You can use images located on the server, on your local computer, or on the Internet. Select the desired image file and click on *Apply)*. Please remember that the image will be saved only after you click on the *Submit changes* button in the lower part of the New configurable product section.

2. Choose the main category and other appropriate categories for the product, if it is necessary.

3. Choose the current status of your product from the drop-down list (either *Available for sale* or *Disabled*).

4. Enter the product SKU and title, the short and detailed descriptions.

5. Click on *Submit changes.* The configurable product will be created. As soon as the page reloads, you will find yourself in Modify Product page for this product and will be able to edit the product details, add international descriptions, define product options, add upselling links and upload detailed images. You do not have to complete all these sections at once, as you will be able to return to Modify Product page at any time later. (See topic Modifying configurable products info).

The configurable product price depends on the price of the product components and may be affected by the price modifiers which can be set up for any slot in Configuration Wizard (See topic Managing the Configuration Wizard). There are no fields in which you could enter the the quantity of the configurable product in stock and the low limit in stock. The quantity of the product available for sale depends only on the quantity and low limit of the product components and will be defined automatically.

Searching for configurable products

'Search products' is the section displayed below the Product Configurator menu when you open the 'Product Configurator' page for the first time. If needed, this section can be accessed at any time later on by clicking on the *Search for configurable products* link. This section allows you to search for configurable products in your store.

Use the provided search form to specify the parameters relevant to your search. The product number and title can be copied or typed in manually into the corresponding fields. Product status can be specified by selecting the necessary value from the drop-down list (*All products*, *Configurable only*, *Bundled only*). Another drop-down can be used to specify the category in which you would like the search to be conducted (Selecting *All* means that all the categories will be searched). If you want to search in subcategories, select the corresponding check box. If you want to search only for products not assigned to any product types, select the *Not assigned to any product types* box. If you know that the product is assigned to a particular product type or several types, you should select the appropriate product type from the *Assigned to product types* box. To select multiple types press and hold Ctrl key while selecting the appropriate types with your mouse. To unselect a product type hold Ctrl key and click on the type that you would like to unselect. To initiate the search, click on the *Search* button.

Search results are displayed in the 'Search results' section below the search form.

For each of the found products the 'Search results' section outputs the found product ID and title. If a product is configurable or bundled, it will be shown in the *Status* column. *Assigned types* column displays information regarding how many product types the product is assigned to. Paging is provided for more convenient navigation in cases when the list of results delivered by the search engine is too long. You can define the number of products per page and the maximum number of navigation pages through the Administration menu of the Admin zone (*General Settings/Appearance Options*).

Operating search results

To view the details of a product:

1) Select the radio button of the desired product, then click on the *Details* button, *or*

2) Click on the product title link

To modify the details of a product:

1) (for all products) Select the radio button of the desired product, then click on the *Modify* button

2) (for bundled products) Click on the *Bundled* link of the product

To clone a product:

Select the radio button of the desired product, then click on the *Clone* button.

Cloning a product creates an exact copy of the product in the database (a new product with all the options of the initial product). You can modify the details of the 'clone' product and save the changes. It is a very convenient way of creating similar products.

To delete a product:

Select the radio button of the desired product, then click on the *Delete* button (you will need to confirm the to deletion).

To change Configuration Wizard settings for a configurable product:

Click on the *Configurable* link.

Modifying configurable products info

You can modify the details of your configurable products to keep your store up to date. Furthermore, you can add options to configurable products such as detailed images, international descriptions, reviews, etc.

This chapter explains how to:

- modify the details of a configurable product
- add and remove international descriptions
- add and remove product options
- add and remove up-selling links
- add and remove detailed images
- edit reviews

Modifying the details of a configurable product

1. Search for the product you would like to modify.

2. In the Search results select the radio button of the desired product, then click on the *Modify* button. Modify Product page will be opened.

My mobile phone #17512

Manage Configuration Wizard (Go)

Product thumbnail

Thumbnail
(recommended size
50×50-150×150)

[Change image]   [Delete image]

Classification

Main category	Electronics
Category #1	Undefined
Category #2	Undefined
Category #3	Undefined
Availability	Available for sale

Details

SKU	
Product name	My mobile phone
Description*	Ideal for a gift

3. Change the product details you want and click on *Submit changes*.

Adding and removing international descriptions

You can add product descriptions in other languages, for example if your product is intended for a certain market.

1. Open Modify Product page.

2. Scroll down to the International descriptions section.

3. Choose a language from the drop-down list.

4. Enter the product title, the description and the full product description in the text fields.

5. Click on *Apply*.

6. Repeat steps 3-5 to add descriptions in other languages.

If you want to delete a description, click on *Delete* next to the description you want to delete.

Adding and removing product options

You can set additional options for a product if you want your customer to choose color, size, packing, etc. You can list options in the Options list for your customer to choose, or let the customer type in the appropriate information himself.

1. Open Modify Product page.

2. Scroll down to the Product options section.

3. Enter the title of the option class in the Option class field.

4. Enter the option description for your customer in the Option text field.

5. If the product already has one or more options, enter the position number for the option.

6. Do one of the following:
    • Enter the options in the Option list field, *or*
    • Leave the Option list empty. In this case the customer will be able to type custom information into the text field that appears on the customer front end.

7. Click on Apply.

If selecting different options should affect the price of the product, the symbols "=", "+" or "-" can be used in the Options list. Also you can use "%".

Example:

In this example if a customer chooses the red color, the price of the product will be discounted by 4%. Reversely, there will be a $5 mark-up if he chooses blue.

If any of the product options or option combinations is not available, you can define it by using Exceptions.

Example:

This exception means that a customer will not be able to order a product that has blue color and size XL (although he will be able to order this product of other sizes in blue).

If a customer attempts to select an unavailable combination of options, a warning message will be displayed:

If you want a more substantial message to be displayed to your customers, you can use Product options validation section to create a JavaScript notification.

Example:

If you fill out the Product options form like this:

the following message will be displayed when a customer chooses green or red color:
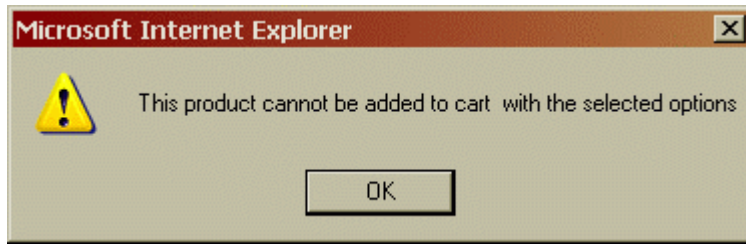
Note. Please carefully follow the example to avoid JavaScript errors on the storefront.

To delete an option or an exception, click on *Delete* next to the option or the exception you want to delete.

Adding and removing up-selling links

You can link a product with other products and suggest that your customers view similar products in your store. Up-selling links will be listed when the customer views product details page.

1. Open Modify Product page.

2. Scroll down to the Up-selling links section.

3. Click on *Browse*, the Select product window will be opened.

4. Choose a category and click on *Show products*. All the products of the chosen category will be displayed.

5. Choose a product from the list and click on *Select*.

6. Click on *Apply*.

7. Repeat steps 3-6 to add more links.
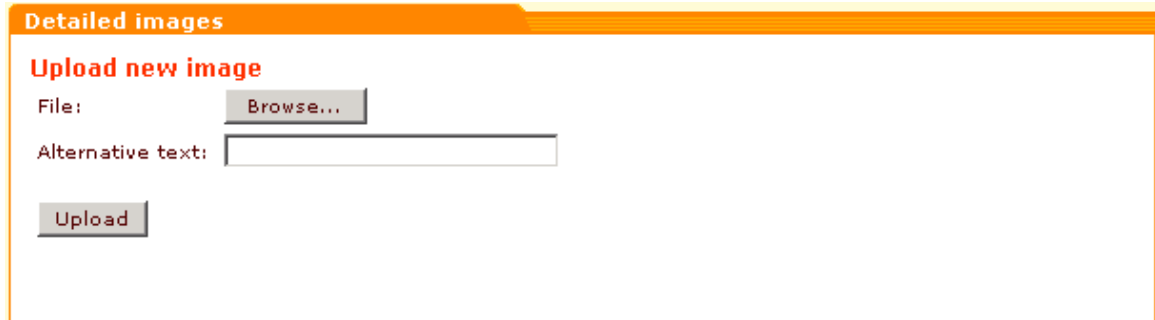
Note: To link two products with each other select the Bidirectional link check box.

To remove a link, click *Delete* next to the link you want to delete.

Adding and removing detailed images

You can add detailed product images to present it better in the Product Detailed View. Images will be shown under the product description and options.

1. Open Modify Product page.

2. Scroll down to the Detailed images section.
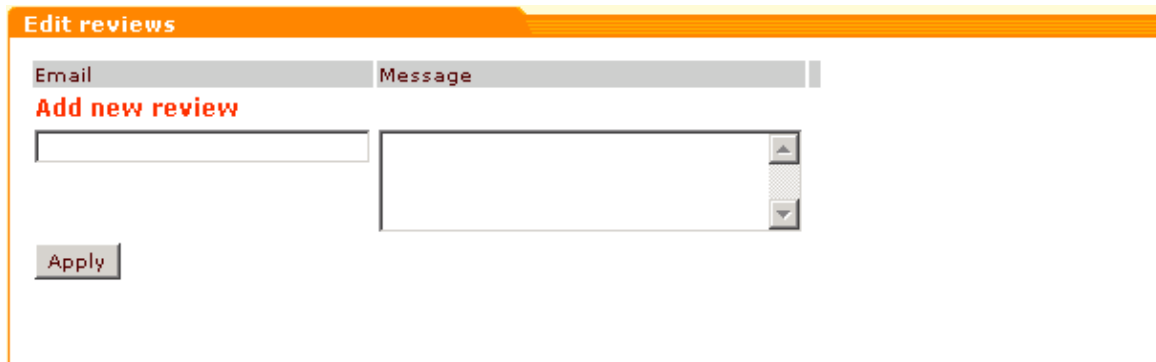
3. Click on *Browse*, the Select file window will appear.

4. Select the image from the Image selection dialog and click on *Apply*.

5. After the product page reloads enter the alternative text in the text field.

6. Click *Upload*.

7. Repeat steps 3-6 to add more images.

If you want to remove an image, click *Delete* next to the image you want to delete.

Editing reviews

You can edit or delete customer reviews to prevent abuse.

1. Open Modify Product page.

2. Scroll down to the Edit reviews section.

3. Edit the text in the review field.

4. Click on *Apply*.

If you want to delete a review, click on *Delete* next to the review you want to delete.

Managing the Configuration Wizard

After a new configurable product has been added to your store, you will need to create the necessary Configuration Wizard steps for your customers to be able to configure it. To configure the wizard steps for a product go to Configuration Wizard Management page (The same page is used to make changes to the already existing configuration steps).

To access Configuration Wizard Management page do one of the following:

1) Search for the necessary configurable product, click on the *Configurable* link next to it in the Search results section.

2) Being on the configurable product Modify Product page, click *Manage Configuration Wizard* link (it appears in Product Configurator menu when you are working with the details of a particular configurable product).

To begin with, enter the names for the Configuration Wizard steps through the Add new step form. For each of the steps type the step name into the appropriate field, then click on *Add step* button. The added step names will be displayed above the Add new step section in the Wizard steps list.

If needed, you can change the order of the Wizard steps: specify the position for each step by entering the position number for it and click on *Update.* The greater the step position number is, the closer to the end of the Configuration Wizard the step will be. To delete a step select the check box corresponding to this step and click on *Delete selected* button.

As soon as you add the name for the first step, Wizard: Step 1 details section will be displayed below.

To edit the details of some other step, click on the step name link in the Wizard steps list.

The Step details section enables you to edit the name, the description and the position number of the step and to add slots to it. First, select a language to be used as current from the drop-down list. To change the step name and description, enter the desired text into the appropriate fields and click on *Update*. To change the position number of the step enter the new number into *Order by* field and click on *Update.* New slots can be added to the step through Add new slot section. To add a slot type the slot name into the appropriate field, then click on *Add slot* button. The added slot names will be displayed above the Add new slot section in the Slots list. You can change the order of the slots: specify the position for each slot by entering the position number for it and click on *Update*. The greater the slot position number is, the closer to the end of the Configuration Wizard step the slot will be. To delete a slot select the check box corresponding to this slot and click on *Delete selected* button. For each of the slots you should specify the slot status. Choose *Optional*, *Mandatory* or *Disabled* from the drop-down list.

To configure a slot click on the slot name link. The section you will be transferred to makes it possible to edit the details of the chosen slot (the slot name, description, status, position number), to move the slot to another step, to make slot rules and to define price modifiers for the slot. First, select a language to be used as current from the drop-down list. To change the slot name and description, enter the desired text into the appropriate fields and click on *Update*. To change the position number of the slot enter the new number into *Order by* field and click on *Update*. To move the slot to some other step, select the name of the desired destination step from the drop-down list and click on *Update*.

Slot rules section enables you to establish slot rules. That is to define the products of which product types can fit in this slot. To add a rule, select the allowable product type name from the list, then click on *Add rule*. More than one product type can be made allowable. To select multiple types press and hold Ctrl key while selecting. To delete a rule select the check box next to it, then click on *Delete selected* button.

Slot rules

This slot can contain the following product types:

☐ 1. Mobile Phone

Note: To delete items please tick the appropriate checkboxes.

[Delete selected]

Add allowable product type(s) for this slot:

```
Cases
CD&DVD drives
CPU Coolers
Keyboards
Memory chips
Mices
Mobile Antenna Booster
Mobile Battery
```

Note: Hold Ctrl key to select multiple types.

[Add rule]

Price modifiers section enables you to define price modifiers for the slot. Price modifiers can be applied if you want to change in some way the price of a product that will be placed in this slot. For example, you might want a discount or a mark-up to be applied. Positive value should be used for mark-up, negative value – for discount. To set a price modifier first enter its value into the appropriate field. Choose from the drop-down list if the value should be measured in percent or be absolute. Select the membership level to which the price modifier should be applied by choosing it from the drop-down list. Click on *Add/Update* button. To delete a price modifier select the check box next to it, then click on *Delete selected* button.

Price modifiers

Here you can define the price modifiers for this slot. Positive value should be used for mark-up, negative value - for discount.

✔	Value	Type	Membership
☐	3.00	Percent (%)	All

Add new modifier:

		Percent (%)	All

Note: To delete items please tick the appropriate checkboxes.

[Add/Update]   [Delete selected]

Ordering configurable products (customer zone)

Using the Configuration Wizard

When a configurable product is selected by a customer, the customer is prompted to configure it.

Product Configuration Wizard is launched. It enables the customer to select what components his final complex product should consist of.

In the Configuration Wizard the components of the final product should be placed in the appropriate slots of the configurable product. Each slot involves a selection of product components of a specific type. Slots can be mandatory or optional. Mandatory slots are marked by the "Required" sign. All the mandatory slots at each Configuration Wizard step must be filled before the customer can go to the next step (*Continue* button does not appear until all the "Required" slots are filled). Optional slots can be filled or left blank.

Configuration Wizard presents a configurable product in the form of a vertical table. The row titles are slot names. The customer's task is to choose the components he wants and place them in the appropriate slot cells.

Before the component is placed in a cell, a *Select* button is displayed in it. Clicking on it displays the list of products (in the ordinary X-cart format) which can fit in this slot.

The customer is supposed to choose a product from the list and click *Add to configuration* button.

After adding the product component to the configuration the customer returns to the Configuration Wizard table. The name, the thumbnail picture and the price of the selected component appear in the slot cell. The *Select* button is removed, two new buttons – *Change* and *Delete* – appear in the lower part of the cell. These can be used to change the component or to remove it from the cell.

Now the customer can proceed with selecting product components for the other slots. The combinability of the component selected affects the choice of product components offered by the Configuration Wizard for the other slots.

As soon as the desired product configuration is selected, the Configuration Wizard outputs the summary page. This page displays the whole list of product components selected with the help of the Configuration Wizard. The list is grouped according to the Configuration Wizard steps. For each slot you can see the name of the product placed in it, the product thumbnail picture and price. Total product cost is displayed below the components list.

By clicking on the product name link you can view the details of a product component (product details will be displayed in a new window in the ordinary X-Cart format). If you would like to return to a particular Configuration Wizard step and select another product for a slot, click on the [Modify] link next to the name of this step.

Options section allows you to specify how many configurable products of this kind you would like to order, and to define the values of other product options if any.

Options

Choose color [Black   ▼]

Quantity   [1   ]

The maximum quantity of the product should not exceed 5

[Go Back]   [Reset]   [Add to cart]

Product Configurator automatically counts the maximum number of complex products of the chosen configuration that can be ordered. A warning below the quantity field tells you how many products you will be able to order at the most. If, all the same, you will attempt to order a quantity of the product exceeding the quantity available, an error message will be displayed.

Error! Cannot add the product to cart because the entered quantity exceeds the quantity available for sale for one or more products in slots.

At the bottom of the summary page there are three buttons. Clicking on the *Go back* button takes you back to the previous Configuration Wizard step. *Reset* button discards the selected configuration, allowing you to go through all the steps of the Configuration Wizard again from the very beginning. *Add to cart* button adds the configured product to cart.

The configured product is placed in the shopping cart as one object. By clicking the *Reconfigure* button the customer can go back to Configuration Wizard and reconfigure the product.

Appendix

Here is a list of files included into the module:

```
INSTALL.X-PCONF
install-xpconf.php

customer/…
pconf.php

modules/Product_Configurator/…
config.php
pconf_classification.php
pconf_customer_cart.php
pconf_customer_price_modifier.php
pconf_customer_product.php
pconf_customer_step.php
pconf_customer_wishlist.php
pconf_import_types.php
pconf_search.php
pconf_slot_modify.php
pconf_types.php
pconf_wizard_modify.php
product.php
product_modify.php

provider/…
pconf.php

skin1_original/modules/Product_Configurator/…
pconf_classification.tpl
pconf_common.tpl
pconf_customer_cart.tpl
pconf_customer_product.tpl
pconf_customer_step.tpl
pconf_customer_summary.tpl
pconf_help.tpl
pconf_import_classes.tpl
pconf_import_types.tpl
pconf_menu_provider.tpl
pconf_order_info.tpl
pconf_search.tpl
pconf_slot_modify.tpl
pconf_top.tpl
pconf_types.tpl
product.tpl
pconf_wizard_modify.tpl
product_modify.tpl
products.tpl
products_t.tpl

sql/…
x-pconf.sql
x-pconf_remove.sql
```

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