



PriceLabel 8

User Guide

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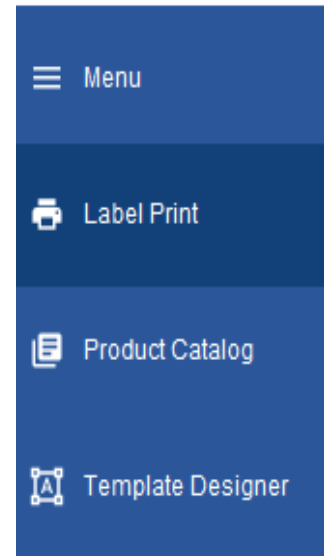
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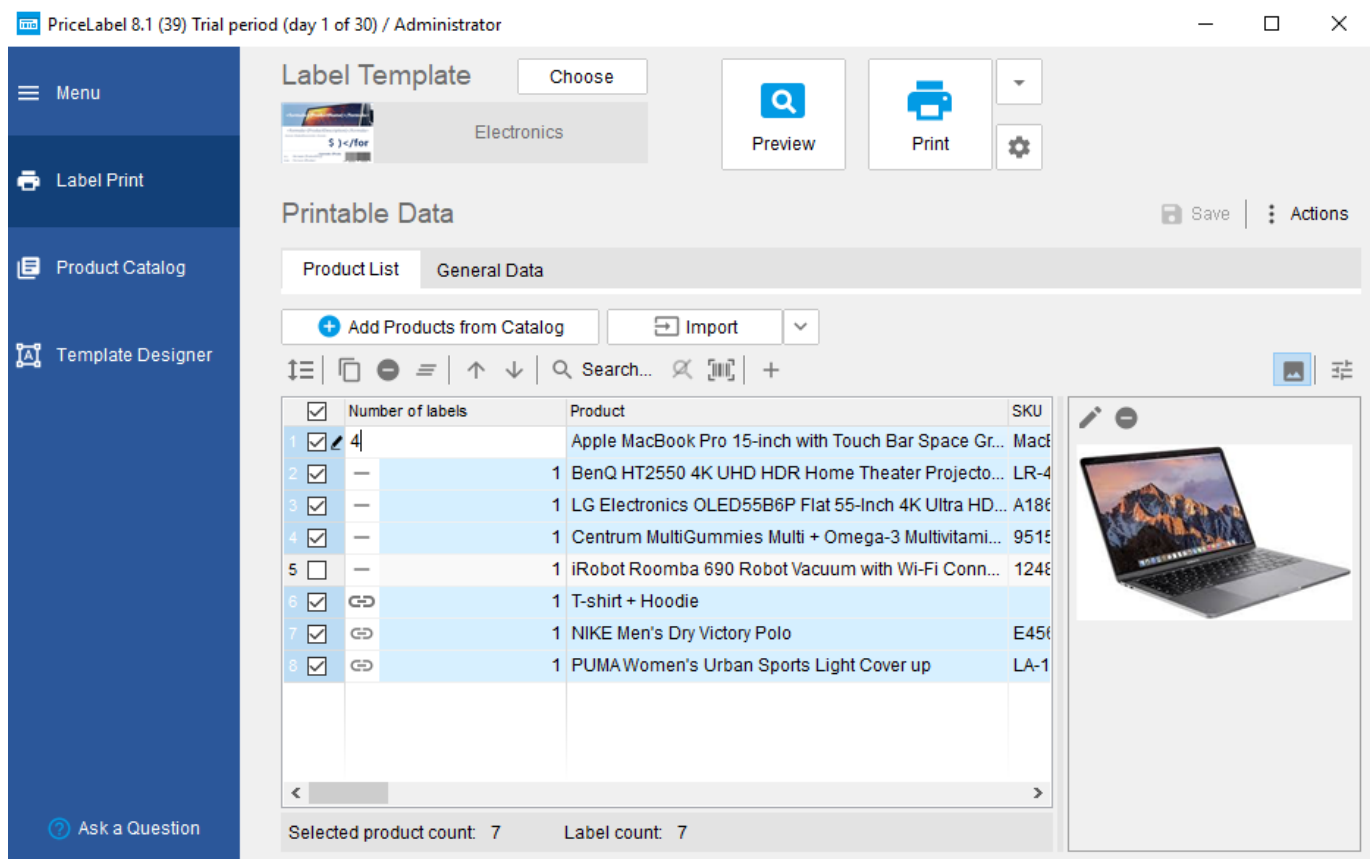
2 Interface Overview

Main sections of the program:

- **Menu:** entry to the main program menu (settings, catalogs, help, language, etc.)
- **Label Print:** label printing section
- **Product Catalog:** section for working with products in the program database (adding, import, change of parameters of products, etc.)
- **Template Designer:** run the label templates editor (create templates, modify existing ones)



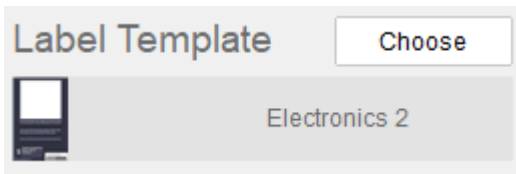
2.1 Section Label Print



The section is intended for printing labels, price tags, etc.

2.1.1 Label Template

When printing labels, the selected label template will be used. To select a template, click the **Choose** button.



If a different template is specified for the product, then this template will be used for printing:

| | Number of Labels | Template | Barcode |
|---------------------------------------|------------------|-------------------------|---------------|
| 1 <input checked="" type="checkbox"/> | 4 | Discount - Yellow-black | 2000243723955 |
| 2 <input checked="" type="checkbox"/> | 2 | | 4607021709910 |
| 3 <input checked="" type="checkbox"/> | 3 | | 2000951160073 |

2.1.2 Printable Data

Printable Data is a list of products for which labels will be printed, as well as data common to all labels.

2.1.2.1 Product List

This is a table with products and product parameters, such as prices, barcodes, SKUs, discounts, units, etc.

| <input checked="" type="checkbox"/> | Number of labels | Product | SKU | Code | Caption |
|---------------------------------------|------------------|--|----------------|------|---------------------|
| 1 <input checked="" type="checkbox"/> | — | 4 Apple MacBook Pro 15-inch with Touch Bar Space Gr... | MacBookPro14,3 | 413 | It's razor thin, fe |
| 2 <input checked="" type="checkbox"/> | — | 1 BenQ HT2550 4K UHD HDR Home Theater Projecto... | LR-4161861 | 95 | Theater-Like Irr |
| 3 <input checked="" type="checkbox"/> | — | 1 LG Electronics OLED55B6P Flat 55-Inch 4K Ultra HD... | A186416 | 562 | Enjoy brilliant b |
| 4 <input checked="" type="checkbox"/> | — | 1 Centrum MultiGummies Multi + Omega-3 Multivitami... | 95151F | 76 | Supports a hea |
| 5 <input type="checkbox"/> | — | 1 iRobot Roomba 690 Robot Vacuum with Wi-Fi Conn... | 124846 | 63 | The Wi-Fi® con |
| 6 <input checked="" type="checkbox"/> | | 1 T-shirt + Hoodie | | | |
| 7 <input checked="" type="checkbox"/> | | 1 NIKE Men's Dry Victory Polo | E45615 | 236 | |
| 8 <input checked="" type="checkbox"/> | | 1 PUMA Women's Urban Sports Light Cover up | LA-11719 | 5415 | The best worko |

For each product in the list, you can specify the number of labels to be printed.





The product can be a single item , the main item in the bundle , or not main item in the bundle .

2.1.2.2 Product List Command Panel

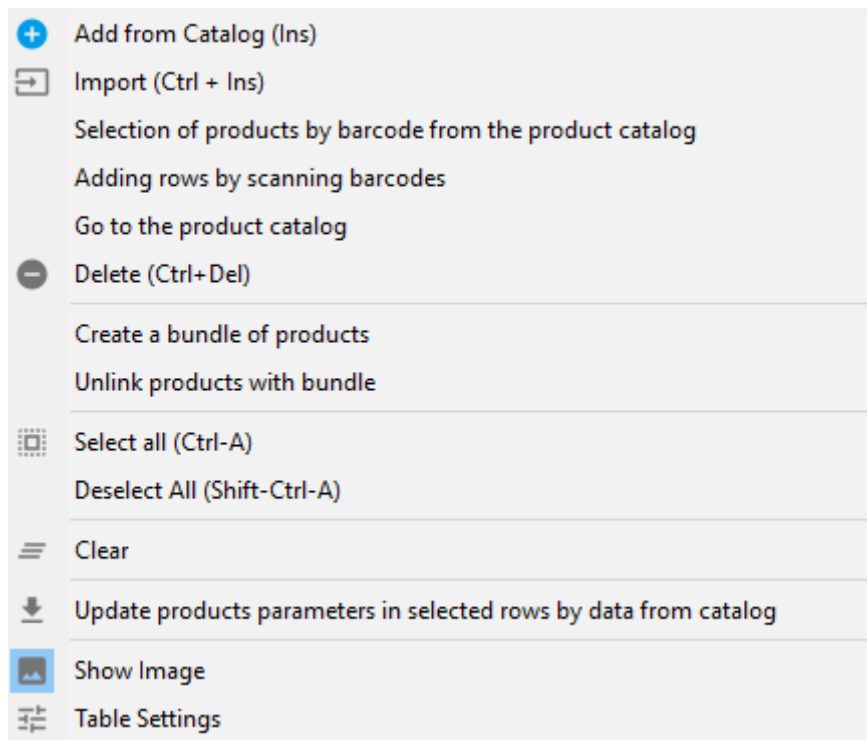
The command panel allows you to perform various actions for a product or a group of selected products.






- : setting the number of labels to be printed
- : copying lines (creating new lines by copying existing ones)
- : deleting rows
- : clearing the list
- : moving higher in the list

-  : moving lower in the list
-  **Search**: search by various parameters of products
-  : cancel search
-  : search / add products by barcode


2.1.2.3 Product List Context Menu



2.1.2.4 Product image

In this area, the product image is displayed. You can add  / replace , and also delete  the product image.










Showing / hiding the image of the products is possible via button 

2.1.2.5 Button *Table Settings*

The **Table Settings** button is used to show the [Table Settings](#) form.

2.1.2.6 General Data

These are data that are the same for all printed labels. Information input into this section will be applied to all labels. For example, this is the name of the organization, the warehouse, the current date, the specified date, etc.

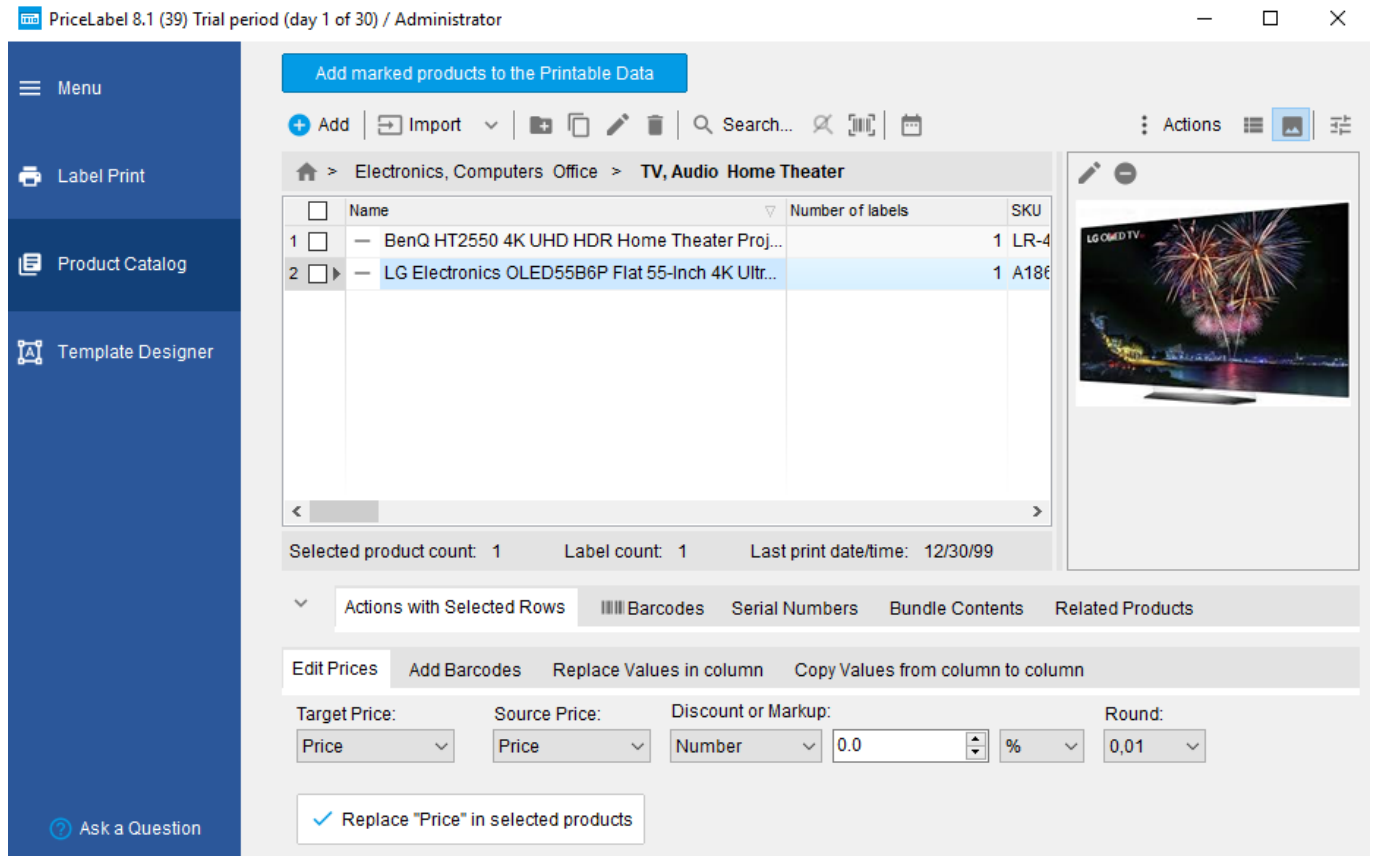
| Product List | General Data |
|--------------|---|
| Date: | <input type="text" value="3/28/18"/>  <input type="text" value="0:56:11"/>   # <input type="text" value=""/> |
| Company: | <input type="text" value="PricePrint"/>  |
| Store: | <input type="text" value="Main"/>  |
| Partner: | <input type="text" value="Partner"/>  |
| Note: | <input type="text"/> |
| Type: | <input type="text" value="Price list"/>  |

2.1.2.7 Menu *Actions*

The **Actions** menu is designed to export a list of products.

| Actions |
|----------------------|
| Export to Excel, ODF |
| Export to JSON |

2.2 Section *Product Catalog*





The section is designed to work with products that are stored in the internal database of the program.

2.2.1 Product List

This is a table with products and product parameters, such as prices, barcodes, SKUs, discounts, units, etc.

The products can be placed in folders . The level of nesting of folders is not limited.

Items can be in the normal state  LG Electronics OLED55B6P Flat 55-In... A186416 or marked for deletion  LG Electronics OLED55B6P Flat 55-In... A186416. The same applies to folders.

Direct deletion of products from the database has been replaced with a deletion mark. Marking to delete allows you to mark unnecessary products and folders for further removal from the program database. A deletion mark can be canceled / set at any time.

Items marked for deletion can be deleted from the program database via the main menu of the program, *Delete Marked Objects*.

2.2.1.1 Button for adding products to *Printable Data*



Adds selected products / product groups to the [Product List](#) from *Printable Data*.

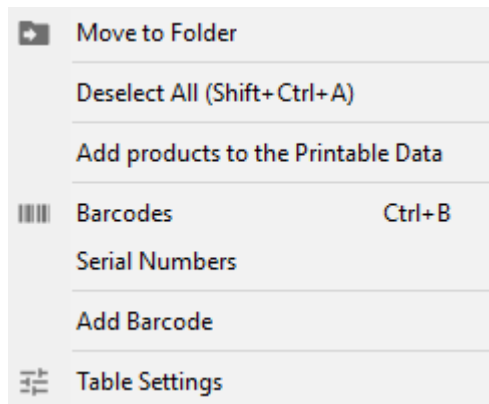
2.2.1.2 Command Panel

The command panel allows you to perform various actions for a product or a group of selected products.






- **Add**: adding a new product
- **Import**: import of products from an external data source (file, clipboard, database, etc.). How to import data, see [Data Importing](#).
- **+**: adding a new folder for products
- **📄**: copying of product (creating a new product by copying an existing one)
- **✎**: change of product / folder
- **🗑**: marking for deletion of product / folders
- **🔍** **Search**: search by various parameters of products
- **🔍**: cancel search
- **📊**: search by product barcode
- **📅**: search for products changed after a certain date

2.2.1.3 Context menu



- **Move to Folder**: moves the selected products / product groups to the selected folder.
- **Add products to the Printable Data**: adds selected products / product groups to the [Product List](#) from *Printable Data*.
- **Barcodes**: opens the form of the subordinate catalog *Barcodes* for the selected product
- **Serial Numbers**: opens the form of the *Serial Numbers* subordinate catalog for the selected product
- **Add Barcode**: adds a barcode to the selected products / product groups using the settings from the [Add barcodes](#) section

2.2.1.4 Product image

In this area, the product image is displayed. You can add  / replace , and also delete  the product image.



2.2.1.5 Button *Table Settings*

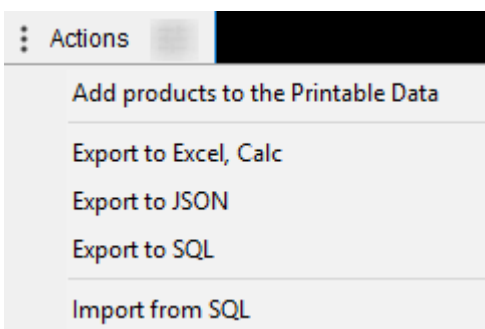
The **Table Settings** button is used to show the [Table Settings](#) form.

2.2.1.6 Button *List view*

When the button is pressed, the products will be displayed in the form of a continuous list without folders.

2.2.1.7 Menu *Actions*

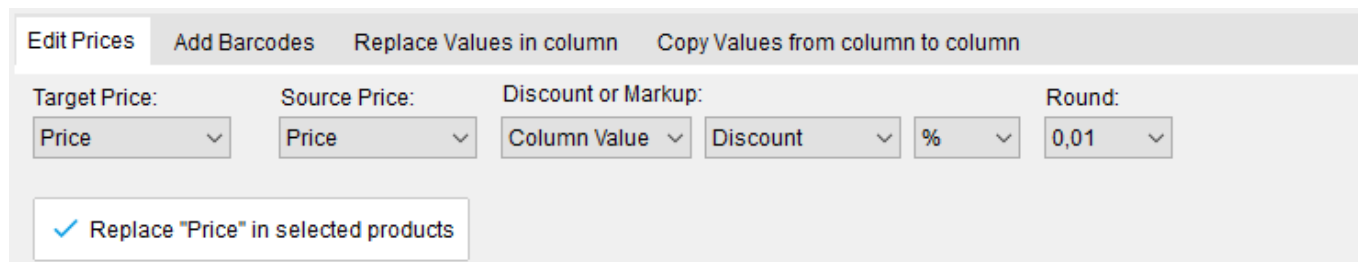
The **Actions** menu is intended for exporting products to a file and adding selected items to *Printable Data*



2.2.2 Operations on selected lines (products and groups of products)

In this section, mass operations are carried out on the selected products / groups of products.

2.2.2.1 Edit Prices

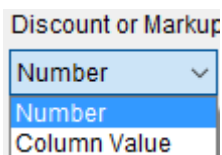


The section is intended for setting / changing the prices of products.

Prices of products can be formed on the basis of the same prices or other prices.

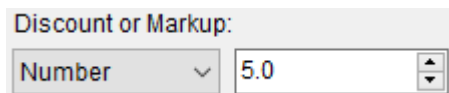
Prices are changed by adding / subtracting a percentage or specified value to the selected base.

- **Target Price:** the price to be set / changed.
- **Source Price:** the basis from which the price will be established.
- **Discount or Markup:**
 - Source of markup / discount

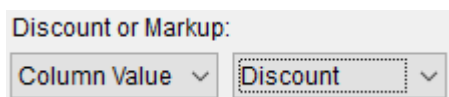


This can be a manually set numeric value or data from another column (if it contains numeric data).

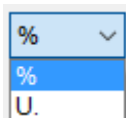
- **Number:** markup / discount in the form of a numerical value. A positive is an markup, a negative is a discount:



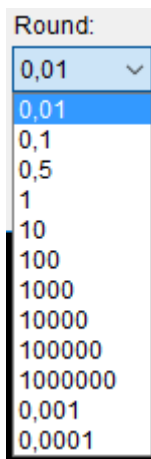
- **Column Value:** the name of the column serving as a source of markup / discount:



- There will be an markup / discount in the form of a percentage or a certain value:

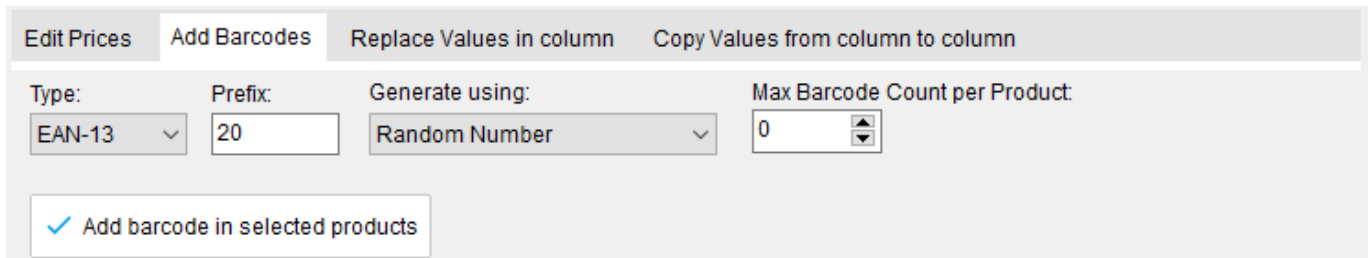


- **Round:** the accuracy of rounding the price received after the markup / discount:



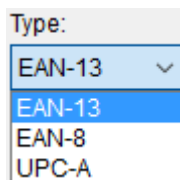
To set / change prices, click the button **Replace...** ✓

2.2.2.2 Add Barcodes

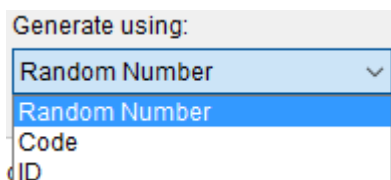


The section is intended for adding barcodes of products. Barcodes are added to the catalog *Barcodes* subordinate to this product.

- **Type:** barcode type:



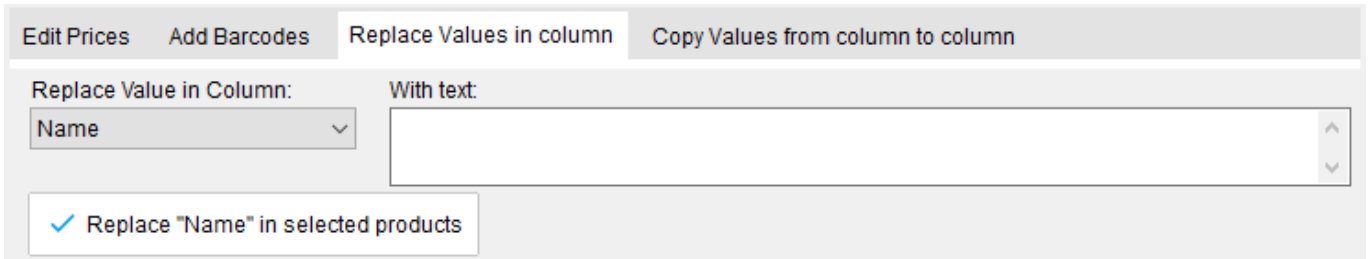
- **Prefix:** barcode prefix.
- **Generate Using:** the basis for the formation of a barcode:



- **Max Barcode Count per Product:** the maximum number of barcodes that a product can have (0 - unlimited). If this value is exceeded when creating barcodes for the products, then the barcode will not be added to this product.

To add a barcode to the selected items / product groups, click the **Add barcode...** ✓

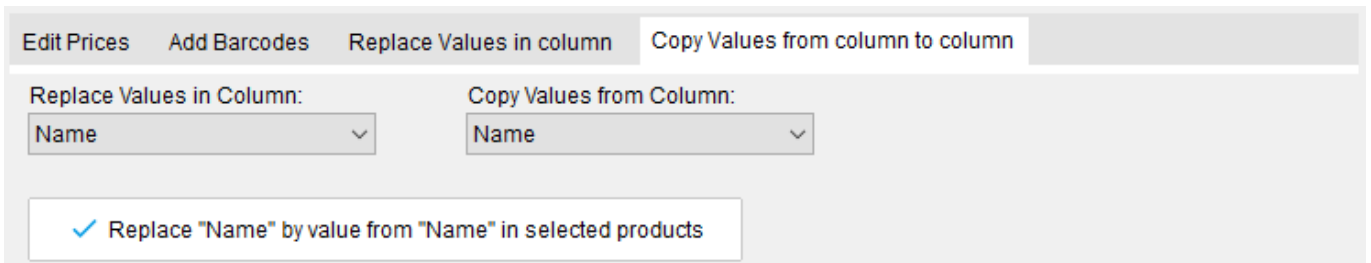
2.2.2.3 Replacing values in columns



The section is intended to replace / set values in a column.

- **Replace Value in Column:** a column in which the values will change to the specified values.
- **With Text / With Number / With Value from Catalog...:** text, numbers or value from the catalog, respectively, which will be set in the column.

2.2.2.4 Copy values from column to column

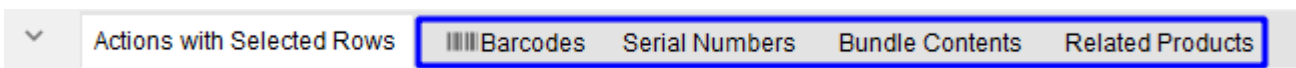


The section is intended to replace / set values in one column, using the values of the other column.

- **Replace Values in Column:** a column in which the values will change to values from the other column.
- **Copy Values from Column:** the column that will be the source of the values.

2.2.3 Subordinate catalogs: Barcodes, Serial Numbers, Bundle Contents, Related Products

In these catalogs are stored data linked to the current product.



To open the catalog, click on the appropriate name.

- **Barcodes:** the catalog stores the product barcodes.
- **Serial Numbers:** the catalog stores the serial numbers of the product.
- **Bundle Contents:** the catalog stores the bundle of the products if the current product is a set of several products.
- **Related Products:** the catalog stores products associated with the current product.

2.3 Template Designer

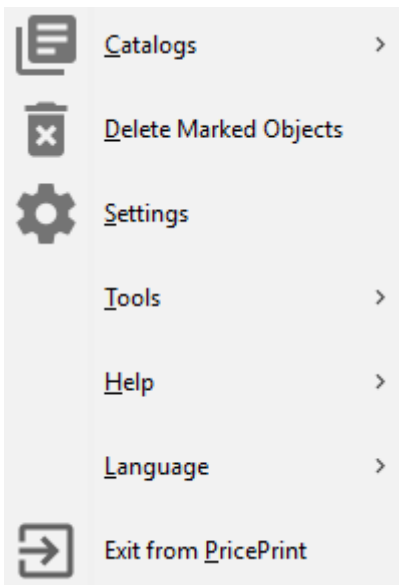
When you click on the **Template Designer**, the form of the label templates editor will open.

Template designer is designed to modify existing label templates or create new ones.

Working with the template editor is described in the section [Label Templates](#).

2.4 Main menu of the program

Pressing the **Menu** will open the main menu of the program:



2.4.1 Submenu *Catalogs*

This submenu provides access to all the program catalogs. Catalogs contain various background information (units, brands, countries, users, etc.) that are used in the work. For example, in the product catalog there is a *Unit* column that stores the unit of measure for a given product and this unit of measure is taken from the *Units* catalog.

2.4.2 Menu item *Delete Marked Objects*

When you click on this menu item, a form will be displayed for removing items marked for deletion (products from the product catalog, catalog elements, label templates).

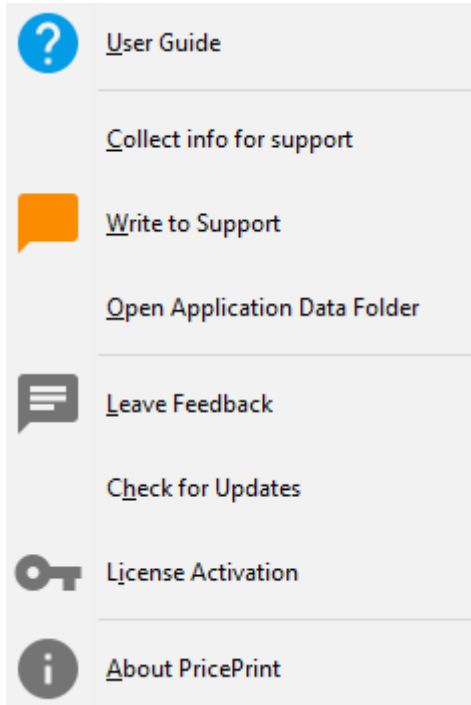
2.4.3 Menu item *Settings*

Clicking on this menu item will display the [Settings](#) form.

2.4.4 Menu item *Tools*

This submenu allows you to perform service operations - copy the database, restore the database from the copy.

2.4.5 Submenu *Help*



- **User Guide:** opens this user guide
- **Collect info for support:** collects information for technical support of the program in the archive for subsequent sending to the program support department
- **Write to Support:** opens a form in the browser in support of the program
- **Open Application Data Folder:** opens a directory in the Explorer where the program stores data (database, settings, etc.)
- **Leave Feedback:** opens a form in the browser for writing a review of the program
- **Check for Updates:** checks for updates to the program. If there is a new program update will be offered to download it
- **License Activation:** opens a form for activation of the license (program)
- **About PriceLabel:** opens a form in which information is displayed about the program, the type of current license and its term. Also you can see the current users who work in the program (for multi-user licenses), and the history of license (program) activations.

2.4.6 Submenu *Language*

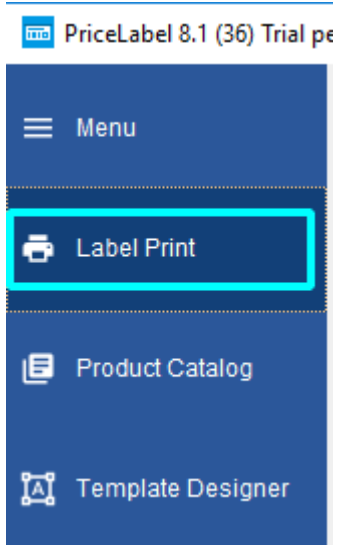
Selects the interface language.

2.4.7 Menu item *Exit*

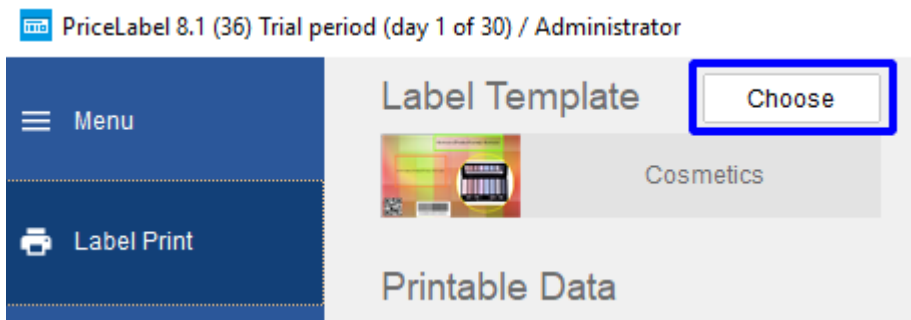
When you click on this menu item the program will be closed.

3 Printing Labels

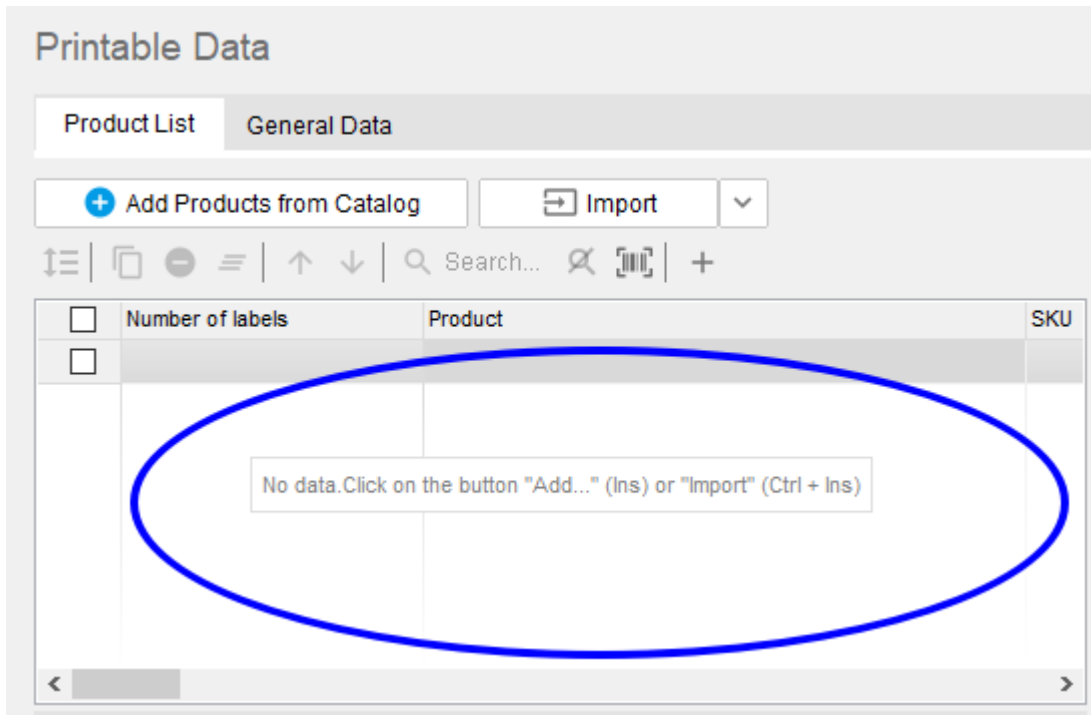
Go to *Label Print*



Choose a template to use when printing labels



Add the products for which labels will be printed in the [Product List](#) in *Printable Data*







You can add products to the list in the following ways:

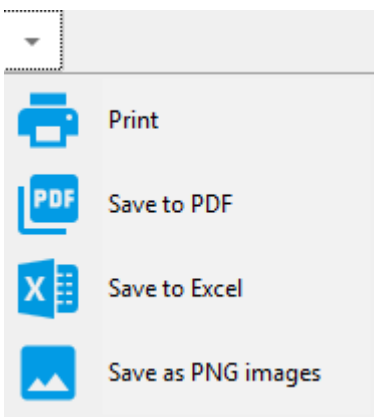
1. From the product catalog. To add products from the catalog, click on **+ Add Products from Catalog** button. In the product catalog window that opens, select the desired products / product groups and click the button **Add marked products to the Printable Data**
2. Through import. To add items via import, click the **Import** button. To import data, see the section [Importing Data](#).
3. Manually. For manual addition, click the button **+** , an empty string will be added to the list, then fill in the required parameters (product name, price, etc.)
4. Selection of products from the catalog by scanning barcodes or entering them manually. Open the context menu of the list of products with the *right mouse button* and select the item **Selection of products by barcode from the product catalog**
5. Adding rows by scanning barcodes or entering them manually. The added rows will contain the scanned barcode in the Barcode field. Open the context menu of the list of products with the *right mouse button* and select the item **Adding rows by scanning barcodes**


After adding products to the list, mark the necessary products with the checkboxes on the left side of the table. You can also set the number of labels for each product in the *Number of labels* column and change the product parameters, for example, price.

| <input checked="" type="checkbox"/> | Number of labels | Product | SKU |
|---------------------------------------|------------------|--|------|
| 1 <input checked="" type="checkbox"/> | — | 2 Apple MacBook Pro 15-inch with Touch Bar Space Gr... | Macf |
| 2 <input type="checkbox"/> | — | 1 BenQ HT2550 4K UHD HDR Home Theater Projecto... | LR-4 |
| 3 <input checked="" type="checkbox"/> | — | 3 LG Electronics OLED55B6P Flat 55-Inch 4K Ultra HD... | A186 |

Press the **Print** button  to print labels, the **Preview** button  to preview the labels before printing, and the **Print Settings** button  to open the print settings form.

Before printing, you can choose whether print to a printer, save to a PDF or Excel file, or to save as PNG images. To select a print option, click the button  to the right of the *Print* button:



You can save printable data using the **Save** button . When you later open the program, printable data will be restored.

3.1 Printing bundles of products

To print bundles of products, label templates are used that can display items from the bundle. For example, the "Bundle" template from the standard delivery.

3.1.1 Adding ready bundles of products from the product catalog

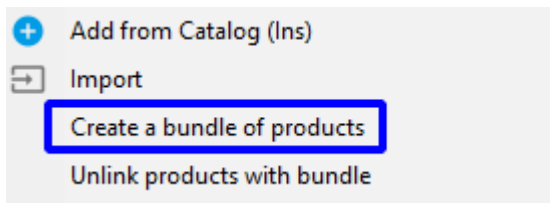
Click the **Add Products from Catalog** button and add ready bundles of products.

3.1.2 Create bundles of products on the fly directly in the Product list in Printable Data

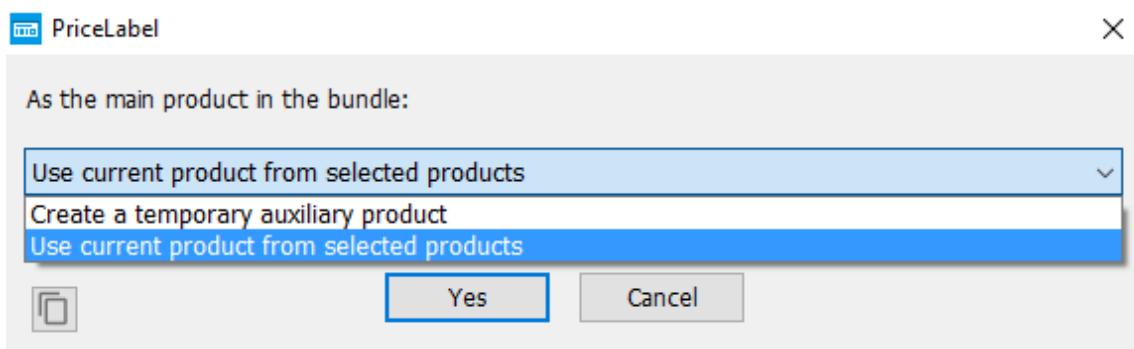
1. Select the products you want to put in the bundle


| | | | | |
|---|-------------------------------------|---|---|---|
| 1 | <input type="checkbox"/> | — | 1 | Apple MacBook Pro 15-inch with Touch Bar Space Gr... M2 |
| 2 | <input checked="" type="checkbox"/> | — | 1 | BenQ HT2550 4K UHD HDR Home Theater Projecto... LF |
| 3 | <input checked="" type="checkbox"/> | ▶ | 1 | LG Electronics OLED55B6P Flat 55-Inch 4K Ultra HD... A1 |
| 4 | <input checked="" type="checkbox"/> | — | 1 | Centrum MultiGummies Multi + Omega-3 Multivitami... 95 |
| 5 | <input type="checkbox"/> | — | 1 | iRobot Roomba 690 Robot Vacuum with Wi-Fi Conn... 12 |




2. Press the *right mouse button* and select the menu item **Create a bundle of products**



3. Choose an option for the main product in the bundle



4. This will result in a bundle of products where the main product is located first and is indicated by a larger bundle icon  than the rest

| | | | | |
|---|-------------------------------------|---|---|---|
| 6 | <input checked="" type="checkbox"/> |  | 1 | LG Electronics OLED55B6P Flat 55-Inch 4K Ultra HD... A186 |
| 7 | <input checked="" type="checkbox"/> |  | 1 | BenQ HT2550 4K UHD HDR Home Theater Projecto... LR-4 |
| 8 | <input checked="" type="checkbox"/> |  | 1 | Centrum MultiGummies Multi + Omega-3 Multivitami... 9515 |

To unlink products with bundle:

1. Select any product from the bundle or all
2. Press the *right mouse button* and select the menu item **Unlink products with bundle**

4 Importing Data


The program allows you to import data from various types of sources:

- Spreadsheets: Excel, ODF (OpenOffice, LibreOffice, etc.)
- Text files with delimiters: CSV, unloading from a site management systems
- SQLite databases
- Any data source via ODBC: SQL Server, Access, MySQL, PostgreSQL, Oracle etc.
- POS systems: EposNow, QuickBooks POS
- Clipboard
- JSON files

The data sources that you can add / modify is stored in the *External Data Sources* catalog. You can go to the *External Data Sources* catalog via *Menu > Catalogs > External Data Sources*.

When importing, the settings of the selected data source are used.

4.1 Normal import (step by step)

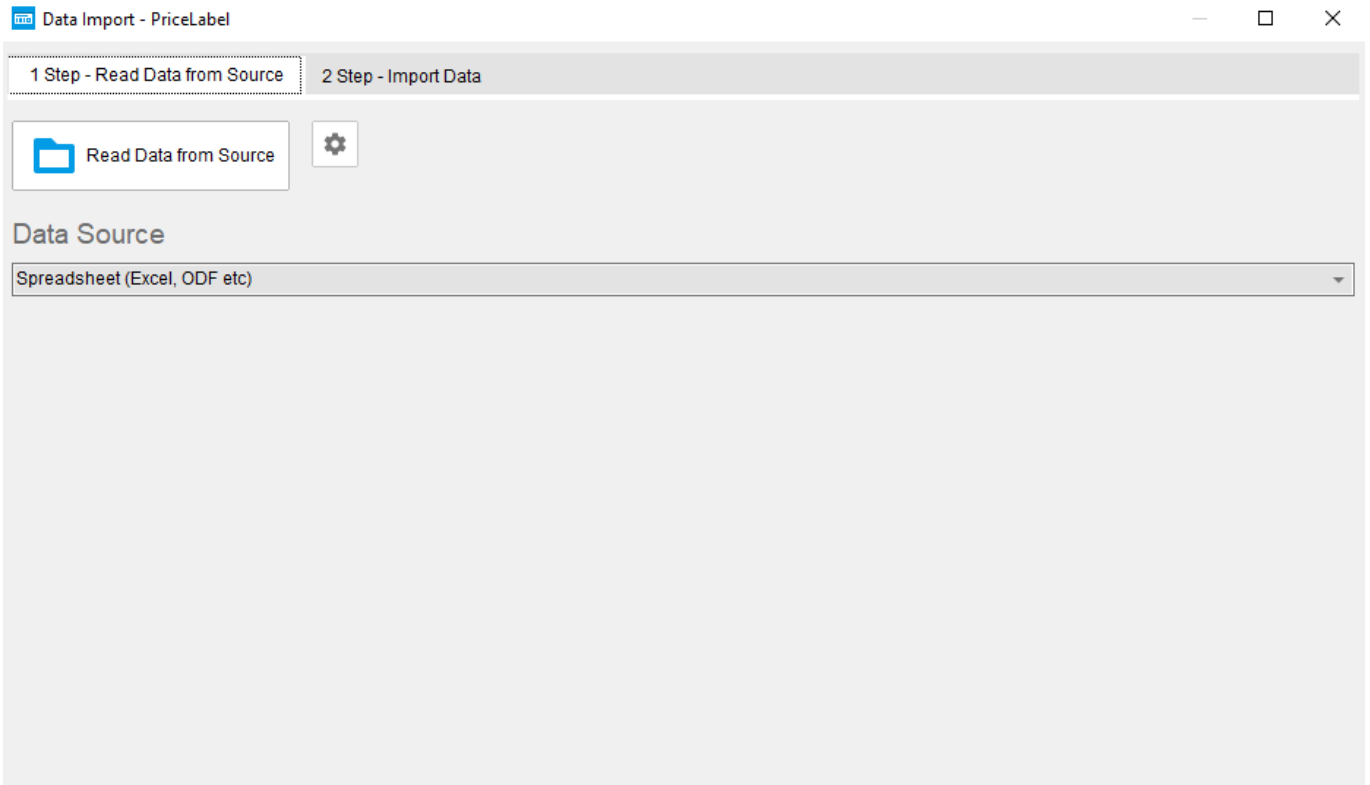
In the *Label Print* section, *Product Catalog* section or in the catalog, click the  **Import** button. The data import form will open.

Importing data consists of 2 steps:

1. Reading data from a source into a temporary table
2. Adding data from the temporary table to:
 - *Printable Data*, if import was opened in the section *Label Print*
 - *Product Catalog*, if import was opened in the *Product Catalog* section
 - *Catalog* if import was opened in the catalog

4.1.1 Step 1 - Reading data from the source into a temporary table

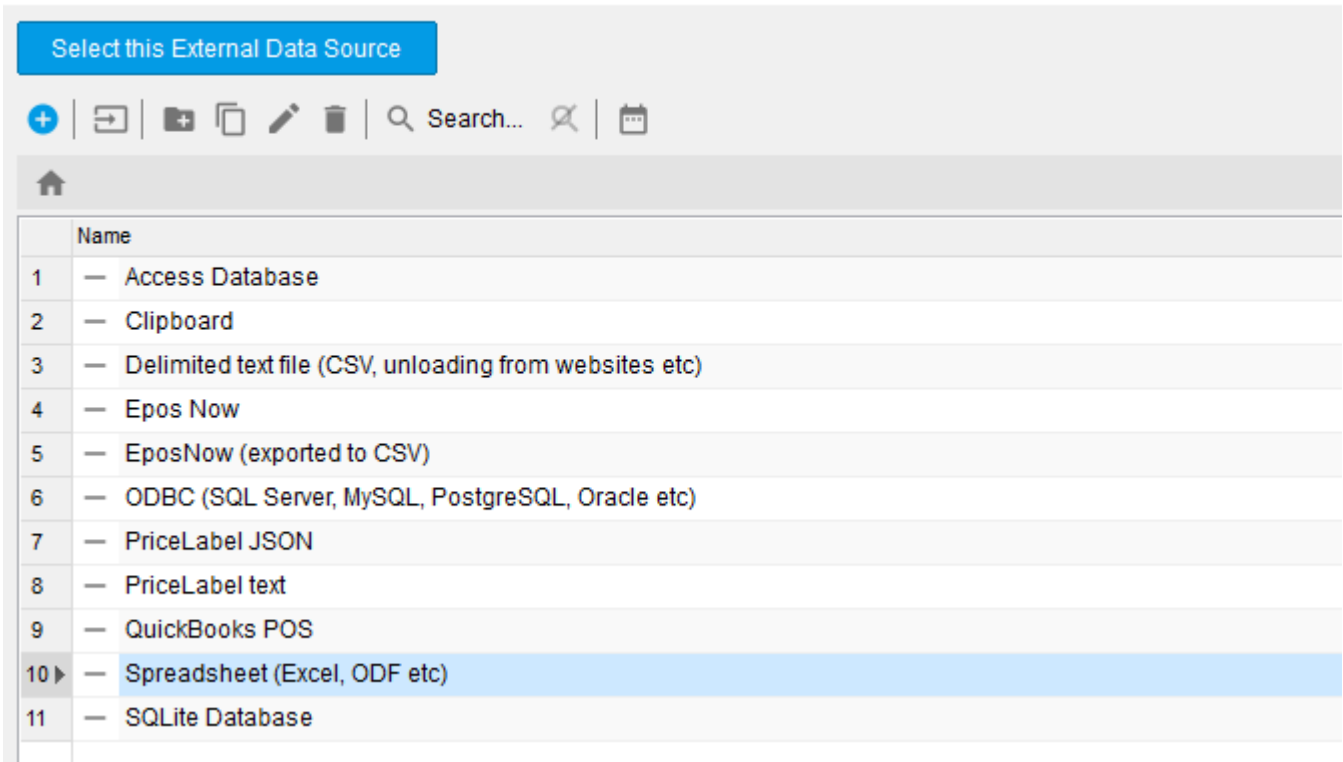
Go to the tab **1 Step - Read Data from Source**.



Select the data source. To do this, click on the **Data Source** field:



The external data source selection form opens:



Select the data source and click the button.



Then click on **Read Data from Source**

If the source is a file and a specific file is not specified in the import settings, a file selection window will open.

4.1.2 Step 2 - Add data from the temporary table to the *Product List*

Go to the tab **2 Step - Import Data** (after reading the data, this tab will be opened automatically).

The *Data for Import* table is a temporary table containing the data read from the source.

Data Import - C:\Sample.xlsx - PriceLabel

1 Step - Read Data from Source | 2 Step - Import Data

Import Data Only Check

Data for import into the Printable Data + Add Column + Add Row

| | 17 Product | 18 Price | 19 Number of labels | 20 Discount | 21 <Do not impc |
|---|----------------------------------|-------------------|---------------------|-------------|-----------------|
| 1 | Product Name | Price | Quantity | Discount | Profit |
| 2 | Bush Somerset Collection Boo... | 261.96 | 2 | 0 | 41.9136 |
| 3 | Hon Deluxe Fabric Upholstere... | 731.9399999999999 | 3 | 0 | 219.582 |
| 4 | Self-Adhesive Address Labels ... | 14.62 | 2 | 0 | 6.8714 |
| 5 | Bretford CR4500 Series Slim R... | 957.5775 | 5 | 0.45 | -383.031000000 |
| 6 | Eldon Fold 'N Roll Cart System | 22.368 | 2 | 0.2 | 2.5163999999999 |
| 7 | Eldon Expressions Wood and ... | 48.86 | 7 | 0 | 14.1694 |
| 8 | Newell 322 | 7.28 | 4 | 0 | 1.9656 |
| 9 | Mitel 5320 IP Phone VoIP phone | 907.152 | 6 | 0.2 | 90.71520000000 |

Import data from rows:
 First: Last: Detect

Determine from which row for what data (products and their parameters) are located that will be imported, and set the first and last lines of this range:

Import data from rows:
 First: Last: Detect

Specify in which columns are the parameters of the product (name, SKU, price, etc.). To do this, click on the desired column, the form for selecting the item parameter associated with this column opens:

| 17 Product | 18 Price | 19 Number of labels | 20 Discount | 21 <Do not impc |
|-----------------------------|----------|---------------------|-------------|-----------------|
| Product Name | | | | |
| Bush Somerset Collection B | | | | |
| Hon Deluxe Fabric Upholst | | | | |
| Self-Adhesive Address Lab | | | | |
| Bretford CR4500 Series Sli | | | | |
| Eldon Fold 'N Roll Cart Sys | | | | |
| Eldon Expressions Wood a | | | | |

PriceLabel

Column 17 contains the parameter:

Yes Cancel

Select the item parameter that is associated with this column, and click **Yes**

For columns that do not participate in the import, select <Do not import> (default).

Import by clicking the  **Import Data** button

The data from the temporary table will be added to the *Printable Data, Product Catalog* or catalog, depending on where the *Import* button was clicked.

4.2 One-Click Import

This feature allows you to automatically import data at the click of a button *Import*.

4.2.1 Preconfiguration

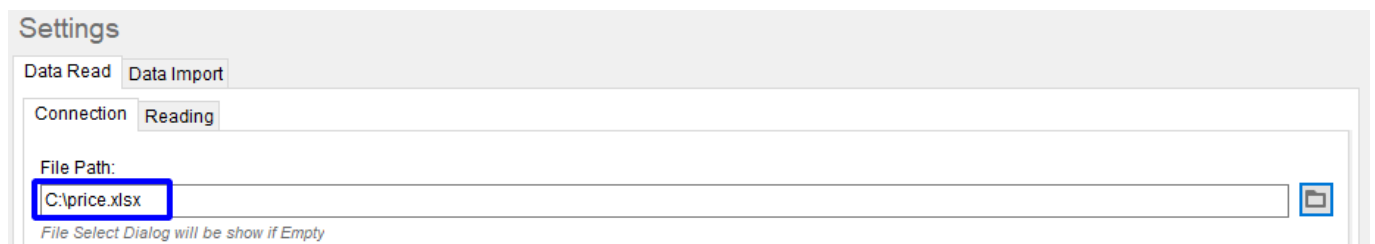
Make the necessary data source settings.

To do this, open catalog *External Data Sources* via **Menu > Catalogs > External Data Sources**, select the desired data source and click **Edit** 

On the **Data Read** and **Data Import** tabs, specify all possible settings.

Example settings for importing from an Excel file, in which there is a row with the headings (names) of the columns. The row with headers is the first in the table, the rest of the rows are data.

Set the file path:




Settings

Data Read Data Import


Connection Reading

File Path:

C:\price.xlsx 

File Select Dialog will be show if Empty


Set the headers row number and the first data row number:





Settings

Data Read Data Import

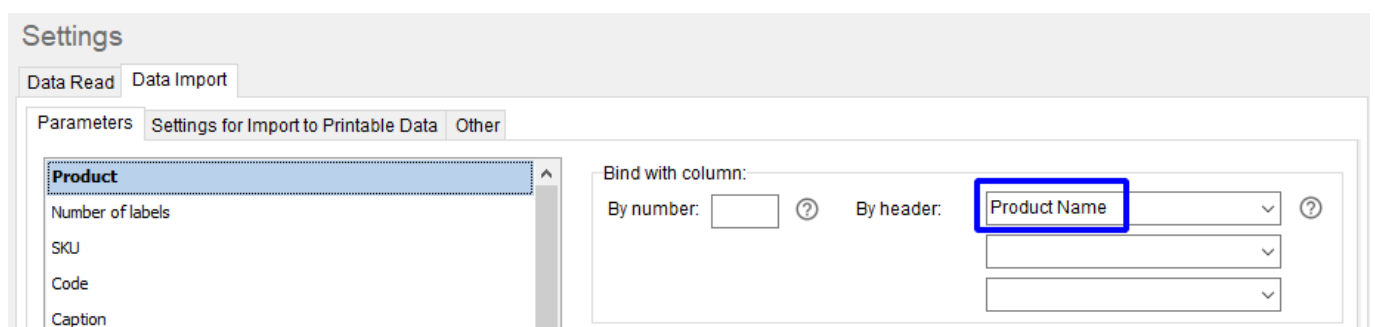
Connection Reading

Headers row: 
0 - no headers

First row with data: 
0 - autodetect

Sheet number: 
0 - a selection window will be displayed

Link the parameters of the products with the columns in the file according to the names of the headers in the first row:



Settings

Data Read Data Import

Parameters Settings for Import to Printable Data Other

Product



Number of labels

SKU


Code

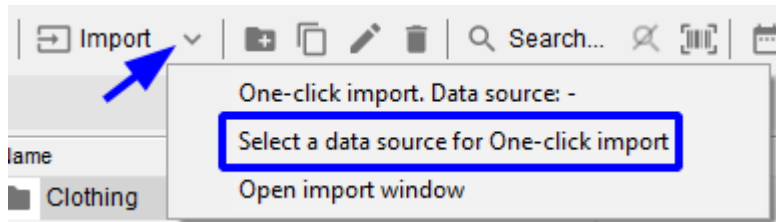
Caption

Bind with column:

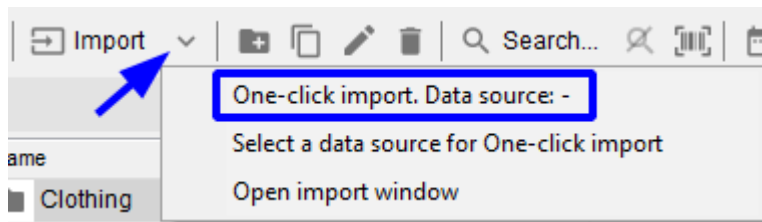
By number:  By header: 

4.2.2 Import

Click the button  to the right of the **Import** button and select the **Select a data source for One-click import** item in the menu:





Then click button  again and select the **One-Click Import** option from the menu:

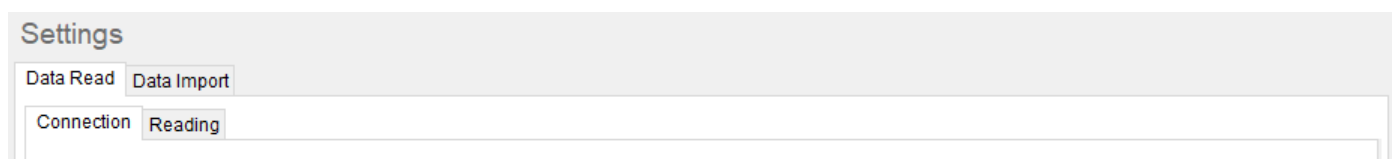


This is a one-time setup that allows you to import automatically without opening the import window. Next, import by clicking on the **Import** button.

4.3 Import Settings

To change import settings, click the  **Import Settings** button or open catalog *External Data Sources* via **Menu > Catalogs > External Data Sources**, select the desired data source and click **Edit** .

The data source settings window will open. Settings are grouped into several tabs.



4.3.1 Data Read > Connection tab

Here you can configure the connection to the data source. The contents of the tab may vary depending on the type of source.

Purpose of settings:

- **File Path** or **Database Path**: path to the data file. If left blank, the file selection dialog will be displayed
- **SQL Query**: to select certain data from a database
- **User name, Password**: for authorization in the database

- **Connection String:** to connect to an ODBC source
- **Authorization Token:** for authorization in EposNow

4.3.2 *Data Read > Reading tab*

Here you can configure data reading options. The contents of the tab may vary depending on the type of source.

Purpose of settings:

- **Headers Row:** the number of the row in which the headers are located. 0 - no headers
- **First row with data:** row number at which the data begins. 0 - automatic detection
- **Sheet number:** the sheet number of the spreadsheet. 0 - a sheet selection window will be displayed if there are several sheets in the spreadsheet
- **File Encoding:** text encoding in the data file
- **Field Delimiter:** when reading from a source of type CSV
- **Text Delimiter:** when reading from a source with type CSV
- **Data Read Actions:**
 - **Bind parameters to columns by keywords:** if the flag is set, then the parameters of the products and other parameters will be automatically associated with the columns of the imported data by coincidence with the keywords. Keywords are defined on the *Data Import > Parameters* tab. Ignored if a direct binding to columns is specified on the *Data Import > Parameters* tab
 - **Determine the range of rows:** if the flag is set, the range of imported rows will be determined automatically, taking into account the setting *First row with data*
 - **Only on first reading in the session:** if the flag is set, then the two previous settings will work only at the first reading after starting the program

4.3.3 *Data Import > Parameters tab*

On this tab, for parameters of products (name, barcode, price, etc.) and other parameters, you can configure binds to columns / fields / entities of imported data, set delimiters that are used when several values is in one column, example several barcodes etc.

Purpose of settings of parameter:

- **Bind with column:**
 - **By number:** column number (counting starts from 1) in which the parameter is located. You can specify multiple columns, separating them with a space. If you specify multiple columns, the values from them will be combined using the *String between Columns when Multiple Columns Joining* setting

- **By header:** the header of the table or the name of the entity / field in which the parameter is located. You can specify several (maximum 3). If you specify multiple columns, the values from them will be combined using the *String between Columns when Multiple Columns Joining* setting
- **Value combiner string:** if parameter binded with several columns, then values of multiple columns will be joined into string using that string between them
- **Separating Symbols:** column can contain several values separated by any of symbols indicated here. Separating symbol can be used when enumerating bar codes, serial numbers, set contents, goods folders (paths)
- **Column Color:** in a temporary table with data in the import window
- **Keywords:** used if the *Bind parameters to columns by keywords* flag is set on the *Data Read* tab and the parameters are not binded to columns via column numbers or headers. When reading data, the parameter will be automatically binded to the column according to the first partial match with one of the keywords / phrases. Words / phrases are placed in separate lines
- **Formula to get parameter value:** a formula that allows you to perform various transformations on the original value of the parameter, including the use of the values of other parameters in the imported row. If left blank, the parameter value will be imported unchanged

4.3.4 Data Import > Settings for Import to Product Catalog tab

Here you can set specific import settings for the product catalog.

- **Folder for Import:** you can select the folder in which the products will be imported. If the folder is not selected, the products will be placed in the root of the product catalog
- **Search product only within Folder:** if the checkbox is set, the search for the products will be carried out only within the folder for import, if it is selected. Also, when the checkbox is set, the product folders will be taken into account. If the checkbox is not set, the product search will be performed in the entire catalog. Ignored if the rule of updating / adding products *Always Add*

- **Ignore Product Folders:** when the checkbox is set, all products will be placed in the import folder, if it is selected, or at the root of the product catalog. The presence of folders in the *Product folder* column of the *Data for import* table is ignored
- **Rule for Update / Add:** the rule allows you to configure the logic for adding and / or updating the products:
 - **Update and Add New:** will search for existing products (by key parameters specified in the *Catalogs Update Settings* tab). If the products are found, they will be updated parameters that are not key, otherwise the products will be added
 - **Always Add:** products will be added always (no search for existing products will be made)
 - **Only Update:** will search for existing products (by key parameters specified in the *Catalogs Update Settings* tab). If the products are found, they will update the parameters that are not key
 - **Only Add New:** will search for existing products (by key parameters specified in the *Catalogs Update Settings* tab). If no items are found, they will be added.

Search of the products is made in the whole catalog, if the *Search product only within the Folder* checkbox is not set. If the checkbox is set, the search for the products will be carried out within the folder for import, if it is selected. Also, when the checkbox is set, the product folders will be taken into account.

Ignored if the rule of updating / adding products *Always Add*

- **Delete all products from the product catalog before importing:** if the checkbox is set, then the product catalog will be completely cleared before importing products. **Attention!** This operation is irreversible
- **Add products to the Printable Data:** if the checkbox is set, then in addition to adding products to the catalog, these products will be added to the *Product List* in the *Label Print* section
- **Clear Printable Data:** if the checkbox is set, then before the addition of products, the *Product List* of the *Label Print* section will be cleared.
Ignored if the *Add products to the Printable Data* checkbox is not set
- **Set of parameters to search for a product (record):** In the process of importing each row, a product (record) is searched in the catalog in order to determine whether such a product (record) exists or not.

If there is such a product, then it is updated with new data; if there is no such product, then it is added. For the product catalog, you can set another rule for updating / adding products.

The search for a product (record) is based on a set of parameters. If some parameter from the set is not imported or its value in some import line is empty (absent), then the remaining parameters are used to search for the product.

Ignored if the update / add rule for products is *Always Add*.

Here you also can specify the key parameters to be searched for the other catalogs.

4.3.5 Data Import > Settings for Import to Printable Data tab

Here you can set specific import settings for the *Printable Data*.

Clear Printable Data

Get missing data from the product catalog

Set of parameters to search for a product in product catalog ?

+ -

Name
SKU
Code
PLU
Color
Size
Barcode
Serial Number

- **Clear Printable Data:** if the checkbox is set, then before the addition of products, the *Product List* of the *Label Print* section will be cleared
- **Get missing data from the product catalog:** In the process of importing each row, a product is searched in the product catalog.
If the product is found, then the missing data will be taken from the product data.
The search for the product is based on a set of parameters. If some parameter from the set is not imported or its value in some import line is empty (absent), then the remaining parameters are used to search for the product

4.3.6 Data Import > Other tab

- **Remove whitespaces from the beginning and end of strings:** if checked, the blank space (spaces and non-printable characters) will be removed from all imported string data from the beginning and the end

5 Label templates

A template is a sample of a label, in which real data such as the name of the product, price, code, date, SKU, barcode, etc. are inserted at printing.

5.1 Template structure

5.1.1 Objects

Templates consist of such objects as *Text*, *Rectangle*, *Circle*, *Barcode (1D and 2D)*, *Image*, *Icon*, *Currency Symbol* etc.

Each object can display text, product parameters, counter values and other variables when printing / viewing the label. Also, each object can display a background image or an image of the product (except for *Barcode object*).

Each object can be set visibility by certain conditions through the formula.

All objects can be placed in the template anywhere and rotated at any angle.

5.1.2 Layers

Objects in the template are grouped into nine layers. Each layer can be given visibility by certain conditions through the formula.

5.1.3 Formulas

In order to display the parameters of products, the values of counters, etc., as well as to set the visibility of objects or layers, formulas are used. Also formulas are used for various arithmetic operations, changing text, formatting numbers, text, date / time, etc.

To insert and edit formulas in the application, there is a formula designer, which is described in the section [Formula designer](#).

Formulas look like:

```
<formula> [Initial value] [Function 1] [Function 2] ... [Function N] </formula>
```

The initial value can be any valid data type. It may be absent explicitly, then it will be considered an empty string.

5.1.3.1 Types of data in formulas

- **Text:** enclosed in double quotes.
Example: "This is a text"
- **Number:** example: 123.4

- **Date / Time:** enclosed in single quotes.

Format:

- YYYY-MM-DD hh:mm:ss
- YYYY-MM-DD

, where YYYY - year 4 digits, MM - month 2 digits, DD - day 2 digits, hh - hour 2 digits, mm - minutes 2 digits, ss - seconds 2 digits.

Example: '2018-09-12 03:41'.

- **Product parameter, counter, variable:** enclosed in square brackets.

Example: [ProductPrice].

5.1.3.2 Functions in formulas

Functions perform various actions - arithmetic operations, processing of strings and dates, formatting, etc.

The functions in the formula are executed sequentially from left to right. The first function in the formula handles the initial value of the formula, the second value obtained from the first, the third value obtained from the second, and so on.

Functions can be nested and include other functions.

Examples of formulas with functions:

- `<formula>100 AddPercent(5)</formula>`

In this example, the function of adding percentages to numbers is used. The function adds 5 percent to the number 100, and displays the resulting value of 105.

- `<formula>[ProductPrice] AddPercent(12.3) Round("0.5")</formula>`

In this example, the functions of adding percentages to numbers and rounding are used. The function adds 12.3 percent to the price of the product (the [ProductPrice] parameter), then rounds the resulting value to an accuracy of 0.5, and displays the resulting value.

5.1.3.3 Parameters and variables in formulas

You can use in the formulas the standard parameters, which will be listed below, or your own with any names in cases:

1. When adding new columns to the product catalog.

In this case, new parameters of the products appear corresponding to these columns.

2. When printing using external data.

In this case, the names of the parameters in the template must coincide with the names of the parameters of the products in the transmitted data.

Standard parameters:

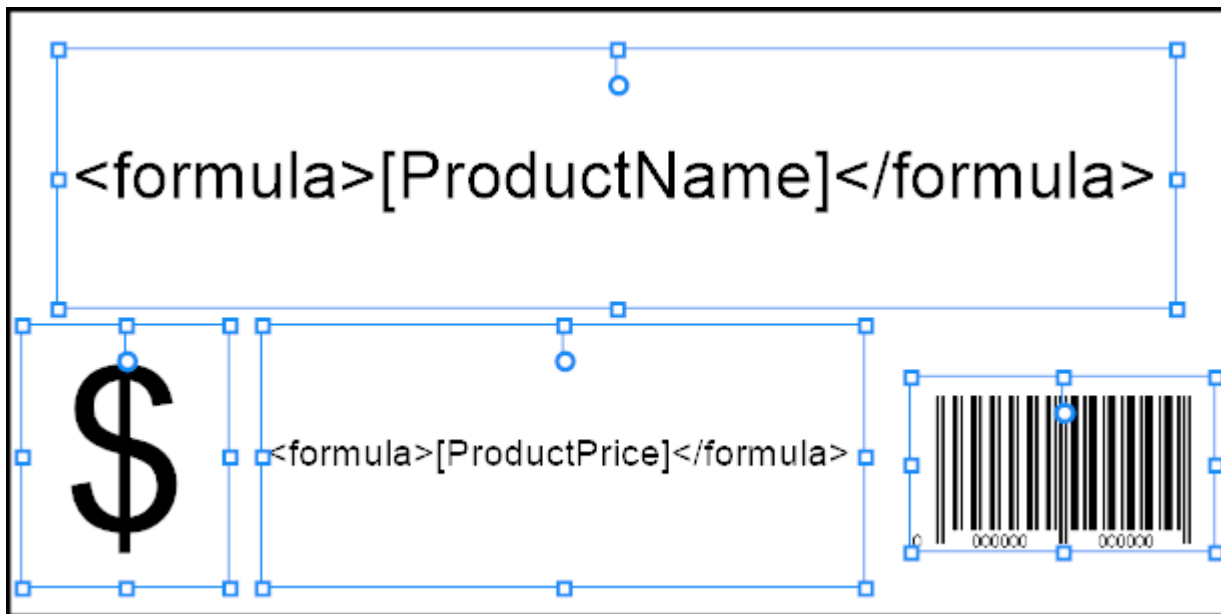
| Parameter name / variable | Data type | Relevant data in the program | Notes |
|---------------------------|-----------|------------------------------|-------|
| ProductName | String | Name of product | |
| ProductSKU | String | Product SKU | |

| | | | |
|-----------------------------------|---------|---|--|
| ProductCode | String | Product code | |
| ProductExpirationDate | String | Shelf life of product | |
| ProductDescription | String | Product description | |
| ProductCharacteristic | String | Product characteristics | |
| ProductPLU | Number | PLU of the product | |
| ProductDiscount | Number | Discount for product | |
| ProductWeight | Number | Product weight | |
| ProductPrice | Number | Product price | |
| ProductQuantity | Number | Quantity of product | |
| ProductStock | Number | Remains of the product | |
| ProductColor | String | Color of the product | |
| ProductSize | | Size of the product | |
| ProductPrice2... ProductPrice9 | Number | Product price 2...9 | |
| ProductPriceOld | Number | Old price of product | |
| ProductParam1... ProductParam9 | String | Additional product parameter 1...9 | |
| Barcode | String | Product barcode | |
| BarcodeType | Number | ID of type of barcode. The ID can be seen in the list of barcode types on the "Barcode" tab in the properties of the template object | |
| BarcodeIsMain | Boolean | This is the main product barcode. | |
| SerialNumber | String | Product serial number | |
| SerialNumberIsMain | Boolean | This is the main product serial number. | |
| UnitName | String | Unit of measurement | |
| CountryName | String | Country name | |
| CountryISO | String | ISO of the country | |
| Brand | String | Brand name | |
| CategoryName | String | Product category name | |
| DocName | String | Name of the document | |
| DocDate | String | Date of the document | |
| DocNo | String | Document number | |
| DocNote | String | Document note | |
| CompanyName | String | Name of company | |
| CompanyCode | String | TIN of company | |
| StoreName | String | Warehouse name | |
| StoreCode | String | Warehouse code | |
| PartnerName | String | Name of partner | |
| PartnerCode | String | Partner TIN | |
| PartnerPhones | String | Phones of the partner | |
| PartnerBankAccount | String | Bank account of the partner | |
| PartnerBankName | String | Name of the partner bank | |
| PartnerBankCode | String | TIN of partner bank | |
| PartnerBankCorresponden | String | Correspondent account of the | |

| | | | |
|-------------------------|---------|--|---|
| tAccount | | partner | |
| LabelDate | String | Date of labels | |
| LabelCount | Number | Number of all labels | |
| LabelCounter | Number | Counter of all labels | |
| LabelCounterDesc | Number | Decreasing counter of all labels | |
| ProductLabelCount | Number | Number of product labels | |
| ProductLabelCounter | Number | Counter of product labels | |
| ProductLabelCounterDesc | Number | Decreasing counter of product labels | |
| ProductCount | Number | Number of all products | |
| ProductCounter | Number | Counter of all products | |
| ProductCounterDesc | Number | Decreasing counter of all products | |
| PageLabelCount | Number | Number of labels on the page | |
| PageLabelCounter | Number | Counter of labels on the page | |
| PageLabelCounterDesc | Number | Decreasing counter of labels on the page | |
| TemplateID | Number | Template ID | |
| TemplateName | String | Template name | |
| TemplateCaption | String | Template description | |
| TemplateCreateDateTime | String | Date / time the template was created | |
| UserName | String | User name | |
| ExtDataName | String | Name of external data | |
| ExtDataConnData | String | Connection string with external data | |
| IsFavorite | Boolean | My favorites | |
| LastChangeDateTime | String | Date / time of last change | |
| Group | String | - | The name of the product folder or the path to the product folder in the catalog. Used only when importing / printing from external data. |
| ProductImage | String | - | Product image. Used only when importing / printing from external data. |
| BundleID | Number | - | The identifier of the bundle. Items with the same identifier are considered a bundle. Used only when importing / printing from external data and in Printable Data. |
| BundleIndexNumber | Number | Sequence number in the bundle | 0 - the main product in the bundle, 1,2,3 ... - other products in the bundle. Used only when importing / printing from external data and in Printable Data. |

| | | |
|---------------------|-----------|---|
| UseAsBundleItemOnly | Boolean - | Use only as part of the bundle. If the value is True, then the product is not printed on its own, but only as part of the bundle. Used only when importing / printing from external data and in Printable Data. |
|---------------------|-----------|---|

5.2 Example of a label template



In this template there are 4 objects that will print different information when printing.

- The top object contains the output formula for the product name (the formula uses the *ProductName* parameter)
- The object on the left displays dollar symbol
- The object in the center contains the formula for displaying the price of the product (the formula uses the *ProductPrice* parameter)
- The object to the right displays a barcode (the formula uses the *Barcode* parameter)

This is how the label (with test data) looks on the basis of this template when printing:

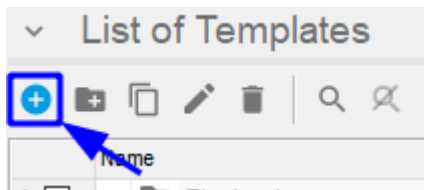
BenQ HT2550 4K UHD HDR Home Theater Projector, 8.3 Million Pixels, 2200 Lumens, Rec.709, Audiovisual Enhancer, 3D, HDMI

\$ 1325

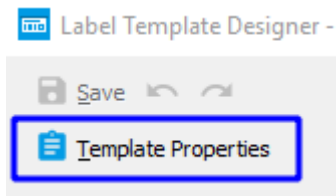


5.2.1 Step-by-step creation of this template

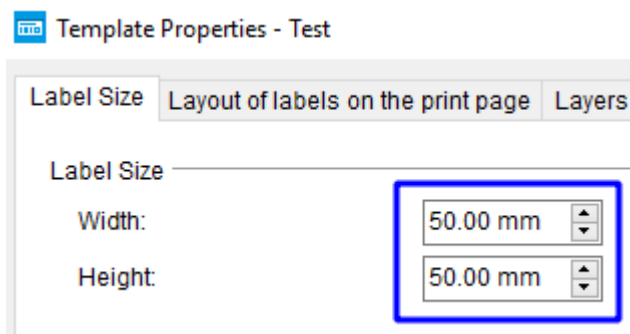
1. Run [Template designer](#)
2. Create a new template



3. Open the template properties

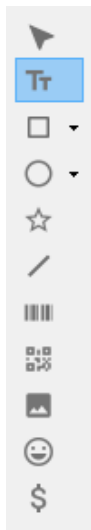


4. Set the dimensions

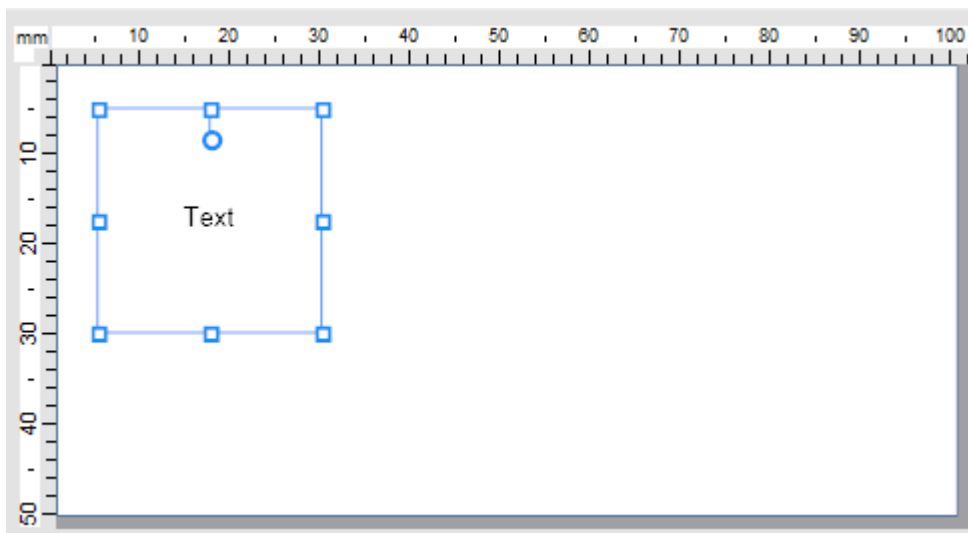


and close the template properties.

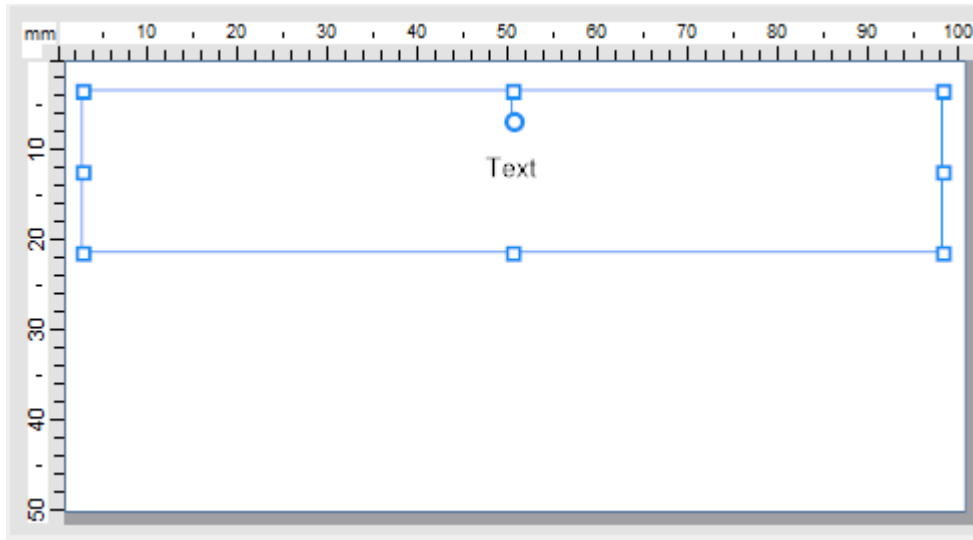
5. Select the *Text* tool



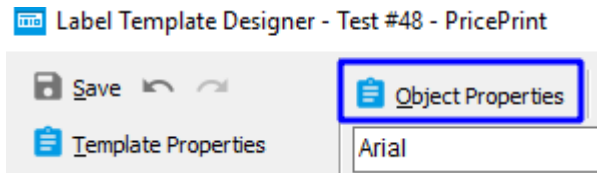
6. Click the *left mouse button* in the place of the template where you want to place the text



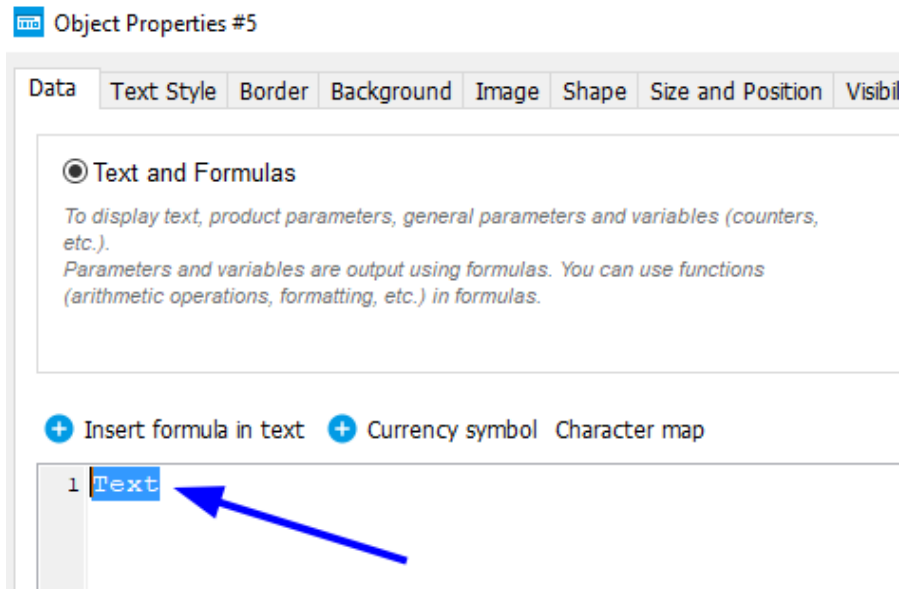
7. Set the desired size



8. Open the properties of the object

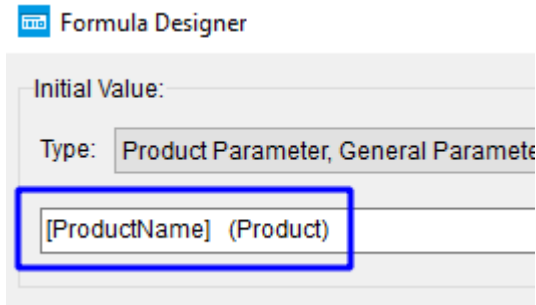


9. Delete the word "Text"



10. Click **Insert formula in text** 

11. Select the output of [ProductName] (Product)

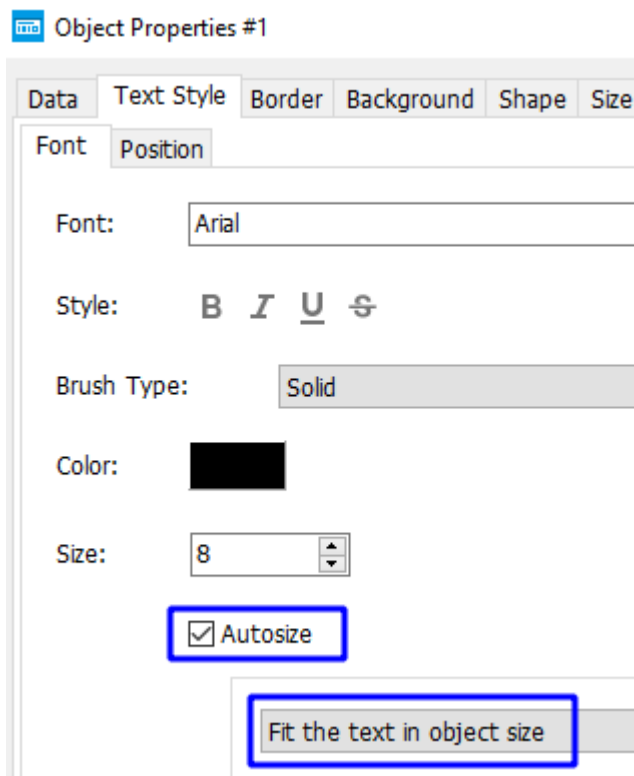


and click **OK**.

We get a formula that will display in the label the product name:

```
1 <formula>[ProductName] </formula>
```

12. Click the *Text Style* tab



and set the checkbox **Autosize**, then next select **Fit the text in object size**.

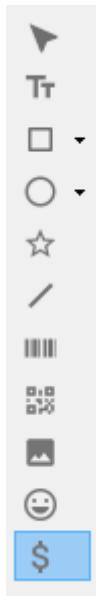
13. Click **OK**.

14. To output the product price, follow steps 5 through 13, only when you select an option in step 11, select [ProductPrice] (Price).

We get a formula that will display in the label the product price:

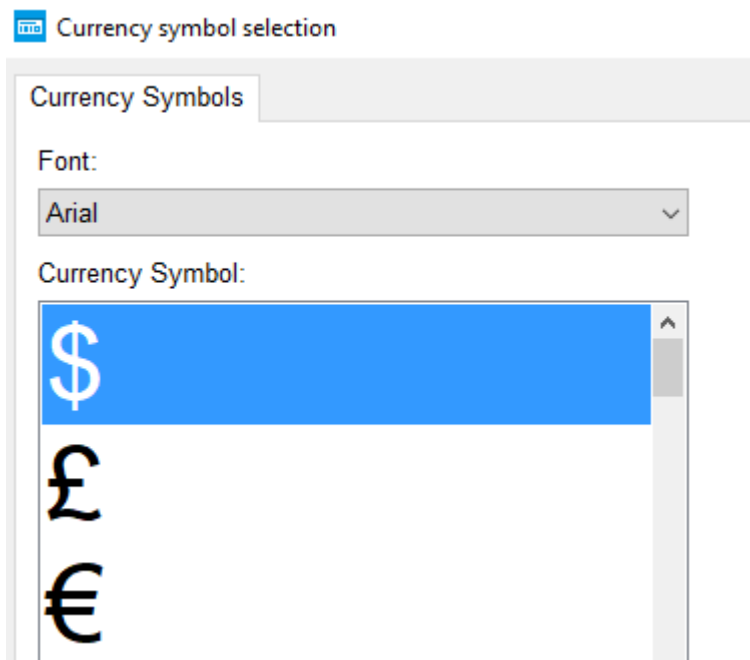
```
1 <formula>[ProductPrice] </formula>
```

15. To display the currency symbol (USD) , select the *Currency Symbol* tool:



16. Click the *left mouse button* in the place of the template where you want to place the currency symbol

17. Select the currency symbol (USD)



18. To display the barcode, select the *Barcode* tool



19. Click the *left mouse button* in the place of the template where you want to place the barcode

20. Set the desired size



21. The default barcode type is *Auto*, which means that the type of barcode will be determined automatically (EAN 13, EAN 8, UPC A, UPC E, CODE 39 or CODE 128), depending on the length of the data and the content of certain characters in them.

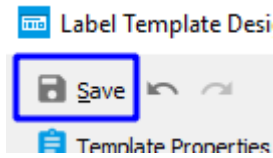
To change the barcode type:

1. Open the properties of the object
2. Click the *Barcode* tab
3. Select the type of barcode

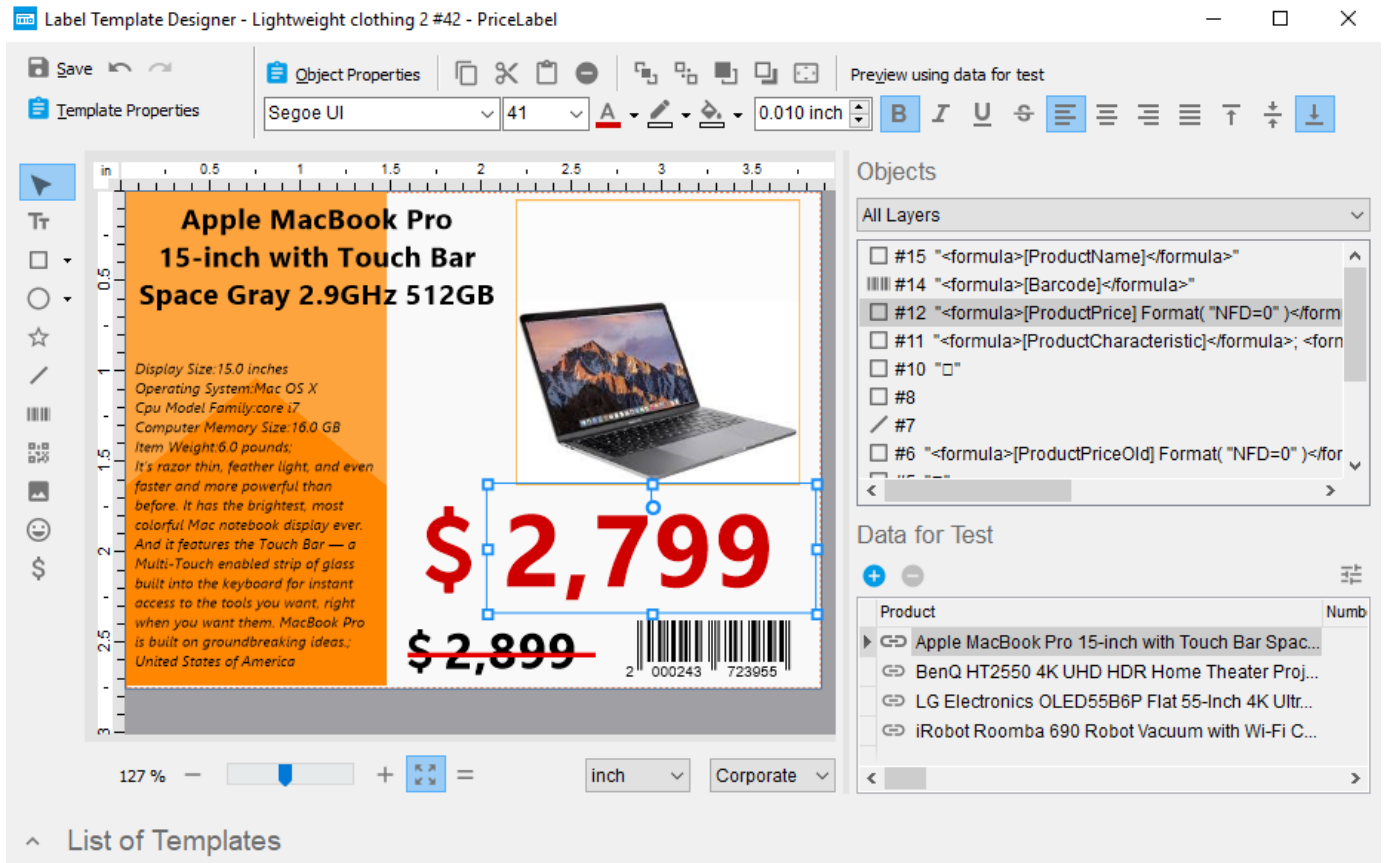
Type:

| Name | ID | |
|---------------------|-----------|--|
| Dutch Post KIX Code | 90 | |
| EAN (auto) | 13 | |
| EAN (stripe) | 14 | |
| EAN Composite | 130 | |
| EAN-14 | 72 | |

22. Save changes to the template










5.3 Template designer







The task of template designer is to modify existing label templates or create new ones.

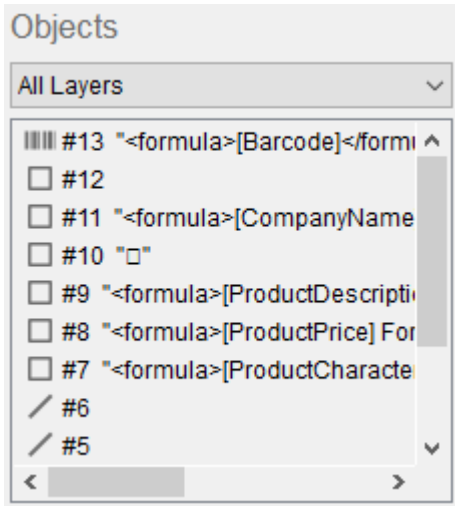
5.3.1 Insert / Select toolbar

- : object selection
- : inserting the *Text* object
- : inserting the *Rectangle, Rounded rectangle etc.* object
- : inserting the *Circle, Arc, Pie* object
- : inserting the *Star* object
- : inserting the *Line* object
- : inserting the *Barcode* object



- : inserting the *2D Barcode* object
- : inserting the *Image* object
- : inserting the *Icon/Symbol/Clipart* object
- : inserting the *Currency Symbol* object

5.3.2 Area Objects



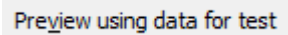
The scope contains a list of template objects, with the ability to filter by layer.

In the list of objects, the string consists of an object type icon, an object ID and text / object formulas.

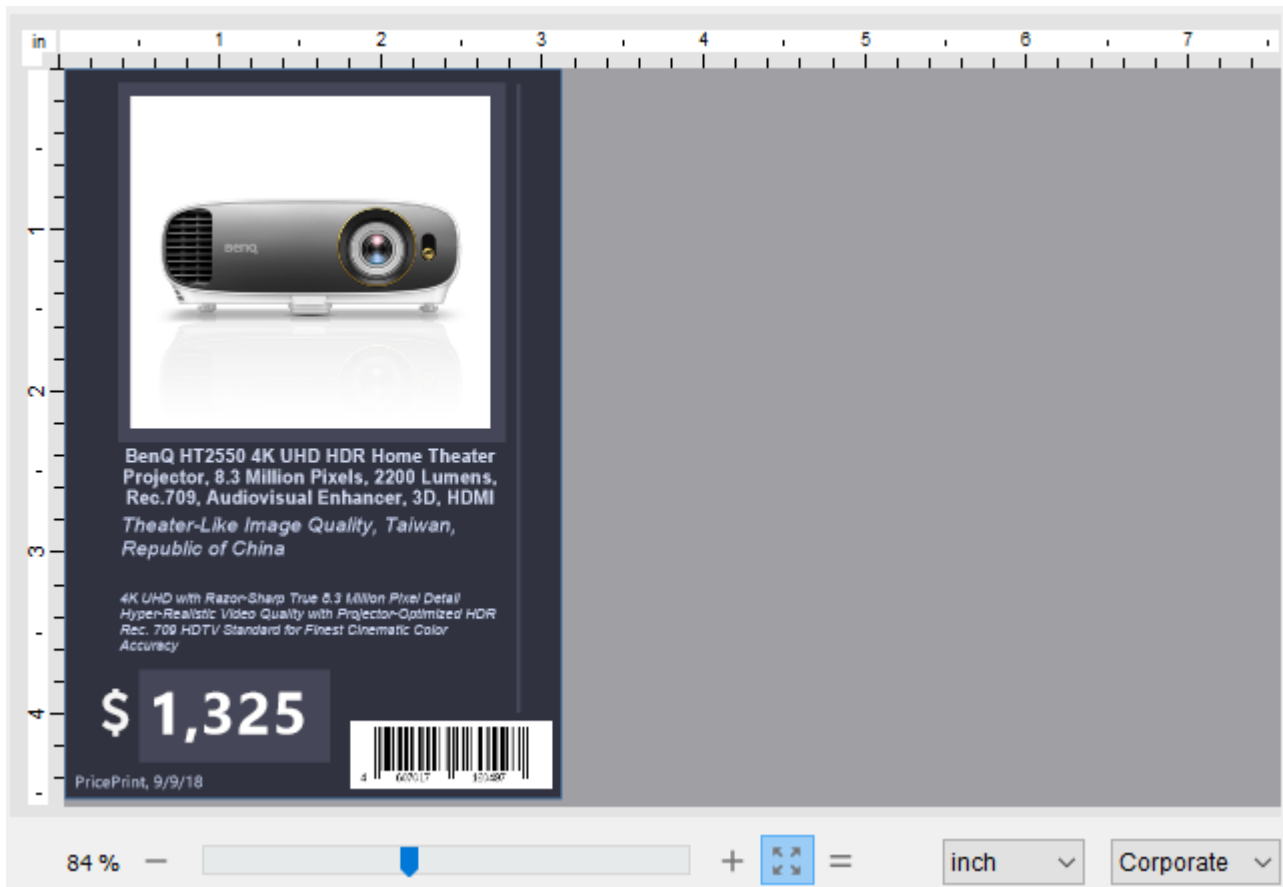
5.3.3 Area Data for Test

| Data for Test | | | | |
|---------------------------|------------|------|--------------------|----|
| Product | SKU | Code | Caption | Ch |
| ▶ BenQ HT2550 4K UHD H... | LR-4161861 | 95 | Theater-Like Im... | 4K |

Test data is used to evaluate the appearance of label. By default, the template in the editor is displayed with test data. You can disable the display of test data in the template using the *Editor Settings* item of the context menu of the template editing area.

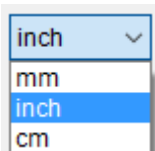
You can change the test data to any that will help you evaluate the appearance of the label. Also, you can open a preview with test data by clicking on the button  and printing test labels.

5.3.4 Template editing area




Length unit

The unit of measurement can be set at the bottom right:



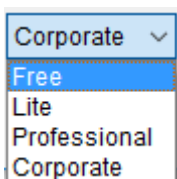
The unit specified here acts globally in the entire program.

You can change the zoom level by clicking on the scale value, using the slider or the - and + buttons.

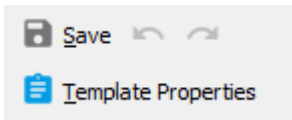
To fit the template in the editing area, click 

To view it in real size, press 

Also, you can evaluate how the label will look with the limitations of a license in order to determine what license is right for you. To do this, use the list at the bottom right:

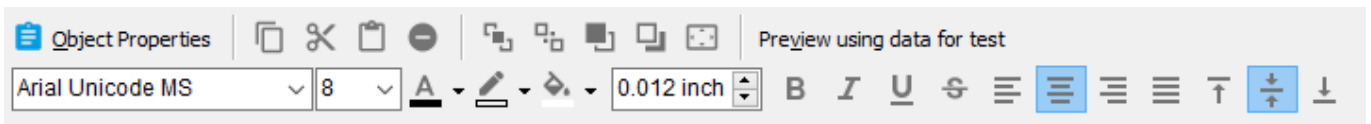


5.3.5 The panel for saving, undoing, repeating changes and opening the *Template Properties* form



- **Save:** saving changes to the template
- : undo of changes made
- : redo the changes made
- **Template Properties:** opening the *Template Properties* form

5.3.6 The panel for opening the *Object Properties* form and editing the object



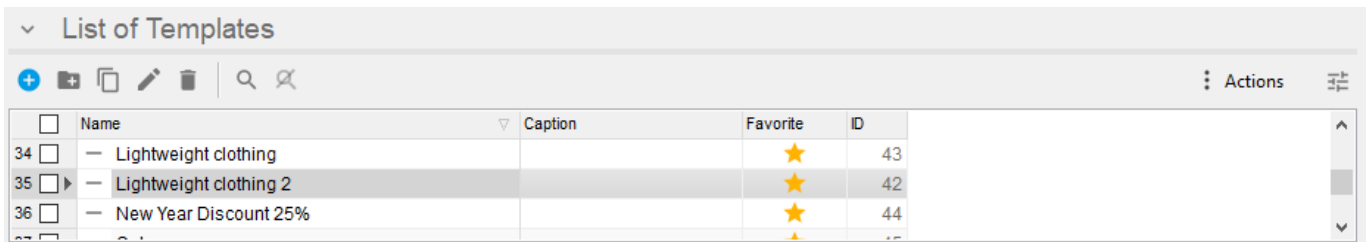
On the panel are often used tools for editing the properties of the object / group of objects tools.

- **Object Properties:** opening the *Object Properties* form to access all properties of the object

5.3.7 Panel *List of templates*

By default, this panel is hidden, for easy editing of the template.

To expand the panel, click on ^

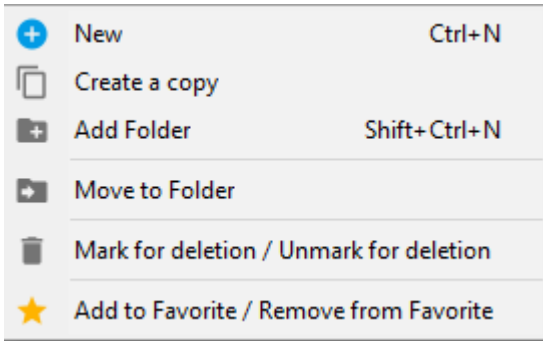


You can perform various actions with templates:

- Add
- Add folder
- Copy
- Change the name, description
- Mark for deletion
- Search

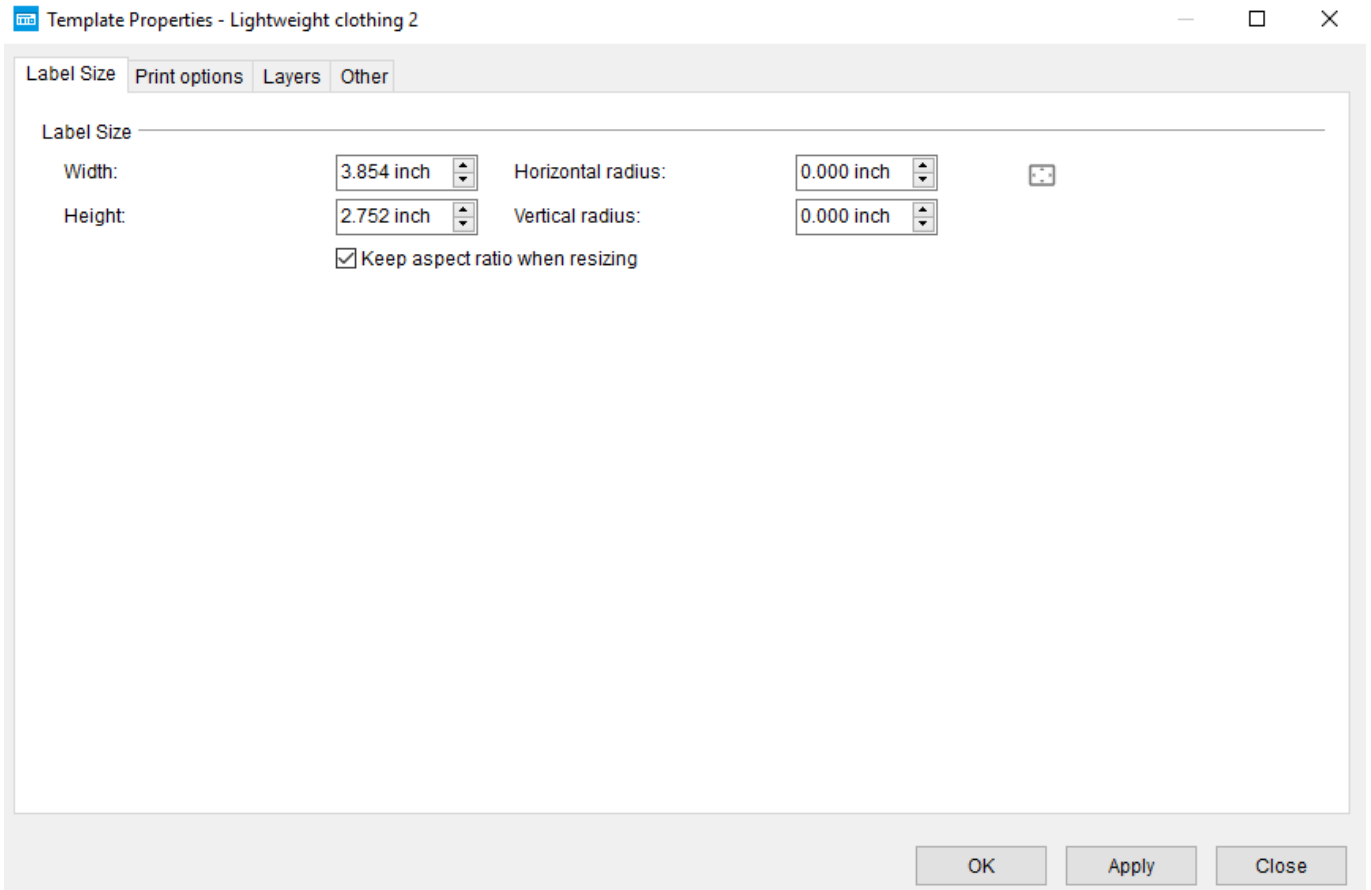
- Move to another folder
- Make your favorites

Some actions are available through the context menu of the template list:



5.3.8 Template Properties

5.3.8.1 Tab *Label Size*



The tab is intended for setting the dimensions of the label and its rounding radii.

5.3.8.2 Tab Print options

Template Properties - Lightweight clothing 2

Label Size | **Print options** | Layers | Other

Choose pre designed layout of labels

Page orientation
Portrait

Automatic layout of labels on the print page, automatic page margins and page size as selected by the user

Labels Layout

Horizontal count: 2 Horizontal gap: 0.050 inch
Vertical count: 3 Vertical gap: 0.040 inch
Print direction: From left to right and from top to bottom

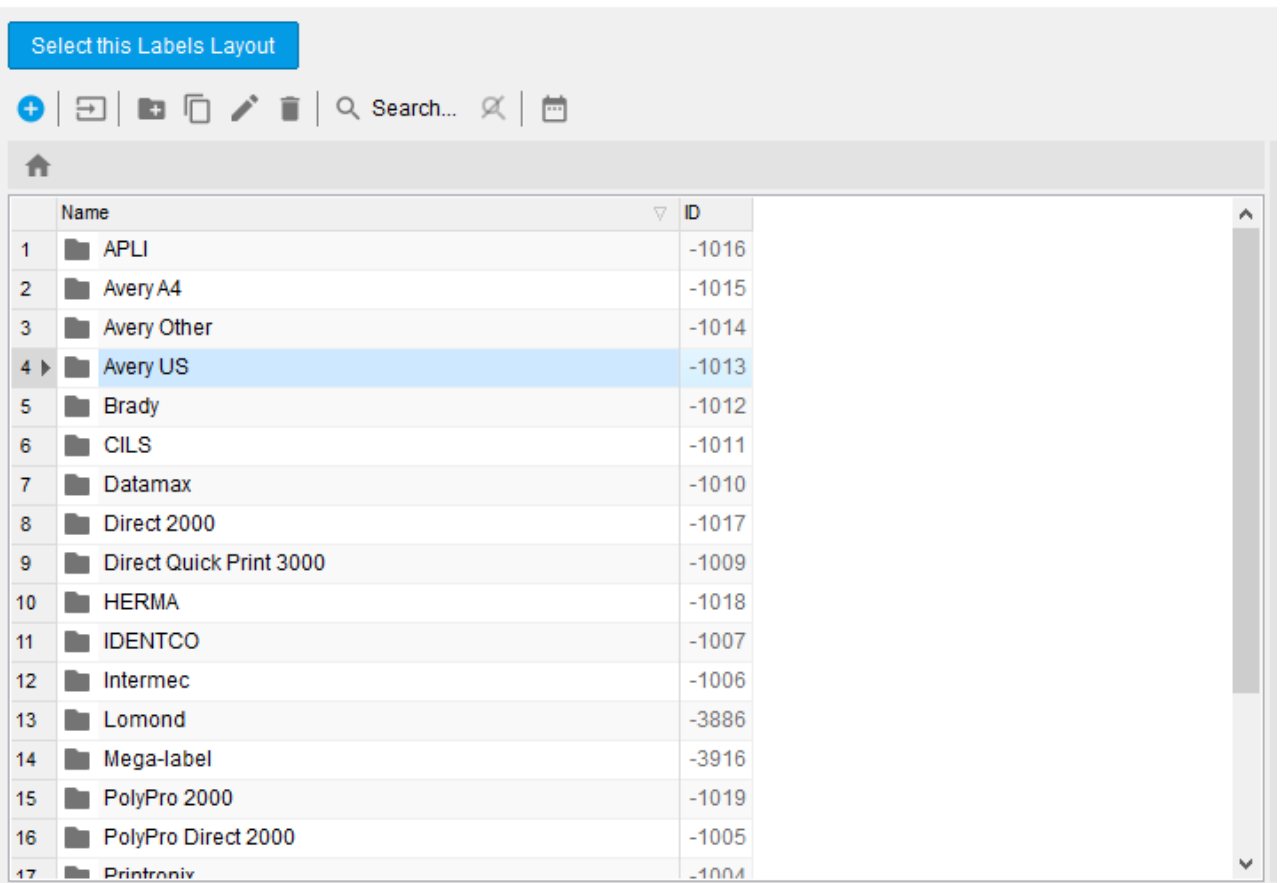
Page size
A4 Width: 8.268 inch
Height: 11.693 inch

Margins
Left: 0.040 inch Top: 0.060 inch
Right: 0.000 inch Bottom: 0.000 inch

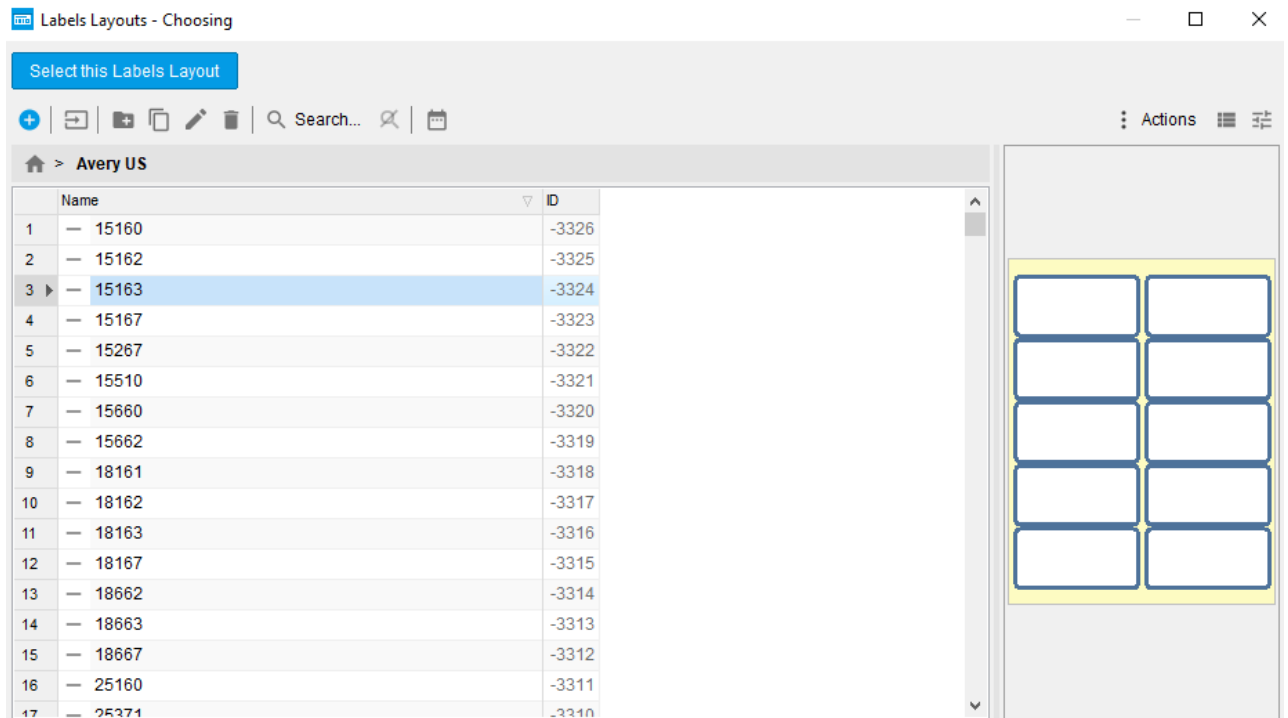
OK Apply Close

The tab is used to set the layout of labels on the page.

- **Automatic layout of labels on the print page:** if the checkbox is set, labels will be placed automatically based on the size of the label and the size of the print page that will be selected in the print settings.
- **Choose pre designed layout of labels:** when you click on the button, the layout form for the layout of the labels will open:



Expand the folder of the desired manufacturer and select the desired layout:



Click on the button 

Labels Layout

You can set the number of labels horizontally and vertically, the vertical and horizontal gaps between the labels, the direction in which the labels are printed.

Page size

You can select the page size from the list or manually set it.

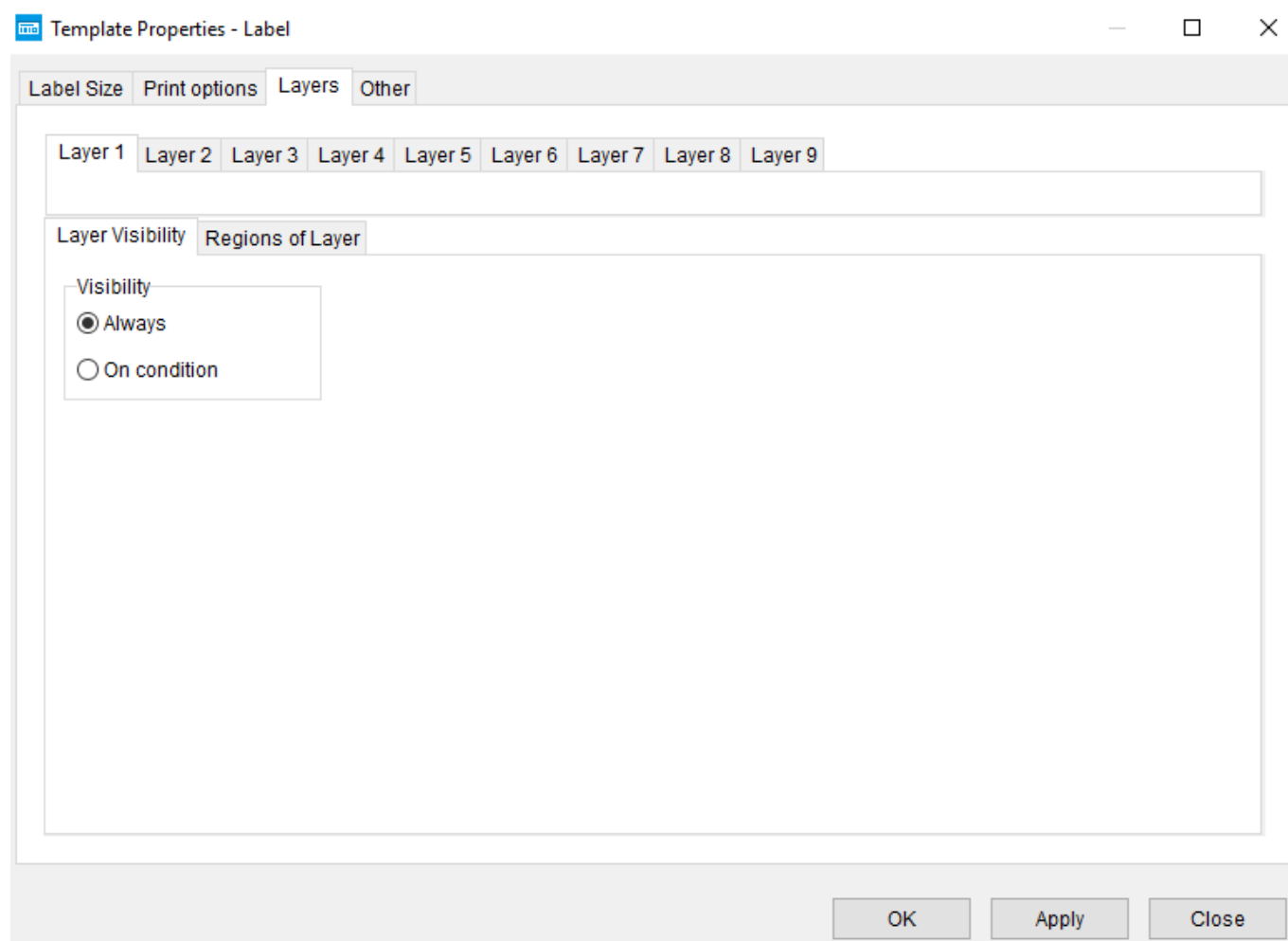
Page orientation

Select the desired page orientation.

Margins

Here you can set margins from the edges of the page.

5.3.8.3 Tab Layers



On this tab you can set the visibility of each layer under certain conditions. You can also configure the output of a repeating region and a footer for each layer.

Layer Visibility


Layer Visibility Regions of Layer

Visibility

Always

On condition

Layer will be visible if condition is true or formula will return 1

 Edit Condition

1

You can adjust the visibility of the layer, depending on the conditions in the form of a formula. If visibility conditions are specified for a layer, then they have priority over the visibility conditions for objects in this layer.

Regions of Layer

Layer Visibility Regions of Layer

Repeating Region:

Data Source: Bundle Contents

Direction of Region Output: Top Down

Offset: 0.000 inch

Number of Repetitions: 0

Starting at second repetition *0 - unlimited*

Footer Region:

Offset: 0.000 inch

On this tab you can configure the output parameters for the repeating area and the footer. Usually in the label, all data is output to the *Static region*, but if you need to display repeating information, for example, all product barcodes, then the *Repeating region* is used. After a repeating area, the *Footer* area can be displayed, which will be located immediately after the end of the repeating area.

Repeating region

- **Data Source:** here you can select a data source for a repeating region:

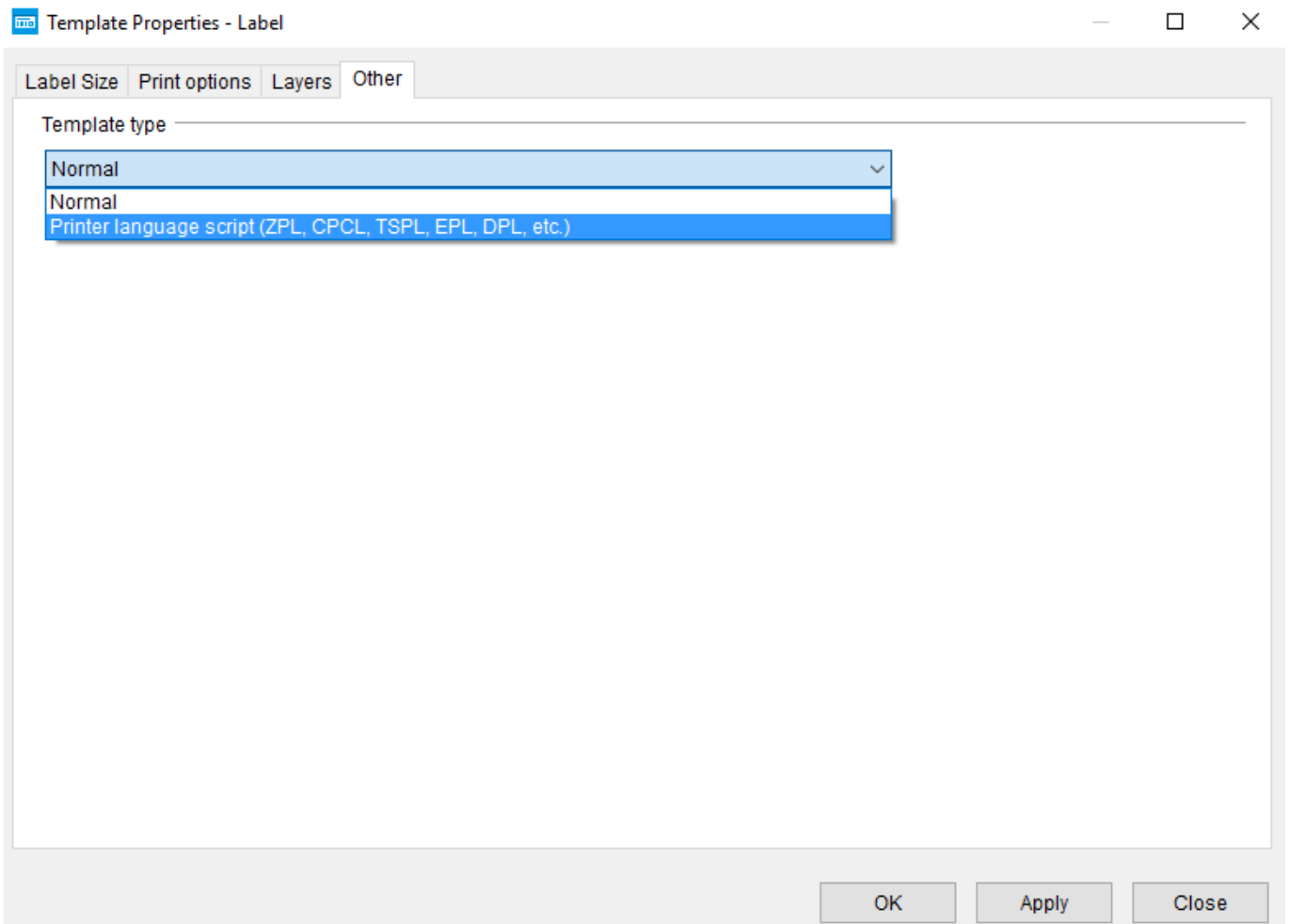
Data Source:

- **Direction of Region Output:** the area can be displayed from top to bottom or from left to right.
- **Offset:** specifies the offset between repetitions.
- **Number of Repetitions:** specifies the number of repetitions.

Footer region

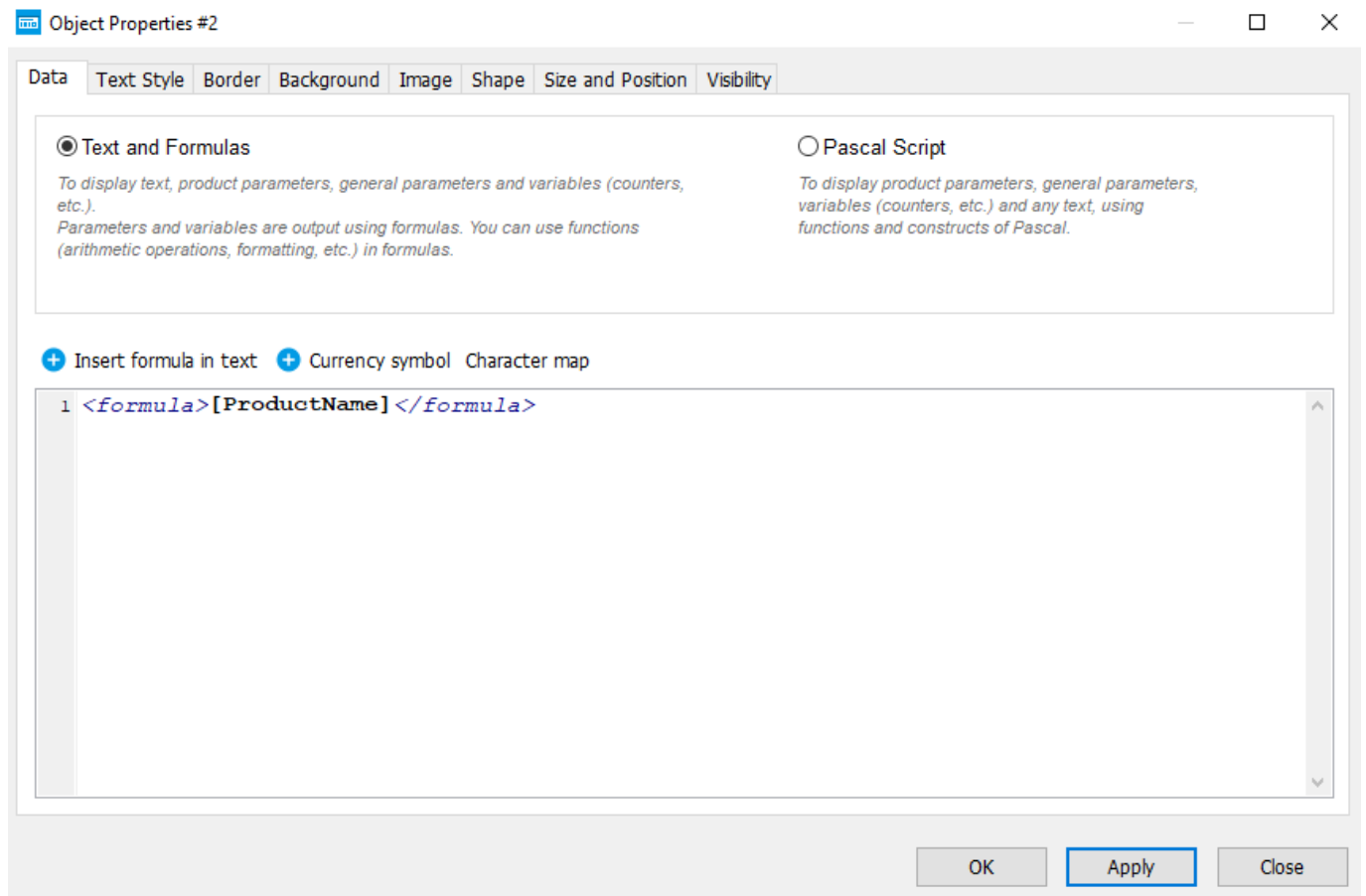
- **Offset:** sets the offset between the last repeat and the footer.

5.3.8.4 Tab *Other*



On this tab, you can select the type of template. When you select the "Printer language script" template type, a field will appear for entering the printer script and formulas for outputting parameters.

5.3.9 Object Properties




5.3.9.1 Tab *Data*


Here you can insert / change text and formulas or write a script in Pascal. The text and result of the work of formulas or Pascal script will be output within the boundaries of this object.

Text and Formulas

You can combine text with formulas, for example:

```
1 <formula>SKU [ProductSKU]</formula>
```

To add a formula, click the **Insert formula in text**  button, to change the formula, click **Change formula**  formula. In both cases, [Formula designer](#) will be opened.

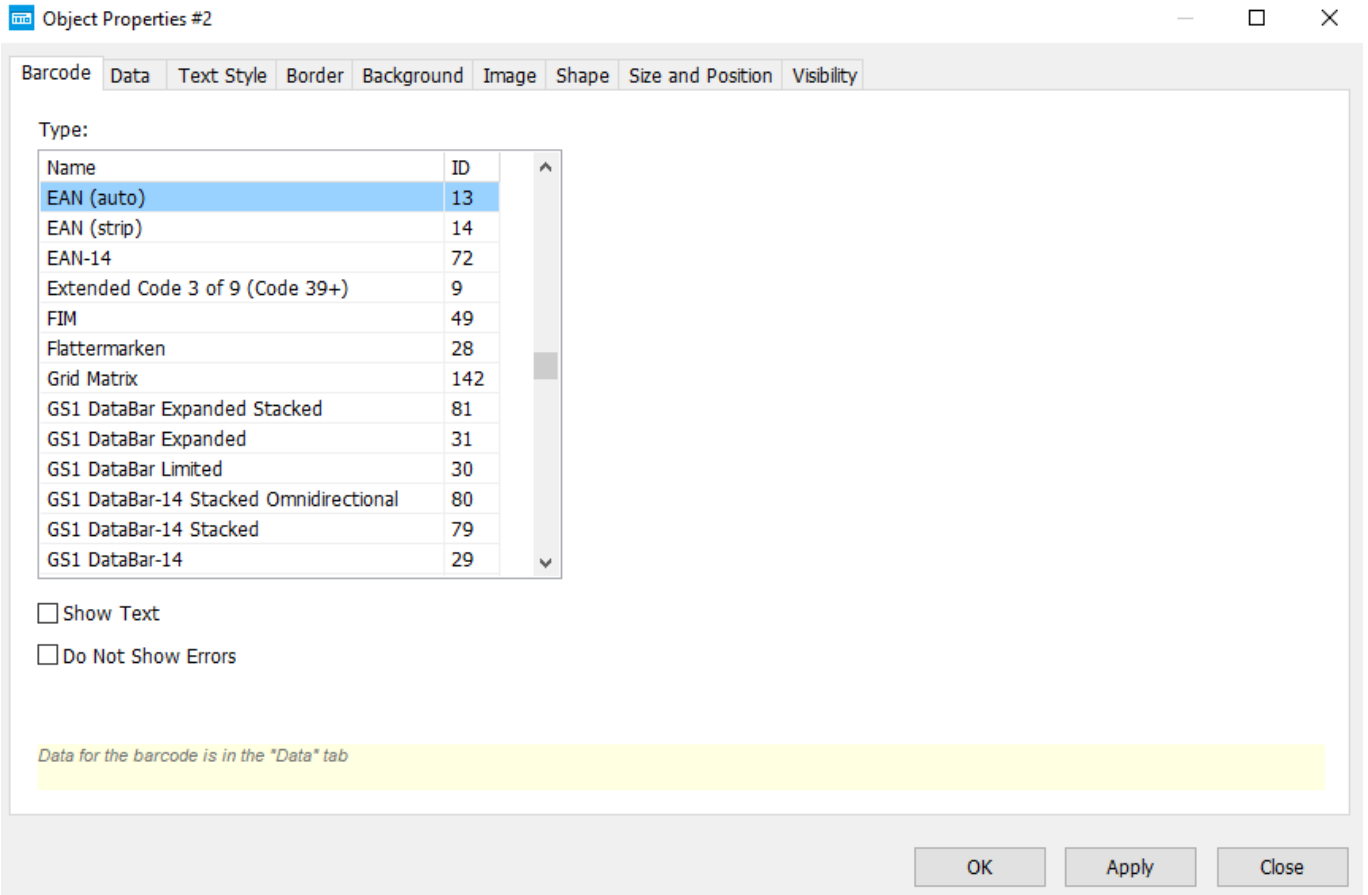
Also, you can add a currency symbol to the text with the **Currency symbol**  button or any symbol available from the Windows character table with the **Character map** button.

Pascal scripts

Instead of formulas, you can use a script in Pascal, which allows you to use all the features of this language.

5.3.9.2 Tab *Barcode*

The tab is visible only if the object type is *Barcode* or *2D Barcode*.



- **Type:** you can select the desired barcode type from more than 50 types. If type *Auto* is selected, the program will analyze the length of the barcode and other parameters, and automatically determine the appropriate type:
 - **If the barcode contains only numbers:** depending on the length of the barcode and the *Calculate Checksum* checkbox, UPC E, UPC A, EAN 8, EAN 13 or CODE 128 will be selected
 - **If the barcode contains not only numbers:** if the barcode contains characters that are valid for CODE 39, CODE 39 will be selected, otherwise CODE 128 will be selected
- **Show Text:** if the checkbox is set, then the barcode will be displayed not only in coded form, but also in the form of text / numbers:



- **Do Not Show Errors:** if the checkbox is set, errors related to the wrong barcode transmitted to the template will not be displayed. Otherwise, the errors will be displayed as a red rectangle with

the error text:

Wrong barcode
EAN Auto (error:
Invalid check digit
(C65)):
4607017160491

For some types of barcodes, additional settings will be shown:

Type:

| Name | ID |
|-------------------------|-----|
| DAFT Code | 93 |
| Data Matrix | 71 |
| Deutsche Post Identcode | 22 |
| Deutsche Post Leitcode | 21 |
| DotCode | 115 |
| Dutch Post KIX Code | 90 |
| EAN (auto) | 13 |
| EAN (stripe) | 14 |
| EAN Composite | 130 |
| EAN-14 | 72 |
| FIM | 49 |
| Flattermarken | 28 |
| Grid Matrix | 142 |

Size

Auto

Additional settings in Auto Mode

Suppress Rectangular Symbols

GS1 Data Mode

Notation for Application Identifiers (AIs):

(round bracket)

Multi-language support

5.3.9.3 Tab Text Style

Barcode Data Text Style Border Background Shape Size and Position Visibility

Font Position

Font: Segoe UI

Style: **B** *I* U ~~S~~

Brush Type: Solid

Color: ██████

Size: 8

Autosize

Reduce text at the exit of object dimensions

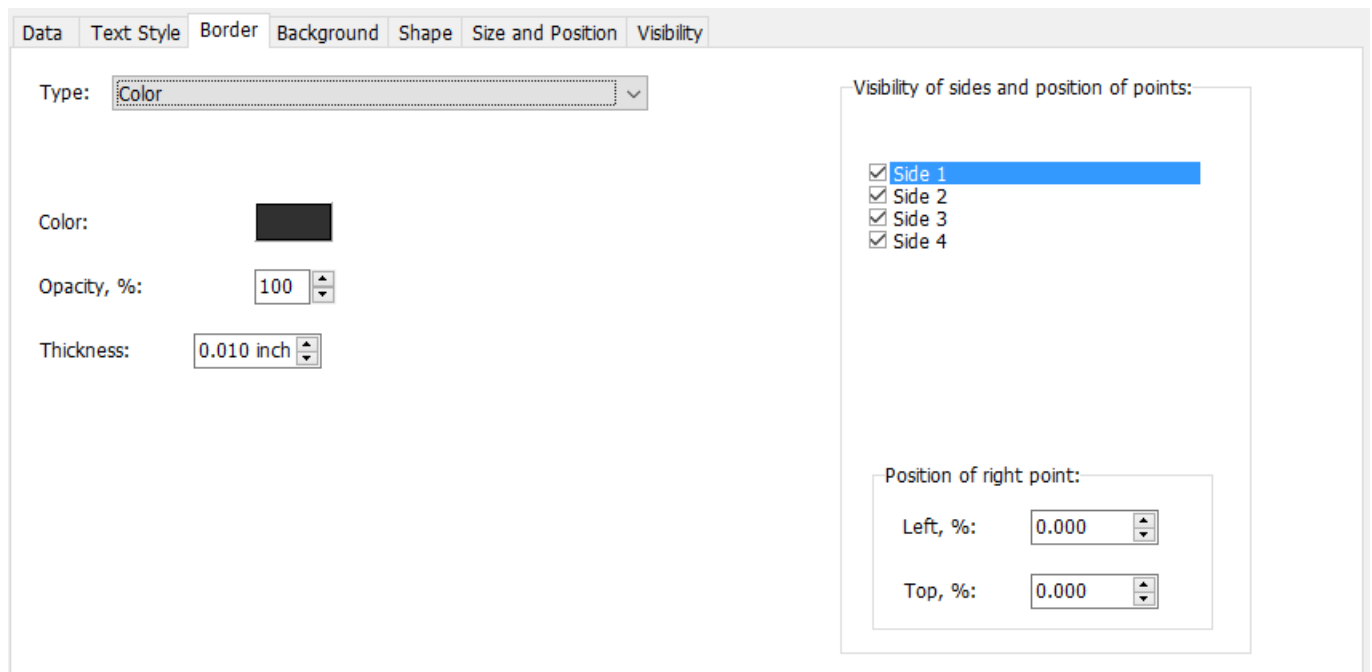
Min.size: 4

Opacity, %: 100

On the tab, you can specify the style of the text displayed by the object: font and its parameters, paragraph parameters, autosize of the font, etc.

- **Autosize:** if the checkbox is set, then the font size will be calculated automatically according to the rules:
 - **Reduce text at the exit of object dimensions:** if the text does not fit into the boundaries of the object, the font size will be reduced so that the text size fits into the object's size. The font size can not be less than the specified minimum font size.
 - **Fit the text in object size:** the font size will be chosen so that the text size fits into the size of the object. The font size can not be less than the specified minimum font size and can not exceed the specified maximum font size.

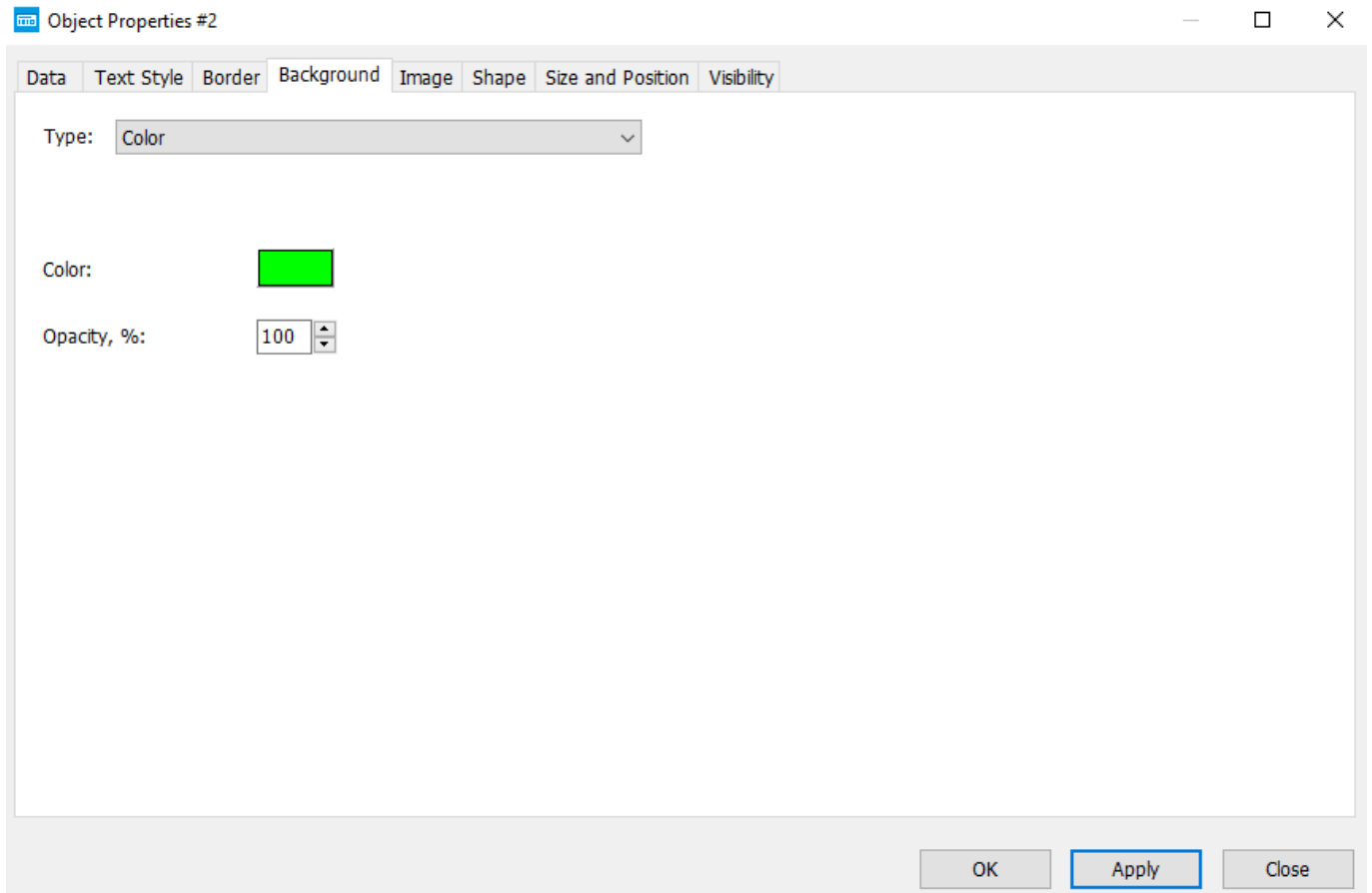
5.3.9.4 Tab *Border*



On the tab, you can set the border style, as well as for polygonal objects (rectangle, triangle, etc.) visibility of the sides.

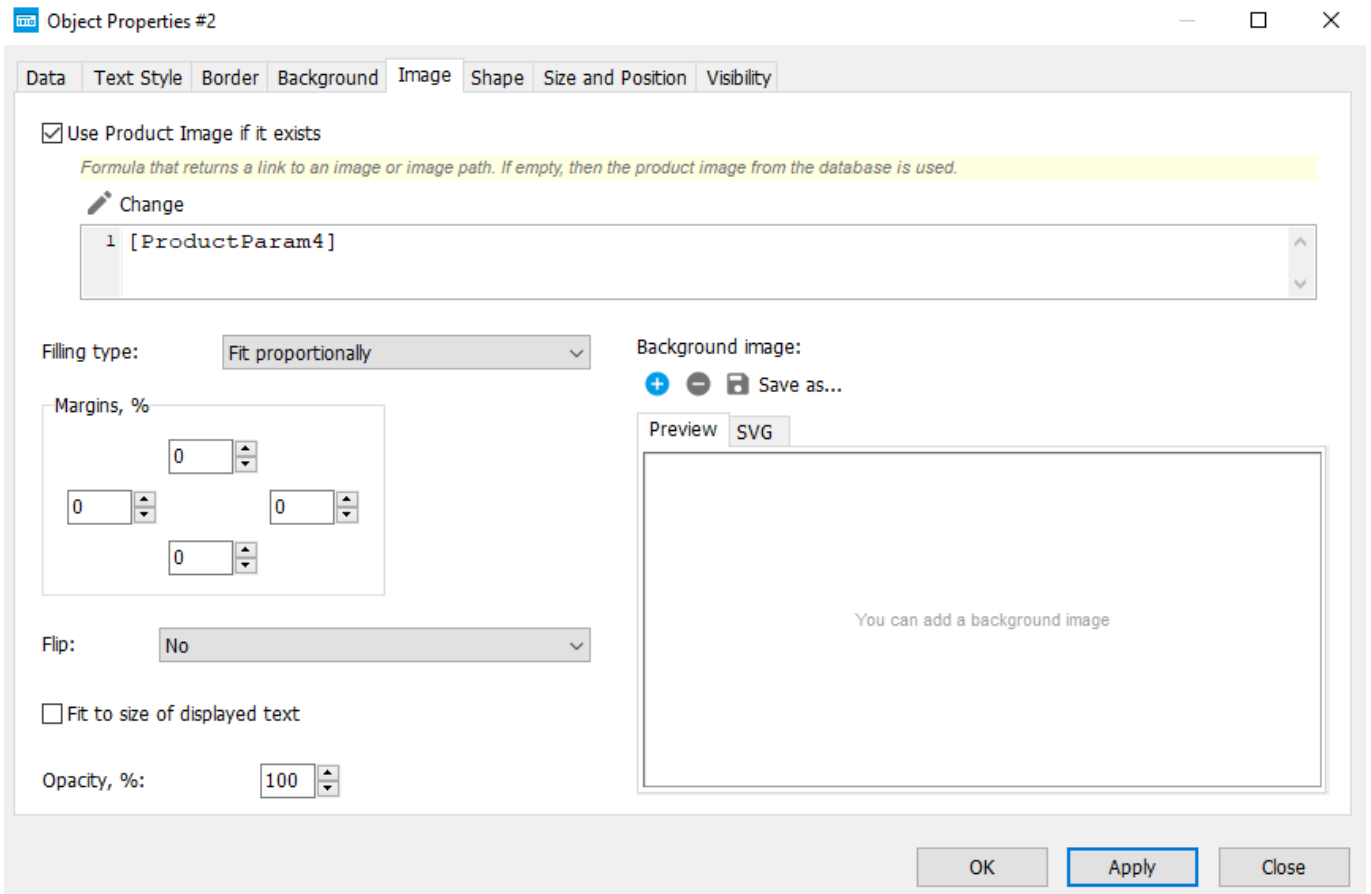
In addition, you can specify the position of the vertices of the polygon relative to the boundaries of the object, which allows you to form figures other than the standard ones.

5.3.9.5 Tab *Background*



Here you can set the fill style.

5.3.9.6 Tab Image



Here you can customize the output of the image (background and / or product).

- **Use Product Image if it exists:** if the checkbox is set, then if there is an image of the product, the image of the product will be used as the background image, otherwise the background image (if it is specified) will be used.

The image of the product can be taken directly from the database of the program, and can also be obtained by reference to the image on the Internet or through the path to the image on disk / local resource. To get the link / path, use the formula.

Examples of formulas:

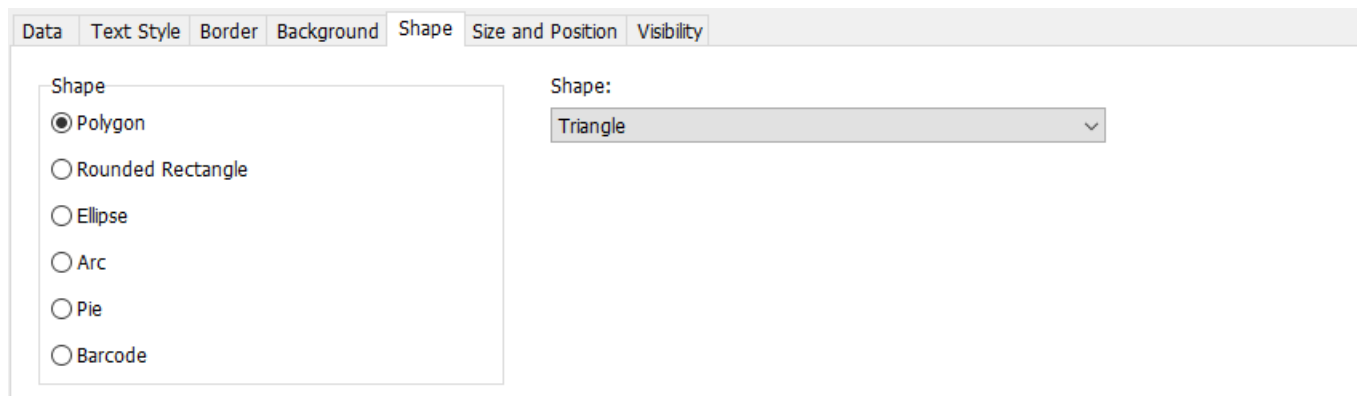
[ProductParam4]

the formula will use the link / path from the [ProductParam4] parameter. When printing directly from the program - this is the data from the column "Parameter 4" of the product catalog or Printable Data;

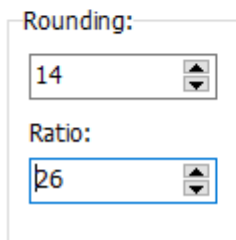
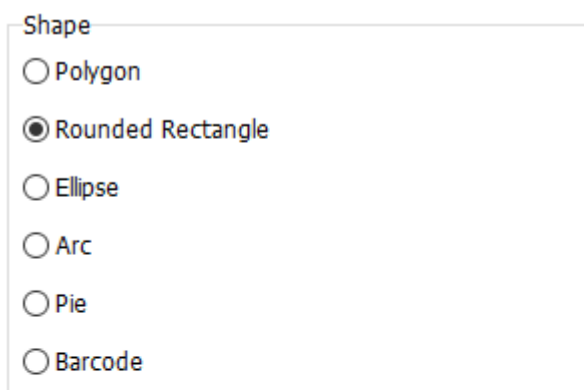
"http://goods.com/image.jpg"

static link formula.

5.3.9.7 Tab Shape



On this tab you can change the object type and specify parameters specific to certain types of objects. For example, for *Rounded Rectangle*, this is *Rounding* and *Ratio*:



5.3.9.8 Tab Size and Position

Barcode Data Text Style Border Background Image Shape Size and Position Visibility

Left: 2.748 inch
Top: 2.376 inch
Width: 1.035 inch
Height: 0.321 inch
Rotation angle: 0.0 °

Fit size to size of displayed text

Constraints

Max Height: 0.000 inch Max Width: 0.000 inch
Min Height: 0.000 inch Min Width: 0.000 inch

Anchors:

Left: Not
Top: Not
Right: Not
Bottom: Not

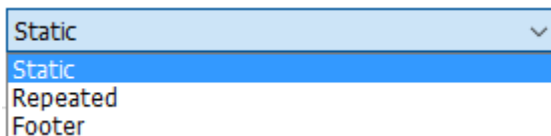
Layer and Region of Layer:

Layer: 1 Region of Layer: Static

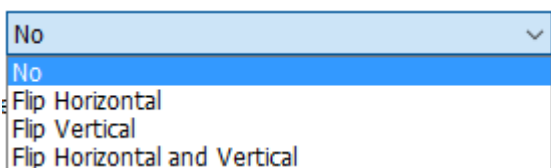
Flip: No

Here you can specify the size and position of the object relative to the template, the rotation angle, etc.

- **Fit size to size of displayed text:** if the checkbox is set, the boundaries of the object will be set according to the size of the text displayed by the object.
- **Layer:** the number of the layer to which the object belongs.
- **Region of Layer:** type of the area of the layer to which the object belongs:



- **Flip:** allows you to display the object as reflected:



Constraints

You can set the maximum and minimum sizes of the object for cases when these sizes can change, for example, when binding to another object or fitting the size to the size of displayed text.

Anchors

You can bind the sides of an object to the sides of other objects, so that when the size of another object changes, this object follows this change. To make a binding:

Anchors:

Left: Margin:

- choose the side of this object that will be tied (left, right, top, bottom)
- select the side of the other object to which you want to bind
- select the ID of another object from the list
- set the margin between the parties to be tied

5.3.9.9 Tab *Visibility*

Visibility

Always

On condition

Object will be visible if condition is true or formula will return 1

Edit Condition

1

Not printable

Here you can specify the conditions in the form of a formula, under which the object will be visible.

If the object should not be printed, set the flag "Not printable". Then the object will be visible in the process of editing the template, under the conditions of visibility, but will not be printed.

An example of a visibility condition:

```
1 [ProductParam4] = "123"
```

In this case, the object will be visible if the product parameter [ProductParam4] (when printing directly from the program - this is the data from the "Parameter 4" column) will have the value 123.

5.3.10 Formula designer

The formula designer is used to easily create / edit formulas.

Formula Designer

Initial Value:

Type: Product Parameter, General Parameter, Variable Negative

[ProductPrice] (Price)

Functions (discounts, formatting etc)

Functions are executed in sequence from top to bottom

+ | - | ↑ | ↓

| Function | Caption |
|--------------------|---------------------------------|
| AddPercent(12.3) | Adds or subtracts percentages |
| ▶ Round("0.5") | Rounds with a certain precision |

Text of Formula:

[ProductPrice] AddPercent(12.3) Round("0.5")

OK Cancel

- **Type:** type of initial value. Depending on the type, the way to select / enter the initial value will differ.
- **Negative:** if the checkbox is set, then the sign of the initial value changes to the opposite one. If this is a positive number, then it becomes negative and vice versa.

Functions

Here you can add / change / delete functions, and change their position in the list. The position of the function in the list determines the moment of its execution (the higher, the earlier).

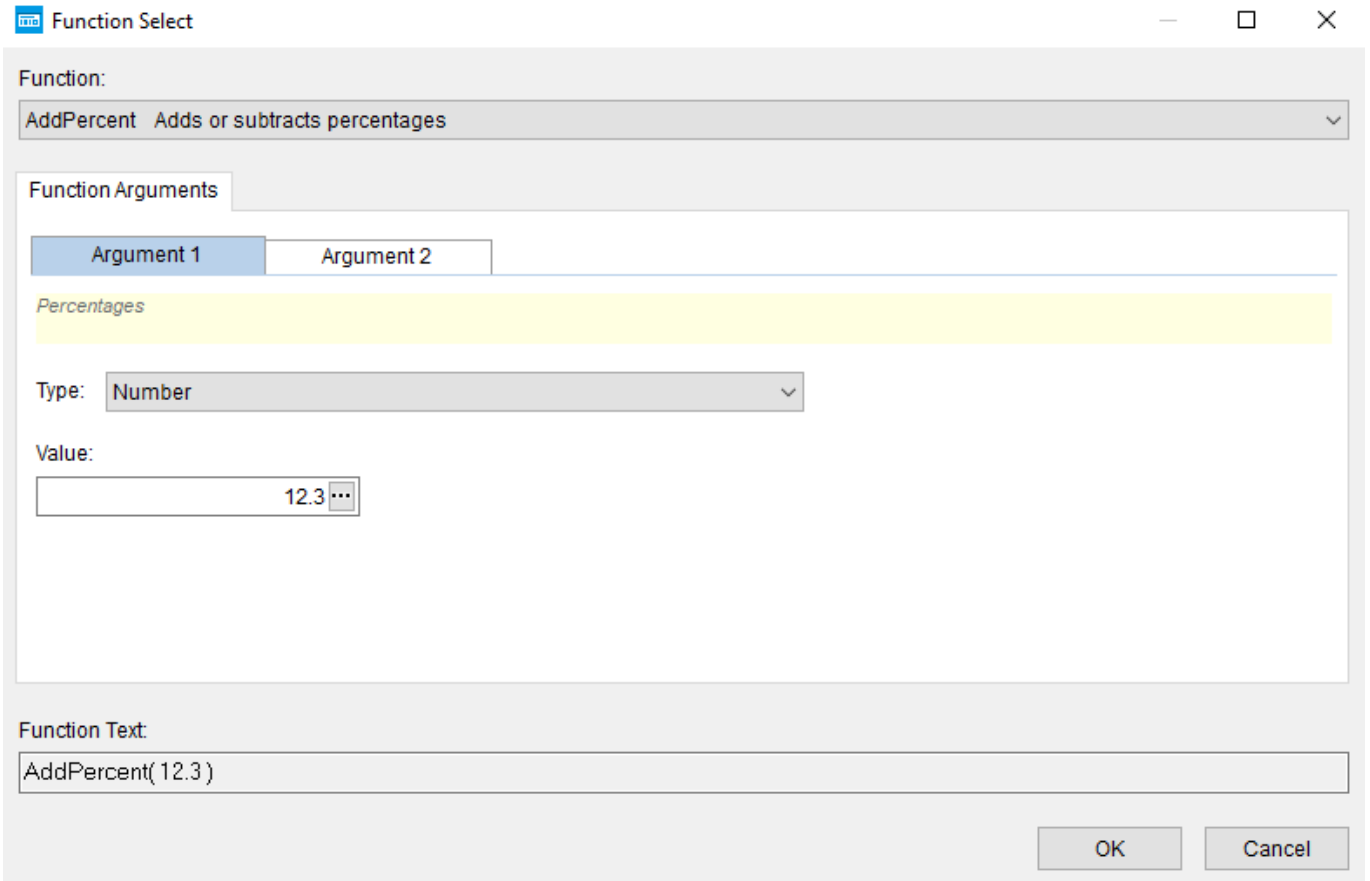
When you add or change a function, the function selection form will open.

Text of Formula

The resulting text of the formula.

5.3.10.1 Function selection form

The form is intended for selecting a function, setting function arguments and adding the selected function to the formula.



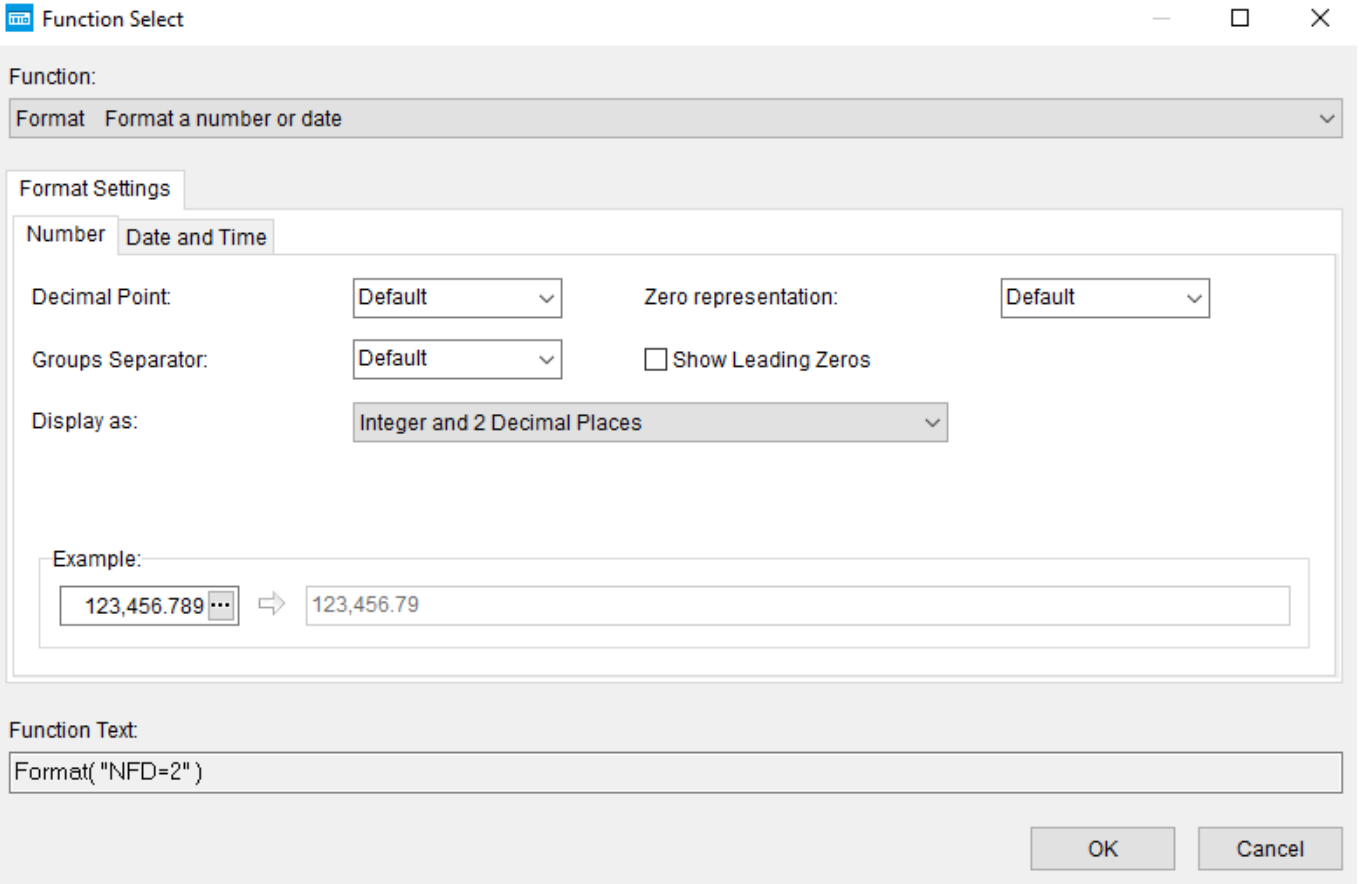
- **Function:** the desired function is selected here.

After selecting a function, set the argument values of the selected function and press OK.

Formatting Function

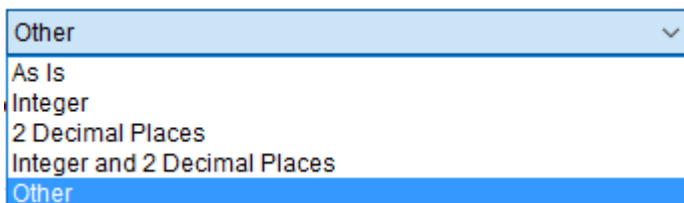
To bring the displayed value to a specific view, use the Format function (formatting numbers and date / time).

If you select the Format function, the form will look different:



Number

- **Decimal Point:** a symbol that will separate the integer part from fractional.
- **Zero representation:** the character to be used if the value of the number is zero.
- **Groups Separator:** a symbol that will be used to divide groups (thousands, millions, etc.) numbers.
- **Show Leading Zeros:** if the checkbox is set and the length of the integer specified by the parameters of *Number of Digits* and *Decimal Places* is greater than the actual length of the integer part of the displayed number, the number will be padded with zeros to the left to the specified length of the integer part.
- **Display as:** here you can specify in what form the number will be displayed:



- **As Is:** the number is displayed unchanged.
- **Integer:** only the integer part of the number is displayed.
- **2 Decimal Places:** Only 2 digits of the fractional part of the number are displayed.

- **netefer and 2 Decimal Places:** displays the integer part and only 2 digits of the fractional part of the number.
- **Other:** you can specify the parameters for displaying the number:

Number of Digits: Decimal Places: In words:

- **Number of Digits:** the total number of digits of a number is the integer and fractional parts.
- **Decimal Places:** the number of digits to display the fractional part of the number.
- **In words:** output as text in words.

Date and Time

Number Date and Time

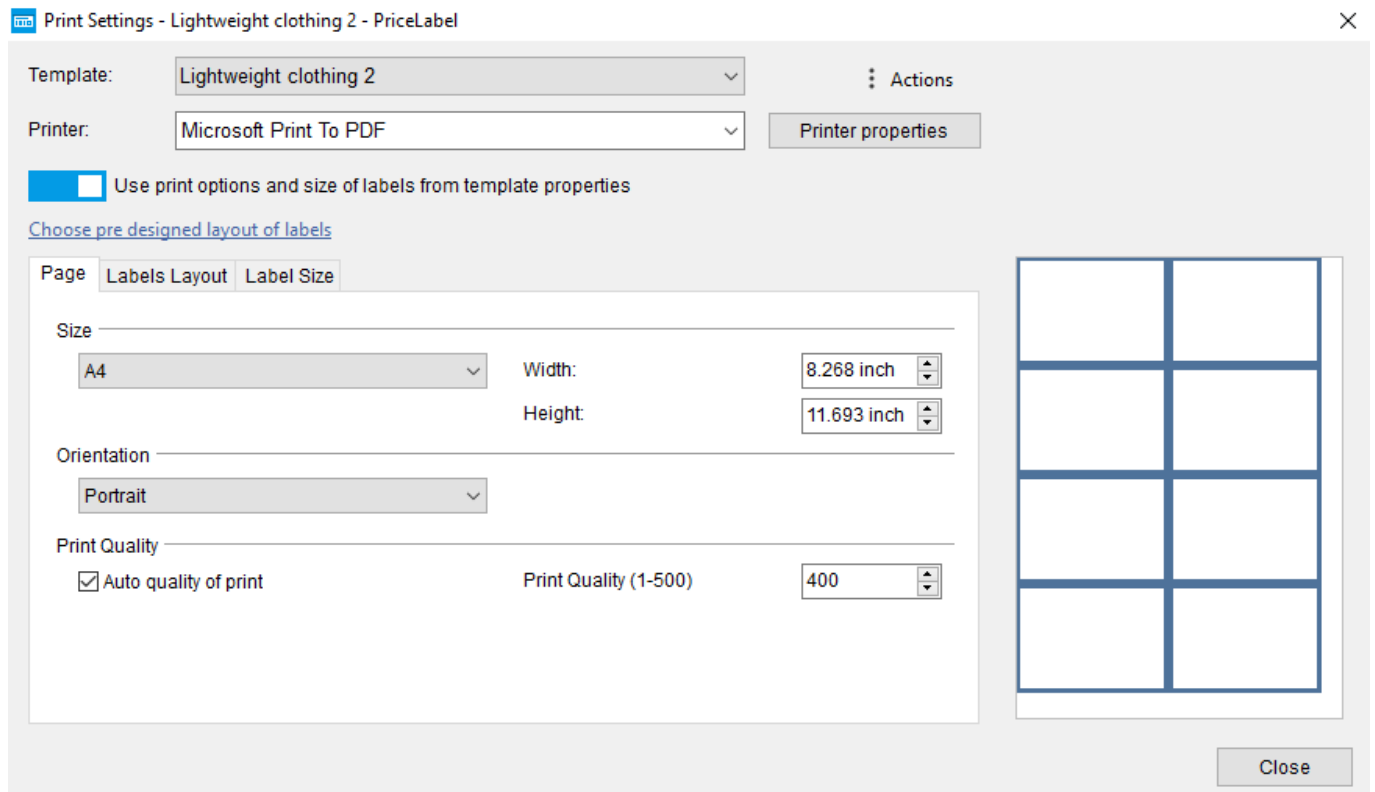
Date and Time Format:

Example:

→

- **Date and Time Format:** format of the output date.
 - **d:** day without leading zero (1-2 digits);
 - **dd:** day with leading zero (2 digits);
 - **M:** month without leading zero (1-2 digits);
 - **MM:** month with leading zero (2 digits);
 - **MMM:** abbreviated name of the month;
 - **MMMM:** the full name of the month;
 - **yy:** year 2 digits;
 - **yyyy:** year 4 digits;
 - **h:** hour without leading zero (1-2 digits);
 - **hh:** hour with leading zero (2 digits);
 - **n:** minutes without leading zero (1-2 digits);
 - **nn:** minutes with leading zero (2 digits);
 - **s:** seconds without leading zero (1-2 digits);
 - **ss:** seconds with leading zero (2 digits);

6 Print Settings

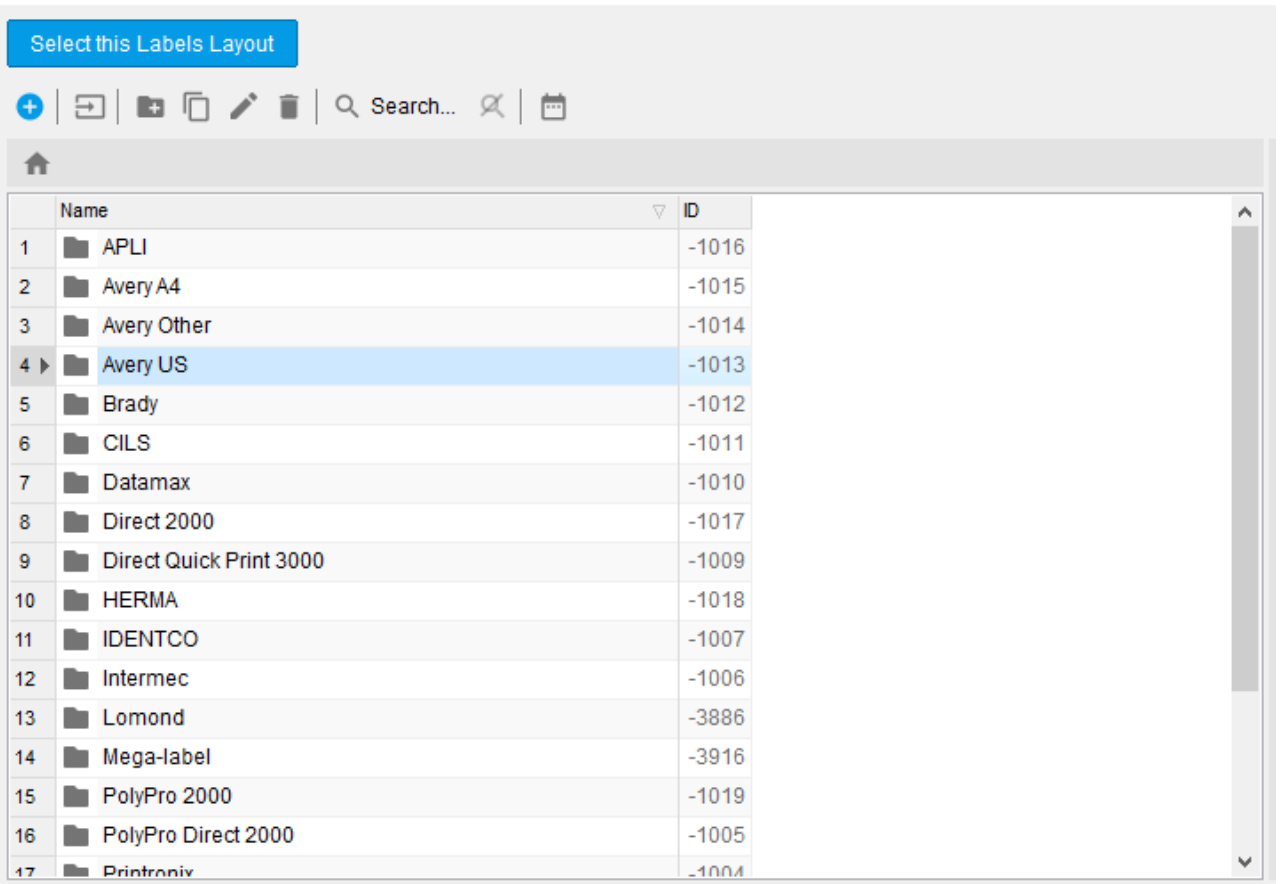


The form is intended to change the settings before printing / saving labels to a file.

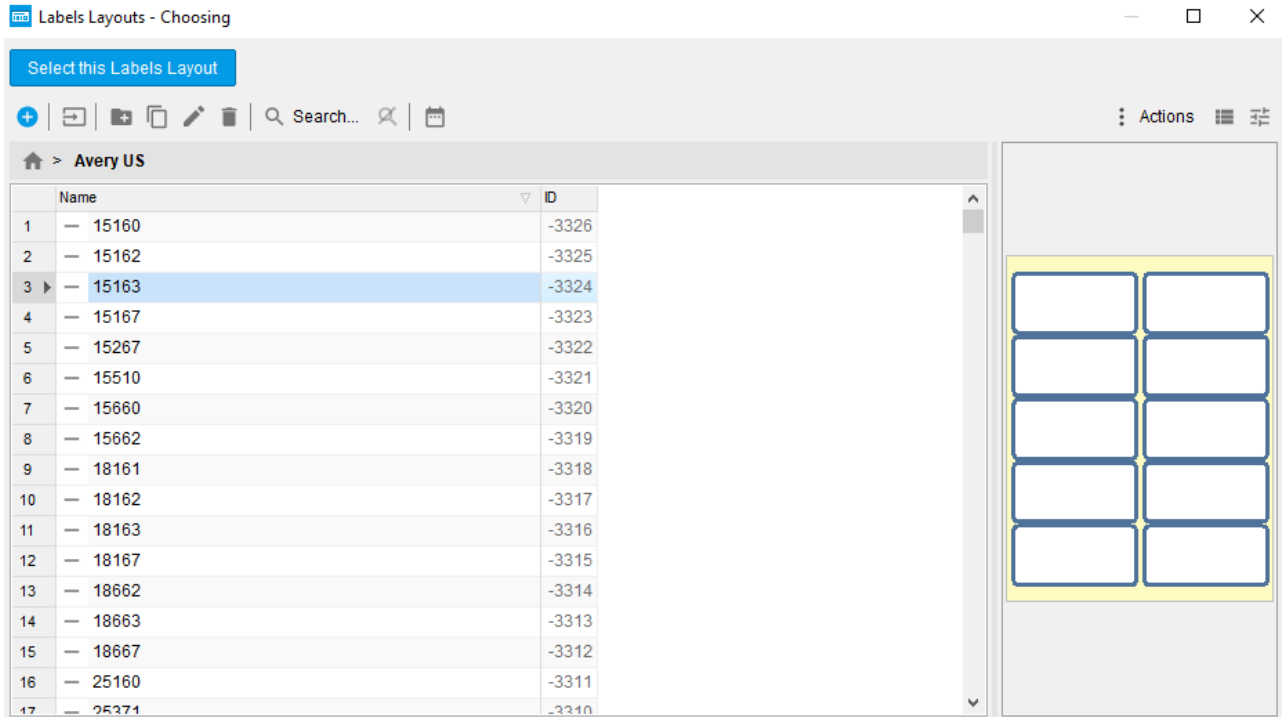
Any changes to the print settings are stored in the program database.

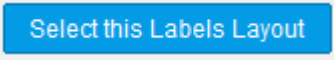
The print settings are saved with the Template-Printer binding, i.e. for each template there will be different settings for different printers. In multi-user mode, print settings are saved with the User-Template-Printer binding, i.e. for each user their print settings.

- **Template:** the label template whose settings you see.
- **Printer:** the printer that will print the labels. This can be a local printer, network printer or any, for example, local printer from another computer.
- **Use layout of labels from template properties:** if the checkbox is set, then the sizes and location of labels from the [Layout of labels on the print page](#) tab of the template properties will be used.
- **Choose pre designed layout of labels:** when you click on the button, the form for selecting the layout of the labels will open:

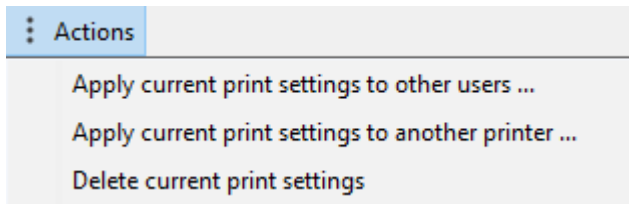


Expand the folder of the desired manufacturer and select the desired layout:



Press the button 

- **Printer Properties:** pressing the button displays the printer settings dialog.
- **Menu Actions:**



- **Apply current print settings to other users:** allows you to apply the settings for another user(s) in multi-user mode. Clicking will open the form of selecting users for which you want to apply these settings.
- **Apply current print settings to another printer:** allows you to apply the settings for another printer / saving to a file. Clicking will open the form of selecting printer for which you want to apply these settings.
- **Delete current print settings :** removes the current settings from the program database.

6.1 Tab Page

Size

Here you can select from the list or manually set the size of the page on which the labels will be printed.

Orientation

You can select the orientation of the page.

- **Auto orientation:** if the checkbox is set, the page orientation will be selected automatically so that the maximum number of labels is placed on the page, taking into account the size of the labels, the gaps between them and the margins.

Print Quality

Print quality determines the accuracy and speed of drawing labels. The higher the number, the better, but slower, print.

- **Auto quality of print:** if the checkbox is set, the print quality will be determined automatically based on the page size.

6.2 Tab Labels Layout

The screenshot shows a software window with three tabs: 'Page', 'Labels Layout', and 'Label Size'. The 'Labels Layout' tab is selected. It contains two sections: 'Labels Layout' and 'Margins'. In the 'Labels Layout' section, there is an unchecked checkbox for 'Auto placement'. Below it are four spinners: 'Horizontal count' (2), 'Vertical count' (3), 'Horizontal gap' (0.00 mm), and 'Vertical gap' (0.00 mm). A dropdown menu for 'Print direction' is set to 'Top to bottom and left to right'. The 'Margins' section has a checked checkbox for 'Auto detect margins'. Below it are four spinners: 'Left' (6.39 mm), 'Right' (6.39 mm), 'Top' (4.28 mm), and 'Bottom' (4.28 mm).

Labels Layout

Here you can set the number of labels horizontally and vertically, the vertical and horizontal gaps between the labels, the direction in which the labels are printed.

- **Auto placement:** if the checkbox is set, then the number of labels horizontally and vertically will be determined automatically, based on the size of the label, the gaps between the labels and the margins.

Margins

Here you can set the margins to the left, right, top and bottom.

- **Auto detect margins:** if the checkbox is set, the minimum margins from the printer settings will be set.

6.3 Tab *Label Size*

The screenshot shows a software window with three tabs: 'Page', 'Labels Layout', and 'Label Size'. The 'Label Size' tab is active. It features a 'Label Size' section with four input fields: 'Width' (3.854 inch), 'Height' (2.752 inch), 'Horizontal radius' (0.000 inch), and 'Vertical radius' (0.000 inch). Below these are two checkboxes: 'Keep aspect ratio when resizing' (checked) and 'Scale when page size is exceeded' (checked). There are two buttons: 'Set from template properties' and 'Fit to page'. Below these is an 'Offset' section with two input fields: 'Left' (0.000 inch) and 'Top' (0.000 inch).

Label Size

Here you can specify the dimensions and radii of the label.

- **Keep aspect ratio when resizing:** if the checkbox is set, if the width is manually changed, the height will be changed proportionally, and vice versa.
- **Scale when page size is exceeded:** if the checkbox is set and the size of the label exceeds the page size, the size of the label when printing will be reduced to fit into the size of the page, taking into account the margins.
Works only if one label is printing on the page (for example, when printing labels on a label printer).
- **Set from template properties:** when you click on the button, the dimensions and radii of the labels will be taken from the [Template properties](#).
- **Fit to page:** when the button is pressed, the label sizes will be set so that the labels do not go beyond the boundaries of the page. This takes into account the current number of labels on the page horizontally, vertically, the gaps between the labels and the margins.

Offset

Sets the offset of all printed labels from the left and top edges of the page.

7 Table Settings

Table settings - Products

List: **Hierarchical list** Fixed columns: 1

+ Add Column

| | | Column |
|----|-------------------------------------|------------------|
| 1 | <input checked="" type="checkbox"/> | Name |
| 2 | <input checked="" type="checkbox"/> | Number of labels |
| 3 | <input checked="" type="checkbox"/> | SKU |
| 4 | <input checked="" type="checkbox"/> | Code |
| 5 | <input checked="" type="checkbox"/> | Caption |
| 6 | <input checked="" type="checkbox"/> | Characteristic |
| 7 | <input checked="" type="checkbox"/> | PLU |
| 8 | <input checked="" type="checkbox"/> | Price |
| 9 | <input checked="" type="checkbox"/> | Discount |
| 10 | <input checked="" type="checkbox"/> | Old Price |
| 11 | <input checked="" type="checkbox"/> | Unit |
| 12 | <input checked="" type="checkbox"/> | Country |
| 13 | <input checked="" type="checkbox"/> | Brand |
| 14 | <input checked="" type="checkbox"/> | Stock |
| 15 | <input checked="" type="checkbox"/> | Color |
| 16 | <input checked="" type="checkbox"/> | Size |
| 17 | <input checked="" type="checkbox"/> | Weight |

Column Properties

Width: 150

Name: [Default](#)
Number of labels

Parameter in Template:
ProductLabelCount

Display format: 0.00

The form is intended for customizing the appearance of tables. Also, this form, opened from the product catalog, allows you to add new columns to the product catalog.

Type

- **List:** a table in the form of a list, without grouping by folders. Folders are not shown.
- **Hierarchical List:** products are grouped by folders. Not all folders in the catalog are displayed, but only the current folder, its contents and the parent folders of the current folder.

- **Add Column:** when pressed, the window for adding a new column will open:

Adding a column to the table [Close]

Name:

Type: Size (in symbols): 0 - unlimited

Parameter Name:

*Parameter Name in Templates.
Only letters and numbers. Begins with letter. Maximum 50 symbols.*

Inner ID:

[OK] [Cancel]

- **Name:** the name of the new column.
- **Type:** data type in a new column:

String
String
Integer
Float
Date
Boolean

- **Size (in symbols):** the maximum size of the string that will be stored in the new column. Only for a string data type.
- **Parameter Name:** the name of the parameter that can be used in the label templates to display the data of this column in the label.

Column Properties

- **Width:** column width in points.
- **Parameter in Template:** the name of the parameter that can be used in the label templates to display the data of this column in the label.

- **Display format:** allows you to specify in what form the numerical data will be displayed (number of decimal places, currency display, etc.).

8 Program settings

8.1 Section *Database*

- **Single User Mode:** if the checkbox is set, then the program runs in single-user mode, otherwise in multiuser (client-server) mode.


8.1.1 Single-user mode of operation (license Free, Lite, Professional or trial mode)



Database

Single User Mode


Database: [Default](#)

C:\ProgramData\PriceLabel8\db.fdb 

In this mode, the program works with a local database located on this computer or external media connected to this computer.

Database

The path to the database file.

- **Default:** when you click on a link, the path is set to the default value.
- : when you click on the button, the dialog for selecting the database file opens.

8.1.2 Multi-user mode (Corporate license or trial mode)

In this mode, the program works in client-server mode, when the database is located on one computer (server), and other computers (clients) connect to this database through a computer network or via RDP.

A computer server is also a client and can be used as a workplace.

- **Database is located on this computer (this is server):** if the checkbox is set, then this computer is a server computer and the following services will be launched on this computer: database server and license server.

8.1.2.1 Server (the computer on which the database is located)

Database

Single User Mode

Database is located on this computer (this is server)

Database: [Default](#)
C:\ProgramData\PriceLabel8\ldb.fdb


Address and Ports of Database Server: [Default](#)
127.0.0.1 42841 42842

Address for Client settings:
192.168.124.101

Restart Database Server

Database

The path to the database file.

- **Default:** when you click on a link, the path is set to the default value.
- : when you click on the button, the dialog for selecting the database file opens.

Address and Ports of Database Server

Here you can specify the network interface address through which the database server and the license server will interact with client computers.

For the client-server version to work, you must open these ports for incoming connections.

Address fo Client settings

Here you can copy the server address for use in client settings.

8.1.2.2 Client (the computer that connects to the server)

Database

Single User Mode

Database is located on this computer (this is server)

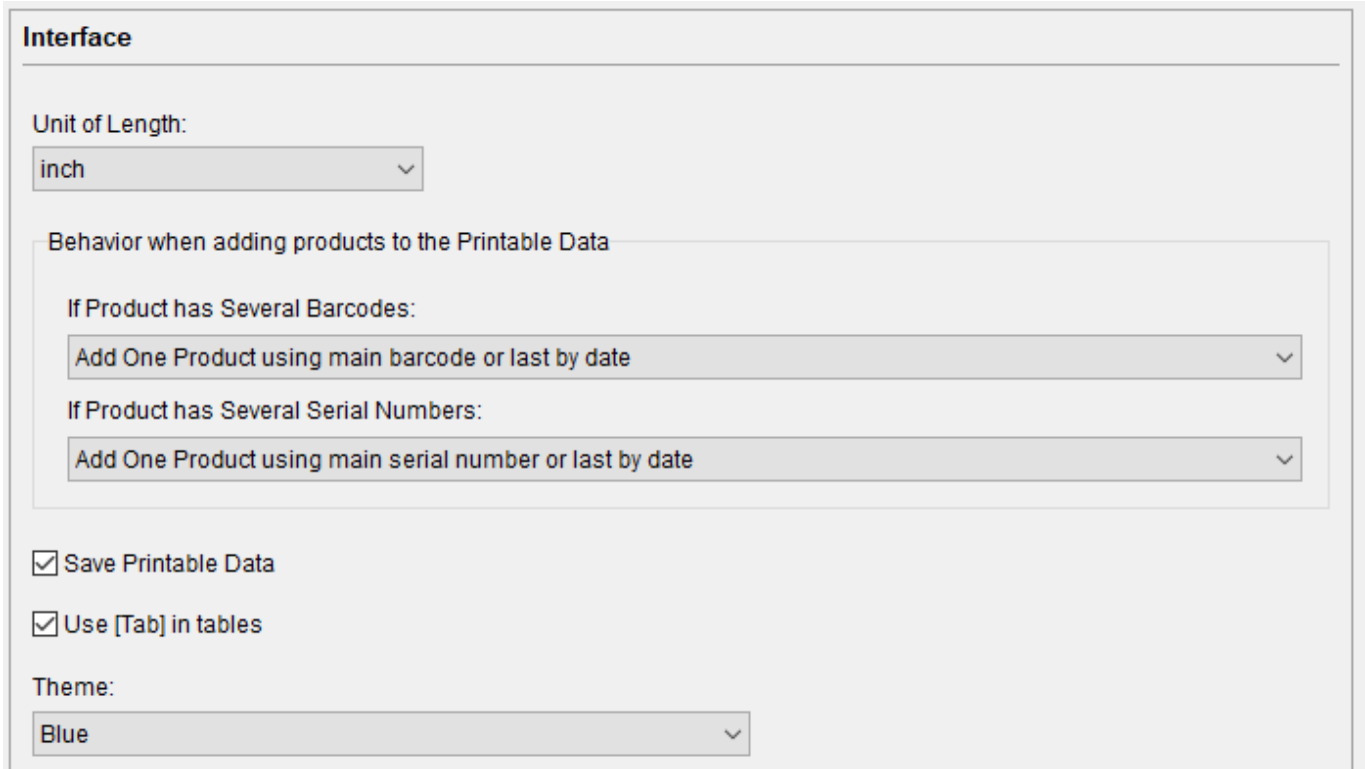
Address and Ports of Database Server: [Default](#)
192.168.124.101 42841 42842

Address and Ports of Database Server

Here you can set the address of the network interface on the server computer to which this client computer will connect. This address can be copied in the server computer settings in the *Address for Client settings* area. Ports must be identical to the ports in the settings on the server computer.

For client-server operation, you need to open these ports for outbound connections.

8.2 Section Interface



Interface

Unit of Length:
inch

Behavior when adding products to the Printable Data

If Product has Several Barcodes:
Add One Product using main barcode or last by date

If Product has Several Serial Numbers:
Add One Product using main serial number or last by date

Save Printable Data

Use [Tab] in tables

Theme:
Blue

- **Unit of Length:** the unit specified here acts globally in the entire program.

Behavior when adding products to the Printable Data

Here you can specify how the products will be added to the *Product List* in *Printable Data*, if the products have several barcodes or several serial numbers.

- **If Product has Several Barcodes:**
 - **Add One Product using main barcode or last by date:** this product will be added with the main barcode or the last by date if this product does not have a main barcode.
 - **Add as Many Products as many barcodes:** so many copies of this product will be added, how many barcodes this product has. Each copy of the product will have a different barcode.
- **If Product has Several Serial Numbers:**
 - **Add One Product using main serial number or last by date:** this product will be added with the main serial number or the last by date if this product does not have a main serial number.

- **Add as Many Products as many serial numbers:** so many copies of this product will be added, how many serial numbers this product has. Each copy of the product will have a different serial number.
- **Save Printable Data:** if the checkbox is set, then printable data will be stored in the database and restored when the program starts.
- **Use [Tab] in the tables:** if the flag is set, then in the tables the transition to the next column is also possible via the [Tab] key, return to the column back by [Shift] + [Tab]
- **Theme:** you can choose the theme of the program.

8.3 Section *Print*

Print

Use date from the Printable Data > General Data as current date

Quality of barcode printing

Min (1-99): 1

Max (1-99): 20

Text encoding when using the printer language:

1251

- **Use date from the Printable Data > General Data as current date:** if the checkbox is set, the date from the tab *General Data* of the *Printable Data* will be transferred to the [LabelDate] parameter when printing labels.

Product List General Data

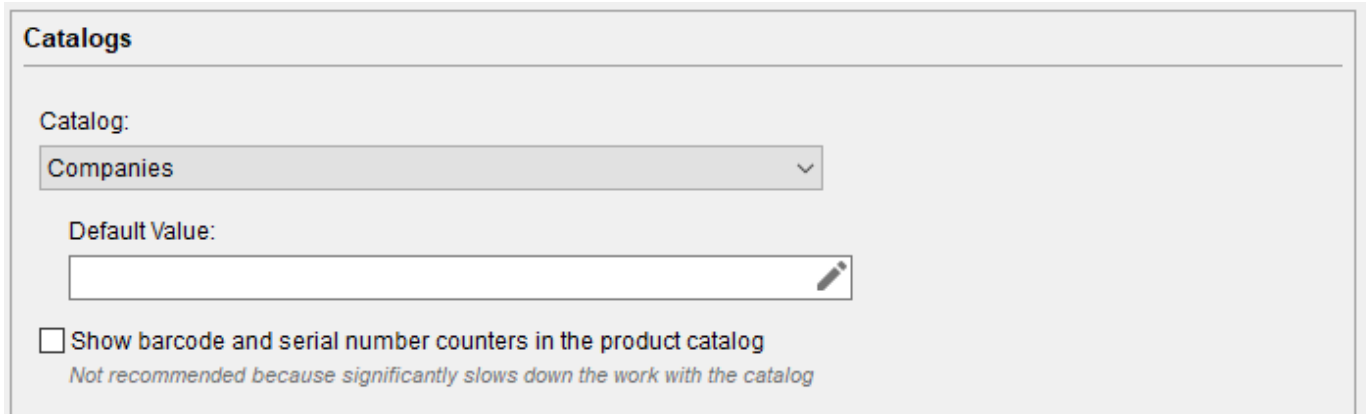
Date: 9/10/2018 0:56:11

, instead of a current date.

Quality of barcode printing

Here you can set the minimum and maximum quality of printing barcodes, these settings also affect the speed of printing barcodes.

8.4 Section Catalogs



Catalogs

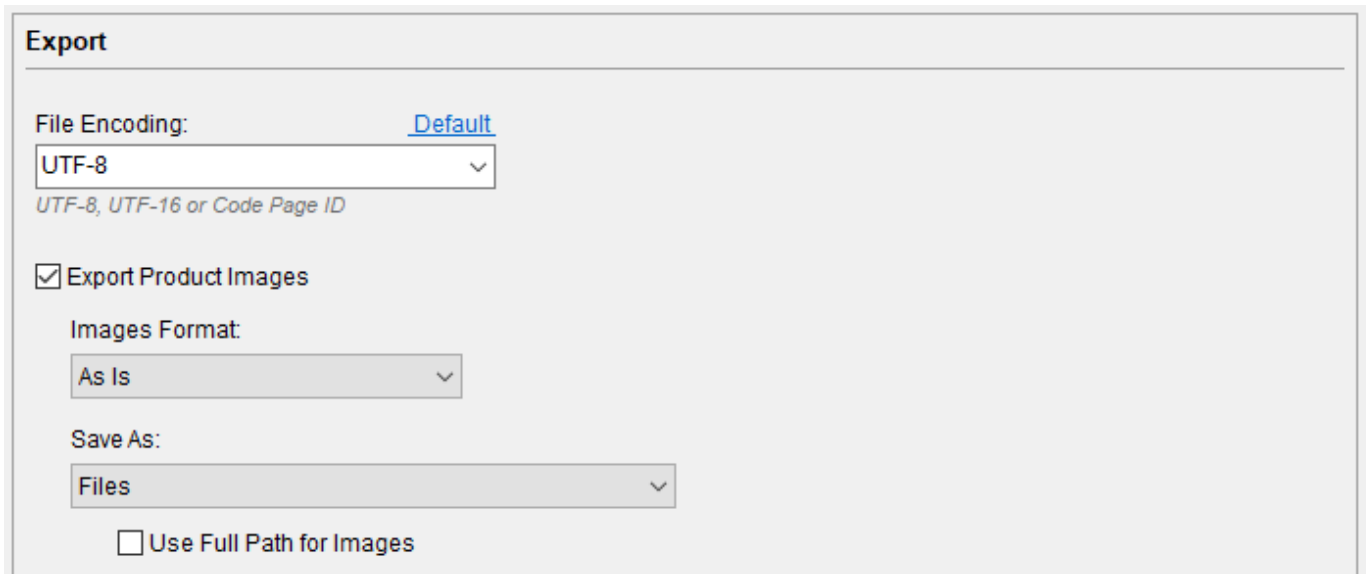
Catalog:
Companies

Default Value:
[Text Input Field]

Show barcode and serial number counters in the product catalog
Not recommended because significantly slows down the work with the catalog

Here for each catalog, you can select the default value that will be used for new products in the product catalog. For example, if you set the *Units* catalog to the default value of "ea", when you add a new item to the catalog, its unit will automatically be set to "ea".

8.5 Section Export



Export

File Encoding: [Default](#)
UTF-8
UTF-8, UTF-16 or Code Page ID

Export Product Images

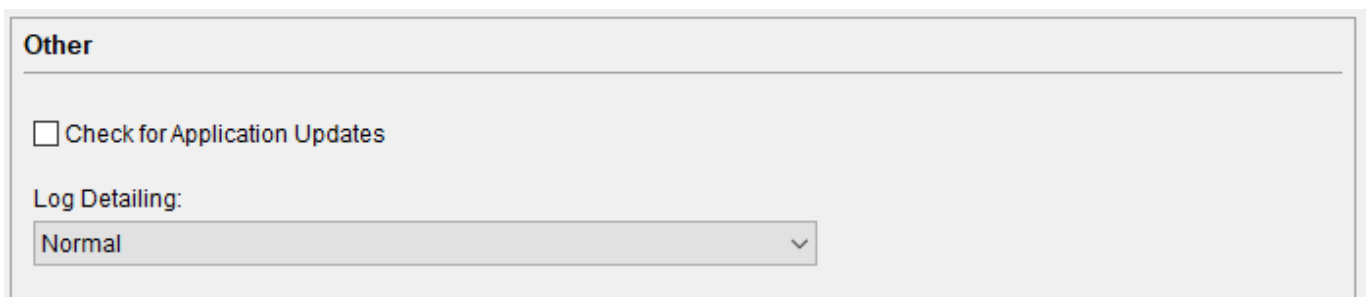
Images Format:
As Is

Save As:
Files

Use Full Path for Images

In this section, you can set the settings that will be used when exporting data from the program.

8.6 Section Other



Other

Check for Application Updates

Log Detailing:
Normal

9 Integration with other systems

Integration with other systems (programs, web sites) allows you to print labels, open a template editor, get a list of templates, etc. directly from these programs and sites.

Integration with other systems is carried out through requests to the specialized HTTP server PriceLabel, included in the delivery of the program, or through the command line.

Integration with other systems is carried out through:

- Requests to the specialized HTTP server PriceLabel. To work in HTTP server mode, the application must be launched with the option in the command line "-httpserver". Details are described below;
- Launching the application with options on the command line.

The PriceLabel HTTP server, besides data exchange via the HTTP protocol, supports clipboarding (mode of receiving / transmitting data through the clipboard), which allows you to configure interaction with third-party programs that work on a remote server through RDP and there is no possibility of installing PriceLabel on a remote server. In this case, the data is transmitted via a shared clipboard between the local computer and the remote server.

To transfer information to the program, text data of a special format is used in the form:

- A text block in multipart / form-data when interacting through an HTTP server.
- Text block when interacting through an HTTP server that receives / transmits data through the clipboard.
- File when interacting through the command line.
- A text block as part of multipart / form-data when interacting through requests to an HTTP server;
- A text block in the clipboard when interacting through the clipboard with the HTTP server, in the mode of receiving / transmitting data through the clipboard;
- A file when interacting through the launch of the application with the parameters on the command line.

The format of the data to be transferred to the program is described in the section [Data format for transfer to the program](#).

9.1 Interaction via HTTP-server

In the HTTP server mode (hereinafter server), the application receives HTTP requests and executes commands or returns data.

To run in server mode, the application is launched with a command line parameter "-httpserver". By default, the server listens on port 42843. You can set the port by using the command line option "-httpserverport <Port>", where <Port> is the HTTP server port.

The server is bound to the IP address 0.0.0.0 and, accordingly, is accessible when accessing any local address, for example 127.0.0.1 (Loopback address) or by the alias localhost (if it is not changed in the system), or at the address of the network card.

Requests to the server are encoded in UTF-8. The default encoding of responses from the server is UTF-8.

Server response codes:

- 200: in case of success and availability of a response (if the request involves obtaining data, for example, obtaining a list of templates)
- 204: in case of success and no response (if the request involves an action without obtaining data, for example, opening a preview)
- 400: in case of an error. The error text is sent in the response.

Queries to the server are performed using the POST method. The request parameters are passed as *multipart/form-data*. Some queries are performed using the GET method.

Request format:

http://<Local address>/<Server command>:<Port>, where <Command to server> is the command to the server (URI) to perform actions, retrieve data. The possible commands and parameters of these commands are described below.

9.1.1 Query Commands

| Command | Description | Query Parameters | Note |
|--------------------------|--|---|-----------------|
| test | Test connection with the server. Returns OK and the response code is 200 if successful. | No | Query type GET. |
| allinonefile | A universal command for executing various scenarios of interaction with the program. | <ul style="list-style-type: none"> • data: input data, which also contains the program control parameters. The data format is described in the section Data format for transfer to the program. | |
| gettemplatesnames | Retrieves a list of templates. | The parameters | |

| | | | |
|-----------------------------|----------------------------------|---|-----------------|
| | | associated with this command are from the program control parameters . | |
| getlastprintdatetime | Gets the date of the last print. | The parameters associated with this command are from the program control parameters . | |
| templateseditor | Opens the template editor. | No | Query type GET. |
| mainwindow | Opens the program main window. | No | Query type GET. |
| help | Opens the user guide. | No | Query type GET. |

9.1.2 Example of an HTML form

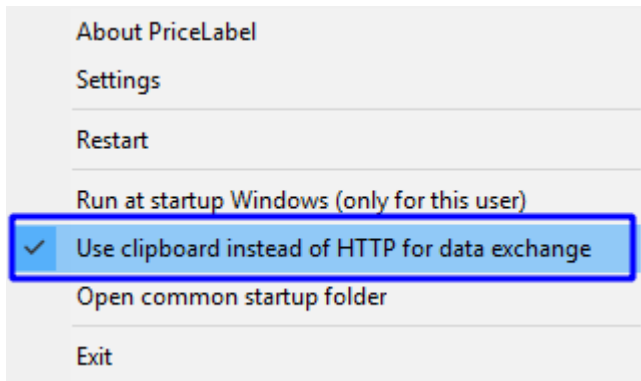
The form executes the query to the server and receives a detailed list of templates in response:

```
<form action="http://localhost:42843/gettemplatesnames" method="post" enctype="multipart/form-data">
<p><input type="text" name="encoding" value="utf-8">
<p><input type="text" name="detailed" value="">
<p><button type="submit">Get Templates Names</button>
</form>
```

In this example, the request to the server will send a command **gettemplatesnames** with the **encoding** parameter with the value **utf-8** and the **detailed** parameter with an empty value. In response, the server will send a detailed list of templates in UTF-8 encoding.

9.2 Interaction via HTTP-server that receives / transmits data through the clipboard

In the HTTP server mode with receiving / transmitting data through the clipboard (the server), the application receives requests via the clipboard and executes commands or sends data to the clipboard. To work in server mode with receiving / transmitting data through the clipboard, the application is launched with the parameter in the command line "-httpserver" and the flag is set via the context menu of the program in the tray:



(it matches the string "HTTPServer_UseClipboardInsteadHTTPForDataExchange=1" in the program settings file config.ini).

In this mode, the server with a frequency of 1 second scans the contents of the clipboard. If the clipboard contains text data and this data is a request to the server, then the server executes commands and places the response to the clipboard.

9.2.1 Request to server

To request the server to the clipboard you need to put the data, which also contains the [program control parameters](#). The data format is described in the section [Data format for transfer to the program](#).

9.2.2 Server response

The program places on the clipboard a response in which the first line is:

- "PriceLabelAnswer::OK" - in case of no error. Subsequent lines are data from the program, if the request meant receiving data from the program.
- "PriceLabelAnswer::ERROR" - in case of error. Subsequent lines are a description of the error.

9.3 Interaction through command line parameters

9.3.1 Interaction with a single file

-allinonefile <Path to the data file> -encoding <File encoding>

<Path to the data file>: the full path to the file with input data, which also contains the [control parameters of the program](#).

The data format is described in the section [Data format for transfer to the program](#).

<File Encoding>:

- **utf-8** (file with data in UTF-8 encoding)
- **utf-16** (file with data in UTF-16 encoding)
- **the number of the code page identifier** (<https://msdn.microsoft.com/en-us/library/dd317756%28v=VS.85%29.aspx>), for example

1252 (ANSI Latin 1; Western European (Windows)). Optional parameter. If not specified, the default encoding in the system will be used.

9.3.2 Other interaction options

9.3.2.1 Print, preview, save labels to a file (PDF, Excel), open print settings, open the template editor

<Action> <Parameter 1> <Parameter 2> ... <Parameter N>

Action:

-print

printing of labels.

-preview

preview of the labels.

-printsettings

opens the print settings.

-openinprog

opens a list of products in the program in the *Printable Data* for further action.

-templateseditor

opens the template editor.

Parameters:

-file <Path to the data file>

<Path to the data file> - the full path to the file with input data.

The data format is described in the section [Data format for transfer to the program](#).

-extdataid <ID>

<ID> - source ID from the catalog *External data sources*.

-template <Name of the primary label template>

<Name of the primary label template> is the name of the template from the template editor.

Specifies the primary label template. This template will be used for all products, except those that have a different template.

-templateid <ID of the primary label template>

<ID of the primary label template> - template ID from the template editor. Specifies the primary label template. This template will be used for all products, except those that have a different template.

-format <Data format in file>

<Data format in file>: **txt** - plain text, **json** - in JSON format. Optional parameter. If not specified, the format of the data file is considered to be a plain text file.

-encoding <File encoding>

<File encoding>: **utf-8** (file with data in UTF-8 encoding), **utf-16** (file with data in UTF-16

encoding) or **code-page identifier number**

(<https://msdn.microsoft.com/en-us/library/dd317756%28v=VS.85%29.aspx>), for example 1252 (ANSI Latin 1; Western European (Windows)). Optional parameter. If not specified, the default encoding in the system will be used.

-printrname <Printer Name>

<Printer Name> - the name of the printer in the system or **printtopdf** for saving to a PDF file, **printtoexcel** for saving to an Excel file, **printtoimages** to save labels as PNG images. If the printer is not specified or the printer is specified, but there is no such printer in the system, then will be used the printer is bound to the template and the current user, and if there is no such binding, the default printer will be used. The printer is bound to the template and the current user in the print settings.

-username <Username>

<Username> is the user name in the *Users* catalog. Optional parameter. If the password is set to enter the program, if it is not specified or specified, but there is no such in the program, the login window will be displayed.

-userpass <User password>

<User password> is the user's password in the *Users* catalog. Optional parameter. If not specified, but the user's password is set, the login window will be displayed.

Example:

```
C:\Program Files (x86)\PriceLabel 8\PriceLabel.exe -preview -file "C:\products.json" -template "Simple" -format json -encoding utf-8 -printrname "Office printer 1"
```

The command will open a preview form, which will display labels according to the "Simple" template with the data from the file "C:\products.json".

9.3.2.2 Getting a list of label templates

-gettemplatesnames <Parameter 1> <Parameter 2> ... <Parameter N>

Parameters:

-file <The path to the file where the template list will be uploaded>

<The path to the file where the template list will be uploaded> - the full path to the file to which the list of label templates will be uploaded.

-encoding <File encoding>

<File encoding>: **utf-8** (file with data in UTF-8 encoding), **utf-16** (file with data in UTF-16 encoding) or **code-page identifier number** (<https://msdn.microsoft.com/en-us/library/dd317756%28v=VS.85%29.aspx>), for example 1252 (ANSI Latin 1; Western European (Windows)). Optional parameter. If not specified, the default encoding in the system will be used.

-favorites

upload only "favorites". Optional parameter.

-detailed

upload detailed information. Optional parameter.

The format of the downloaded file with a list of label templates is described in the section [Format of data received from the program](#).

9.3.2.3 Opening the User Guide

-help

9.4 Data format for transfer to the program

The format is used in several variants:

- **Ready-made data:** products, their properties and other parameters. Such data the program can directly use for printing or when importing data. Also can contain the parameters of the program management.
- **Data to connect to the data source:** a description of the external data source. Having received such data, the program will connect to the external data source described in this data, will receive the products, their properties and other parameters, which will then be used for printing or when importing data. Also can contain the parameters of the program management.
- **Data for program management:** contain only program management parameters and are used for various control options, where no ready-made data or description of an external data source is required. For example, printing using an external data source described in the *External Data Sources* catalog.

The [JSON](#) format is used to represent the data.

The name of the format used in the program: *PriceLabel JSON*.

9.4.1 Ready-made data

9.4.1.1 Data structure

| The name of the key in the JSON steam structure (key: value) | Value type | Value | Compulsory | Note |
|--|------------|--|------------|--|
| PriceLabelData | String | Empty String | Yes | A label indicating that the data is for PriceLabel. |
| version | String | 3 | Yes | The version of the format. |
| runparameters | Object | The list of pairs key:value, each of which is the program control parameter and its value. | No | Required only when the program is started with a parameter in the command line allinonefile or when requesting the HTTP |

| | | | | |
|--------------|------------------|--|-----|--|
| | | | | protocol with the command allinonefile |
| items | Array of objects | A list of objects, each of which is a product and its parameters as a list of pairs key:value. | Yes | Ignored if the program control parameter is specified, which does not require ready-made data about the products, for example extdataid |

9.4.1.2 Value Formats

Strings and numbers are passed as is.

Strings can use special characters:

- \b Backspace (ascii code 08)
- \f Form feed (ascii code 0C)
- \n New line
- \r Carriage return
- \t Tab
- \" Double quote
- \\ Backslash character

The dates and times are transmitted in the format described in the [Data Types in the formulas](#).

9.4.1.3 Products parameters

The values of parameters of products can be of the following types:

- String. For example:
 - "ProductName":"Battery"
- Number. For example:
 - "ProductPrice":123.45
- Boolean. For example:
 - "IsFavorite":false
- The object (only the *ProductImage* parameter). For example:
 - "ProductImage":{"datatype":"file", "data":"http://products.com/image.jpg"}
 - "ProductImage":{"datatype":"file", "data":"C:\image.jpg"}

Parameter names can be used both standard and own:

- The standard product parameters are described in the section [Parameters and variables in formulas](#). Some standard parameters of products are used only as part of arrays. Such parameters are described below. The *ProductImage* parameter is described in detail below.
- You can use any custom parameter names in cases:
 - When adding new columns to the product catalog.
In this case, new parameters of the products appear corresponding to these columns.
 - When printing using external data.
In this case, the names of the parameters in the template must coincide with the names of the parameters of the products in the transmitted data. Also in this case, the parameter values can only be of a string type, but in the future they can be converted to any desired data type.

9.4.1.4 Parameter *ProductImage* (product image)

The value of the parameter is an object consisting of two pairs key:value:

- **datatype**: indicates the method of obtaining the image. May be:
 - **file**: to get an image from a file or by URL.
 - **base64**: Obtaining an image from the encoded Base64 string.
- **data**: source of the image (file path, URL, coded Base64 string).

Example:

```
"ProductImage":{"datatype":"file", "data":"http://products.com/image.jpg"}
```

9.4.1.5 Parameters of products that are used only as part of arrays

Barcode, Barcode Type

Used only as part of the *Barcodes* array (Barcodes).

Example:

```
"Barcodes":[{"Barcode":"5607017160496", "BarcodeType":0,"BarcodeIsMain":false},
{"Barcode":"4607017160497", "BarcodeType":3,"BarcodeIsMain":true},
{"Barcode":"6607017160495", "BarcodeType":0,"BarcodeIsMain":false}]
```

In the example, 3 product barcodes with the indication of their types were transferred to the program, the main barcode is also indicated.

SerialNumber

It is used only as part of the *SerialNumbers* array (Serial numbers).

Example:

```
"SerialNumbers":[{"SerialNumber":"SN123456337","SerialNumber IsMain":true},
{"SerialNumber":"SN223456333", "SerialNumber IsMain":false}]
```

In the example, 2 product serial numbers were transferred to the program, the main serial number is also indicated.

Group (Name of the product folder)

Used only as part of the *Groups* array (path to the product folder in the catalog - the list of folders from the product catalog root to the product folder).

Example:

```
Groups":[{"Group":"Expendables"},
{"Group":"Batteries"},
{"Group":"USA"}]
```

The example shows the path to the product folder (the list of folders from the product catalog root to the product folder): "Expendables" \ "Batteries" \ "USA".

9.4.1.6 Features of some parameters

LabelDate

If the value of the parameter is empty, the program will use the current date and time instead.

9.4.1.7 Data Examples

Data for two products.

Parameters of the program management are specified:

- **Open a preview**
- **Use template with ID 9**

```
{
  "PriceLabelData": "",
  "version": "3",
  "source": "",
  "runparameters": {"preview": "", "templateid": 9},
  "items": [
    {
      "ProductLabelCount": 3,
      "Groups": [{"Group": "Expendables"}, {"Group": "Batteries"}],
      "ProductName": "Panasonic LR03/4 (AAA) Alkaline 1,5V",
      "Barcodes": [{"Barcode": "5607017160496"}, {"Barcode": "4607017160497"}],
      "ProductPrice": 0.5,
      "UnitName": "ea",
      "ProductCode": "00004",
      "ProductLabelCount": 1,
      "Groups": [{"Group": "Expendables"}, {"Group": "Batteries"}, {"Group": "USA"}],
      "ProductName": "Energizer AAA Max Alkaline E92",
      "Barcodes": [{"Barcode": "5607017160496"}, {"Barcode": "4607017160497"}],
      "ProductPrice": 0.59,
      "ProductPrice2": 0.6,
      "ProductPriceOld": 0.65,
      "UnitName": "ea",
      "ProductCode": "00027"
    }
  ]
}
```

9.4.2 Data to connect to the data source

9.4.2.1 Data structure

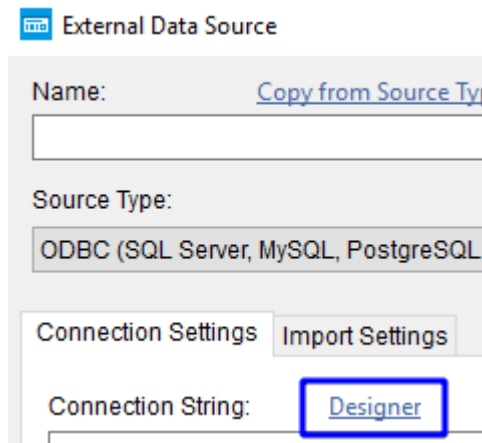
| The name of the key in the JSON steam structure | Value type | Value | Compulsory | Note |
|---|------------|-------|------------|------|
|---|------------|-------|------------|------|

| | | | | |
|--------------------------|--------|--|-----|--|
| (key: value) | | | | |
| PriceLabelData | String | Empty String | Yes | A label indicating that the data is for PriceLabel. |
| version | String | 3 | Yes | The version of the format. |
| runparameters | Object | The list of pairs key:value, each of which is a program control parameter and its value. | No | Required only when the program is started with a parameter in the command line allinonefile or when requesting the HTTP protocol with the command allinonefile |
| source | String | Data Source Type: <ul style="list-style-type: none"> • SQLite: for direct connection to the SQLite database. • ODBC: to connect to any data source, for example, Access, Excel, MySQL, etc. | Yes | |
| connection_string | String | Connection string to the data source: <ul style="list-style-type: none"> • If the data source is SQLite, then this is the path to the database. For example, "C:\products.sqlite". • If the ODBC data source is, then this is the connection string to the source. For example, "Provider=Microsoft.Jet.OLEDB.4.0;DataSource=C:\\products.mdb;Persist Security Info= False". | Yes | |
| sql_string | String | SQL query to the data source. | Yes | |

The connection string to the ODBC data source can be built directly into the program:

- Open the catalog *External Data Sources* (Menu > Catalogs > External Data Sources)

- Press the button **+** **Add**
- Select Source Type *ODBC*
- Click **Designer** in the connection string:



In the query when listing fields, you need to specify their relationship with the parameters of the products. Communication is established by a structure of the form: **Request field as [Item parameter]**

For example, "Name as [ProductName]", where the Name field is associated with the ProductName parameter in the program, and, accordingly, the program receives information that the name of the product should be taken from this field.

Example:

"SELECT Name as [ProductName], SKU as [ProductSKU], Image as [ProductImage] FROM products", the names, SKUs and images of products that are taken from the "products" table are transferred here.

9.4.2.2 Products parameters

The values of parameters of products can be of the following types:

- various types of String
- various types of Integer
- various types of Float
- Boolean
- various types of BLOB (ready images)
- various types of Date

Parameter names can be used both standard and own:

- The standard product parameters are described in the section [Parameters and variables in formulas](#). The *ProductImage* parameter is described in detail below.
- You can use any custom parameter names if the data is used to print labels, and not to import data into the program.

9.4.2.3 Parameter *ProductImage* (product image)

If the type of the field value in the query is one of the variants of BLOB, then the image is taken from the query directly.

If the type of the field value in the query is one of the variants of String, the image is obtained from the file or via the http request, if the field value is the file path or URL, respectively.

9.4.2.4 Create a connection to an external data source and export as a file

Add a new data source to the *External Data Sources* catalog and, without writing it, click the **Export to file** button.

9.4.2.5 Data Examples

Obtaining data from the SQLite database.

Parameters of the program management are specified:

- **Open a preview**
- **Use template with ID 9**

```
{ "PriceLabelData": "",
  "version": "3",
  "source": "SQLite",
  "runparameters": { "preview": "", "templateid": 9 },
  "connection_string": "c:\\products.sqlite",
  "sql_string": "SELECT Name as [ProductName], SKU as [ProductSKU], Image as [ProductImage] FROM products"
}
```

Obtaining data from the Access database via ODBC.

Parameters of the program management are specified:

- **Open a preview**
- **Use template with ID 9**

```
{ "PriceLabelData": "",
  "version": "3",
  "source": "ODBC",
  "runparameters": { "preview": "", "templateid": 9 },
  "connection_string": "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\\products.mdb;Persist Security Info= False",
  "sql_string": "SELECT Name as [ProductName], SKU as [ProductSKU], Image as [ProductImage] FROM products"
}
```

9.4.3 Data for program management

Works only when the program is started with a parameter in the command line of **allinonefile** or when it is requested by the HTTP protocol with the command **allinonefile**

9.4.3.1 Data structure

| The name of the key in the JSON steam structure (key: value) | Value type | Value | Compulsory | Note |
|--|------------|-------|------------|------|
| | | | | |

| | | | | |
|-----------------------|--------|--|-----|---|
| PriceLabelData | String | Empty String | Yes | A label indicating that the data is for PriceLabel. |
| version | String | 3 | Yes | The version of the format. |
| runparameters | Object | The list of pairs key:value, each of which is the program control parameter and its value. | Yes | |

9.4.3.2 Data Examples

Parameters of the program management are specified:

- **Open a preview**
- **Use template with ID 9**
- **The data is retrieved from an external source whose parameters are described in the *External Data Sources* catalog entry with ID 1**

```
{
  "PriceLabelData": "",
  "version": "3",
  "runparameters": {
    "preview": "",
    "templateid": 9,
    "extdataid": 1
  }
}
```

Parameters of the program management are specified:

- **Open template designer**
- **Use template with ID 9**

```
{
  "PriceLabelData": "",
  "version": "3",
  "runparameters": {
    "templateseditor": "",
    "templateid": 9
  }
}
```

9.4.4 Control parameters of the program

| Parameter name | Value type | Value | Description |
|------------------------|------------|--|---|
| print | String | Empty String | Print labels. |
| preview | String | Empty String | Open the preview. |
| printsettings | String | Empty String | Open print settings. |
| openinprog | String | Empty String | Run the program and fill in the printable data. |
| templateseditor | String | Empty String | Open template designer. |
| extdataid | Number | Source ID of the data source from the <i>External Data Sources</i> catalog | Use data from an external data source described in the <i>External Data Sources</i> |

| | | | |
|--------------------------|---------|---|--|
| | | | catalog |
| template | String | Template name in <i>template designer</i> | Use the template with the specified name as the primary. This template will be used for all products, except those that have a different template. |
| templateid | Number | Template ID in <i>template designer</i> | Use the template with the specified ID as the primary. This template will be used for all products, except those that have a different template. |
| printername | String | <ul style="list-style-type: none"> • The name of the printer in the system • printtopdf for saving to PDF file • printtoexcel for saving to Excel file • printtoimages to save labels as PNG images. | Use the printer with the specified name. If the printer is not specified or the printer is specified, but there is no such printer in the system, then will be used the printer is bound to the template and the current user, and if there is no such binding, the default printer will be used. The printer is bound to the template and the current user in the print settings |
| printtofile | String | Full path to the file when saving to PDF, Excel or folder path when saving as PNG images. | If the path to the file or folder path is not specified, the save to file / select folder dialog will be displayed. Optional parameter. |
| showprintprogress | Boolean | Show print progress | By default, print progress is always shown, except for the HTTP server mode. |
| username | String | User name in the <i>Users</i> catalog | Optional parameter. If the password is set to enter the program, if the user name is not specified or specified, but this is not in the program, the login window will be displayed. |
| userpass | String | User password in the <i>Users</i> catalog | Optional parameter. If the password is set to enter the program, if the user's password is not specified or specified, but there is no such password in the program, the login window will be displayed. |
| gettemplatesnames | String | Empty String | Return a list of label templates. The format |

| | | | |
|-----------------------------|--------|---|---|
| | | | of the template list is described below. |
| encoding | String | <ul style="list-style-type: none"> • utf-8 • utf-16 • code-page-identifier number (https://msdn.microsoft.com/en-us/library/dd317756%28v=VS.85%29.aspx), for example 1252 (ANSI Latin 1; Western European (Windows)). | Encoding of data received from the program |
| favorites | String | Empty String | A helper parameter for gettemplatesnames . Return only templates marked as <i>Favorite</i> . Optional parameter. |
| detailed | String | Empty String | A helper parameter for gettemplatesnames . Return a detailed list of templates, instead of a simple one. Optional parameter. |
| getlastprintdatetime | String | Empty String | Return the date of the last print |
| help | String | Empty String | Open User Guide |

9.4.5 The format of the data received from the program

Template List

If the **detailed** parameter is not specified, then the format of the received data:

```
Label template name 1
Label template name 2
Label template name 3
...
Label template name N
```

If **detailed** is specified, then the format of the received data:

```
Data row 1
Data row 2
Data row 3
```

...

Data row N

Each data row is a sequence of values separated by a tab character (code 9):

| Value number in order | Description of value | Note |
|------------------------------|--|---|
| 1 | Name | The name of the template in <i>Template designer</i> |
| 2 | ID | Template ID in <i>Template designer</i> |
| 3 | Description | Description of the template in <i>Template designer</i> |
| 4 | ID of the parent folder | Folder ID in <i>Template designer</i> |
| 5 | Folder flag (0 - template, 1 - folder) | |

10 License activation

Go to **Menu > Help > License Activation**.

The form of the license activation wizard will open.

PriceLabel 8 Activation ×

Activation type

- Activation**
License activation on this computer
- Deactivation**
License deactivation on this computer (Internet required)
- Extend Trial**
Extending the trial period on this computer

Application website: pricelabel.app Back Next Cancel

Select the activation type **Activation** and click **Next**.

Enter License Key

License Key

Copy and paste here the license key that you received after purchasing the software. If you have not received the license key, please refer to [support](#).

You can purchase a license on the website of the application in the [Purchase](#) section.

Application website: priceprint.net

Back

Next

Cancel

Insert your license key in the appropriate field and click **Next**.

Choose activation method

Activation via Internet

If there is no Internet connection, select second option

Filling out activation form on the application website

At another location where there is access to Internet

Application website: priceprint.net

Back

Next

Cancel

Select the activation method and click **Next**.

10.1 Activation via the Internet

If this option was selected, the program will activate via the Internet and will go to the message of successful activation. After the activation wizard's form is closed, the program restarts to accept the changes.

10.2 Activation through filling out the form on the program website

If this option was selected, then the page with the instruction will be displayed on how to activate on the program's website:

Filling out activation form on the application website

1. Write down the following information:

| |
|-----------------------------|
| Product Code: [Redacted] |
| License Key: [Redacted] |

2. Visit the [Help and Support](#) section of the application's website and click "License Activation"

3. Fill out activation form, click "Get Activation Code" and write down the Activation Code that appears on screen

Application website: priceprint.net

Back

Next

Cancel

Follow the instructions and click **Next**.

Activation Code

Enter Activation Code, displayed after clicking "Get Activation Code"

Application website: priceprint.net

Back

Next

Cancel

Paste the activation code received on the site and click **Next**.

The program will activate and will go to the message of successful activation. After the activation wizard's form is closed, the program restarts to accept the changes.

10.3 Deactivate the license

You can deactivate a license to transfer it to another computer up to two times without contacting support. Deactivation for the third time and more is carried out through an appeal in [support of the program](#).

Go to **Menu > Help > License Activation**.

The form of the license activation activation wizard will open, which will be used to deactivate the license.

Activation type

Activation
License activation on this computer

Deactivation
License deactivation on this computer (Internet required)

Extend Trial
Extending the trial period on this computer

Application website: pricelabel.app

Back Next Cancel

Select the activation type **Deactivation** and click **Next**.

The program will deactivate via the Internet and will restart to accept the changes.

10.4 Types of Licenses

10.4.1 Single-user license (Free, Lite, Pro)

A single user license allows you to install and run PriceLabel on a single computer. The license is activated on the same computer.

10.4.2 Multi-user (floating) license (Corporate, Trial)

A multi-user (floating) license enables a several of users to work with PriceLabel on any number of computers independent of location (all computers must be on the local network with the main computer or connected via the remote desktop (RDP) to the main computer).

A floating license means that a limited number of licenses (5, 25 or 255 — the number is determined at the time of purchasing the Corporate license, or 255 for Trial) is shared by a large number of users in order of priority. One license per user.

When the user runs PriceLabel requested a license from the license server. If a license is available, the license server allows the application to run. When the user finishes using the application, the license is restored by the license server and granted to other users.

The license is activated on the server computer. Client computers do not require activation of the license.

11 Installing the program on your computer

System requirements

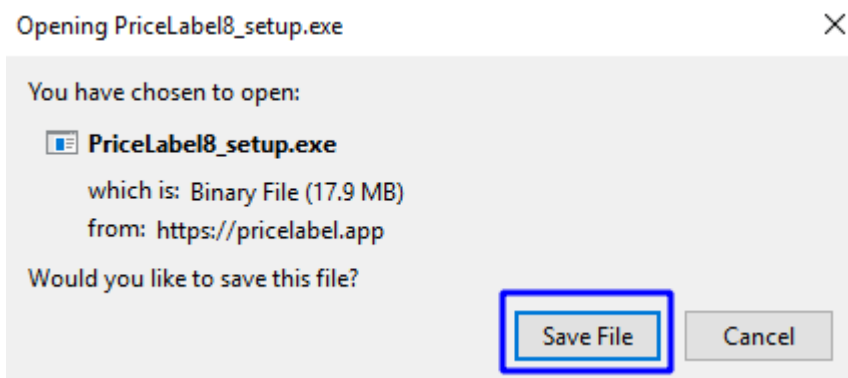
32-bit or 64-bit Windows operating system: Windows 10 / Windows 8 (8.1) / Windows 7 / Windows Vista / Windows XP / Windows Server 2016 / Windows Server 2012 / Windows Server 2008 / Windows Server 2003

11.1 Downloading the installation file

Go to the official site of the application pricelabel.app in the [Download](#) section and click on the **Download Free Trial** button



If there is a question



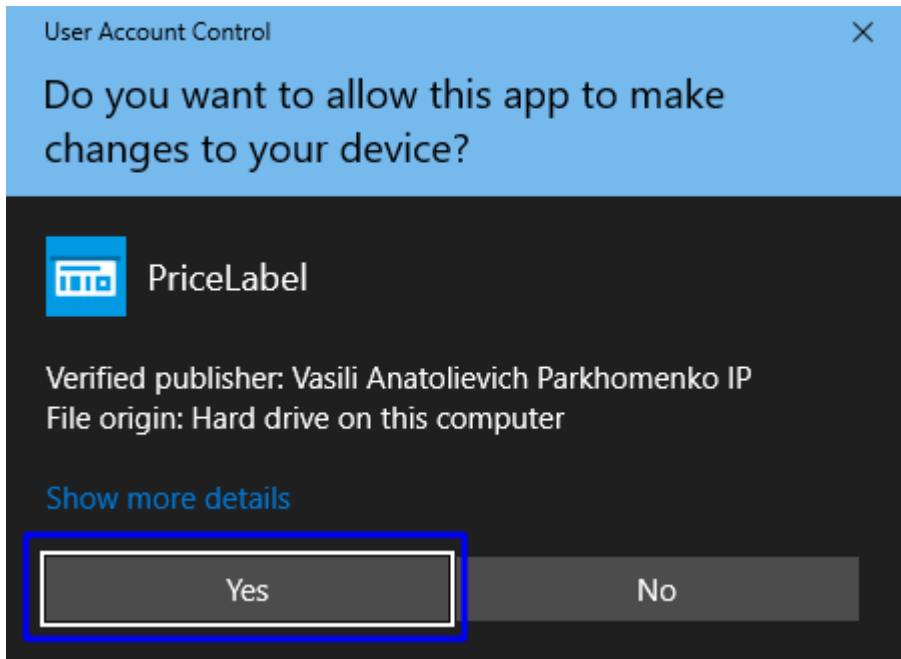
click on **Save File**.

After downloading the installation file **PriceLabel8_setup.exe** will start and the process of installing the application on the computer will begin.

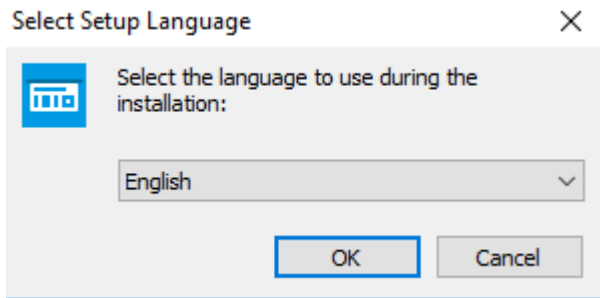
If the installation does not start, then in the browser where the installation file (Chrome, Firefox, Edge, etc.) was downloaded, press [Ctrl] + [J], find the file **PriceLabel8_setup.exe** and run it.

11.2 Installation process

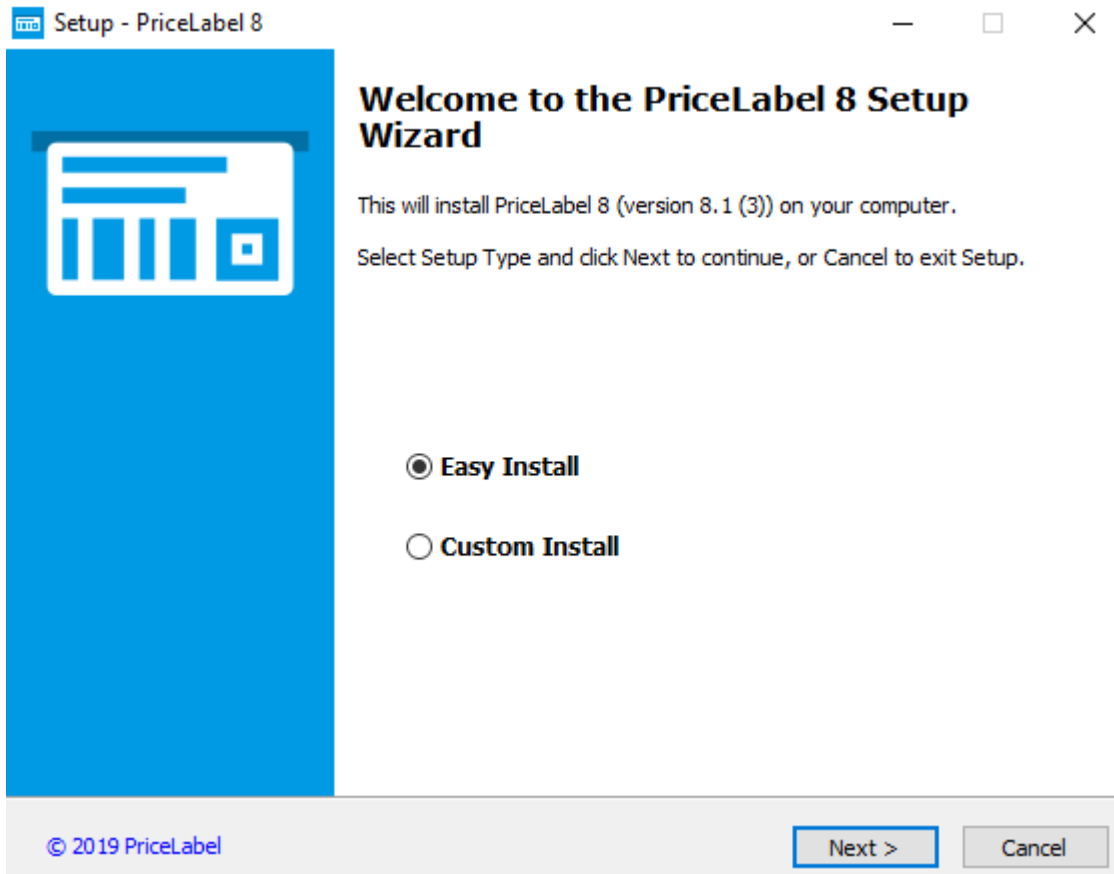
After starting the installation file, the security window will open:



Click on **Yes**.



Select installation language from the drop-down list and click **OK**.



Choose an installation option:

- **Easy Install** (recommended)
- **Custom Install**
- **Portable**
To enable this option, select **Custom Install** and set the **Portable** checkbox

Custom Install

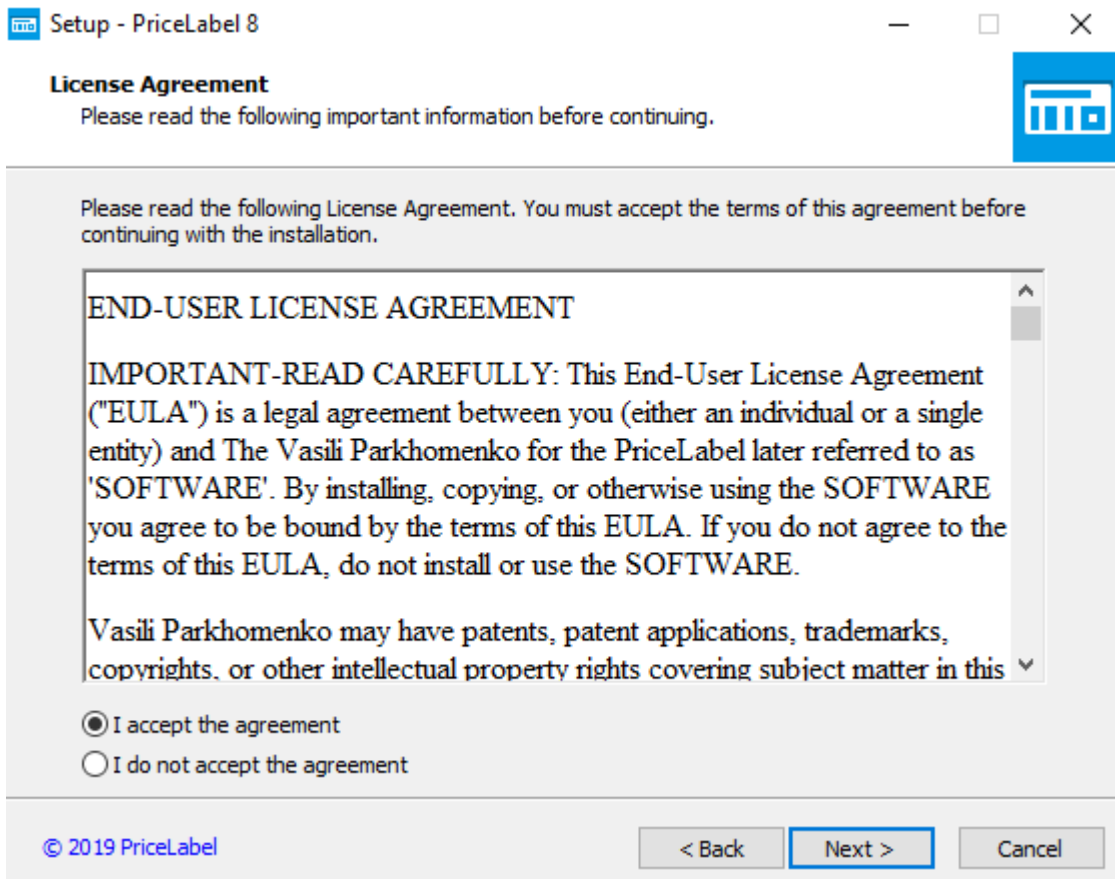
Portable

Click on **Next**.

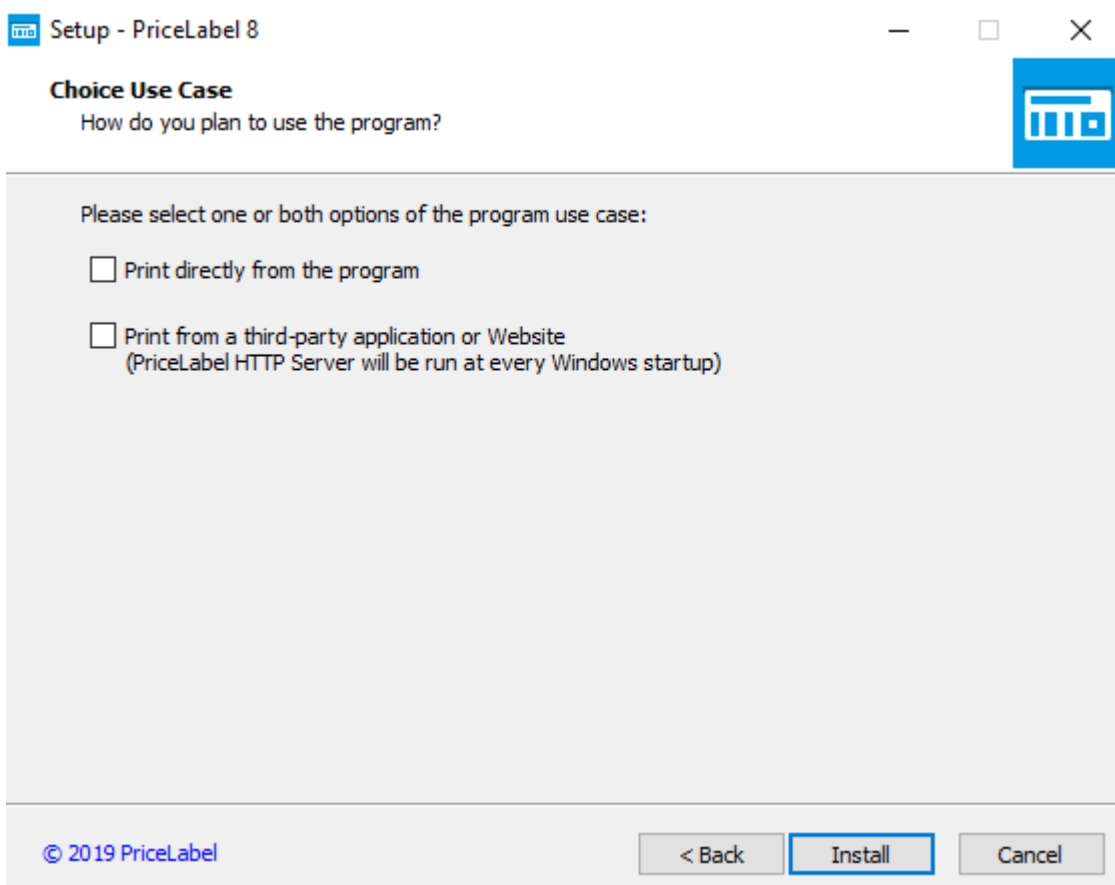
11.2.1 Easy Install

A simple installation is designed to install a program that will work:

- In single-user mode of operation (license Free, Lite, Professional or trial mode).
- In multi-user mode (Corporate license or trial mode) as a server.



Accept the terms of the license agreement and click on **Next**.



Select the use case of the program and click on **Install**.

11.2.2 Custom Install

Advanced installation adds additional options to a simple installation:

- Select the folder to place the program.
- Select the type of program installation for multi-user mode (Corporate license or trial mode): Server or Client.
- Configure the creation of a folder and shortcut in the Start menu, and create a shortcut on the desktop.
- Is designed to install a program for multi-user mode (Corporate license or trial mode).

11.2.3 Portable

Portable installation is designed to install a program that will work in single-user mode (license Free, Lite, Professional or trial mode) without installing it on the computer, simply unpacking everything necessary for the program to work in one user-selectable directory. This directory can be located either on the computer's disk, or on a portable medium, in which case you can carry the program and all the data with you.

Important Features

1. The installation path must contain only latin characters
2. The disk letter must be the same when used on multiple computers

11.2.4 Features of the installation for multi-user mode (Corporate license or trial mode)

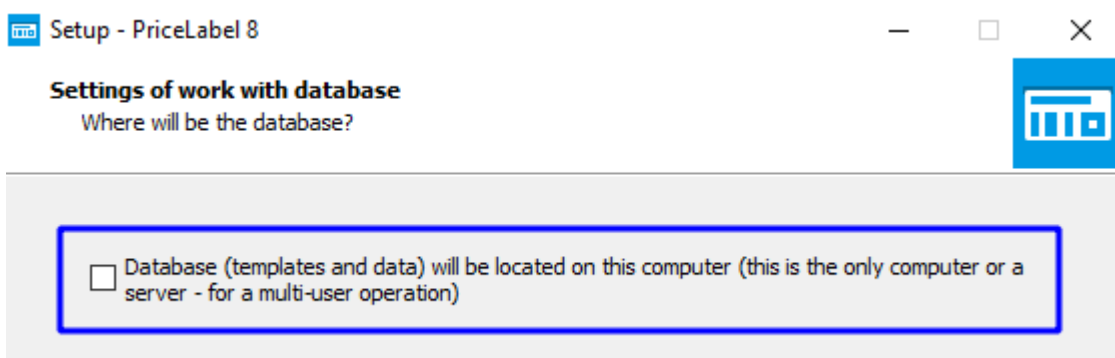
11.2.4.1 Installing the program: Server

Select installation option **Easy Install**.

After installing the program, make the settings in accordance with the section [Server \(the computer on which the database is located\)](#).

11.2.4.2 Installing the program: Client

Select installation option **Custom Install**.



In the **Settings of work with database** window, clear the checkbox.

After installing the program, make the settings in accordance with the section [Client \(the computer that connects to the server\)](#).

12 Migration from previous versions

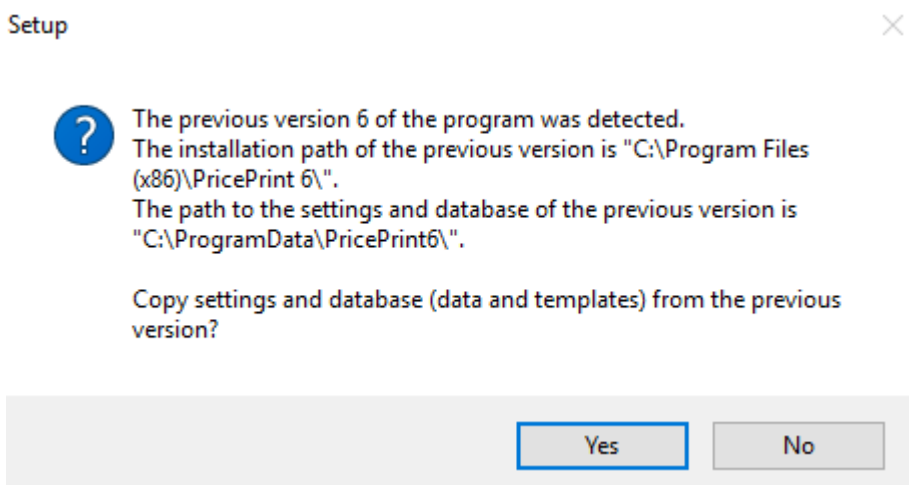
12.1 Procedure for migrating to a new version

1. [Install new version](#) and transfer data from the old version (automatically during installation or manually later). Data transfer is described below.
2. [Deactivate](#) the old version
3. [Activate](#) the new version

12.2 Transfer all data from version 5 and newer

12.2.1 Automatic data transfer during program installation

If the previous version of the program is found during the program installation, then it will be suggested to use the data from the previous version of the program:



If you want to use data from the previous version of the program, click on **Yes**. In this case, the data from the previous version of the program will be copied to the installed version of the program.

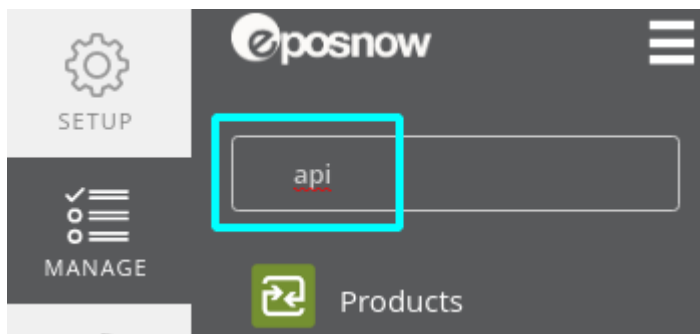
13 Printing from various systems

13.1 Print from EposNow BackOffice

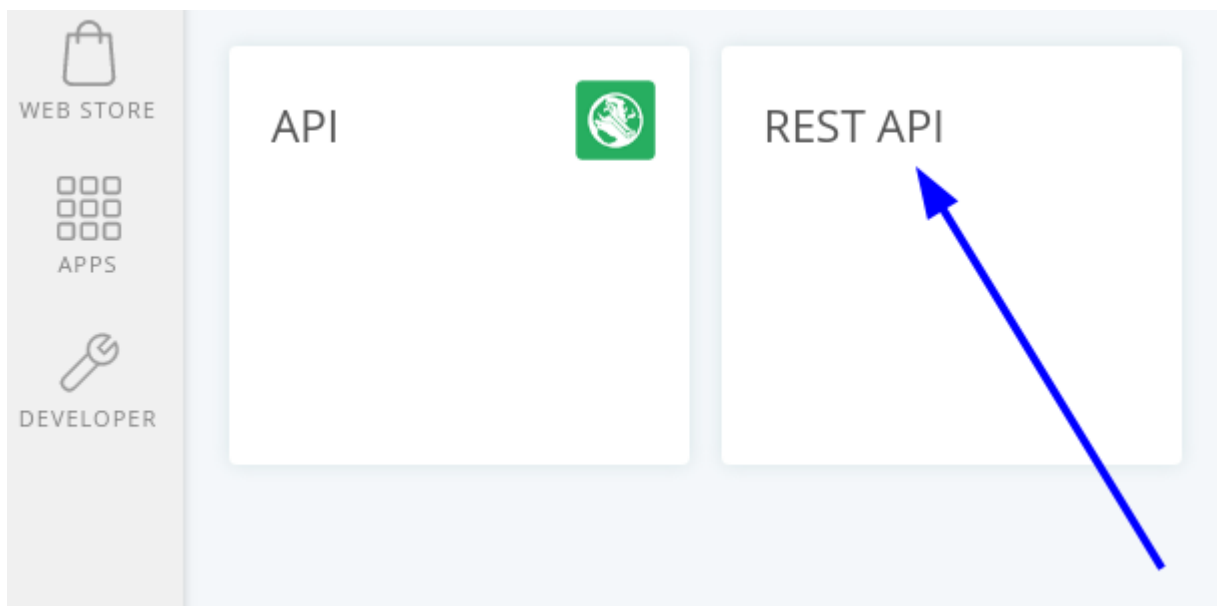
13.1.1 Preparation for printing

13.1.1.1 In EposNow BackOffice

1. Go to the EposNow BackOffice, type "api" in the search place and click [Enter]



2. Click on the "REST API"



3. Scroll down to the "Your API Devices"

| | NAME | DESCRIPTION | LOCATION | REQUESTS | LAST EXCEPTION | EXCEPTION TIME |
|----------------------|------|-------------|----------------------------|----------|--|---------------------|
| EDIT | API | API Device | RetailFreeTrial Main Store | 5 | No Product with id: 1 could not be found | 30/11/2019 15:48:10 |

[ADD OR REMOVE API DEVICE](#)

4. Scroll to the right and click "Access credentials"

| TIME | EXCEPTION COUNT (TODAY) | ENABLED | WEBHOOKS | ADVANCED | ACCESS CREDENTIALS |
|------|-------------------------|-------------------------------------|--------------------------|--------------------------|------------------------------------|
| 3 | 0 | <input checked="" type="checkbox"/> | WEBHOOKS | ADVANCED | ACCESS CREDENTIALS |

[ADD OR REMOVE API DEVICE](#)

5. Copy "Authorization Token"

View API Device Credentials [HELP](#)

Device Credentials

Epos Key:

Epos Secret:

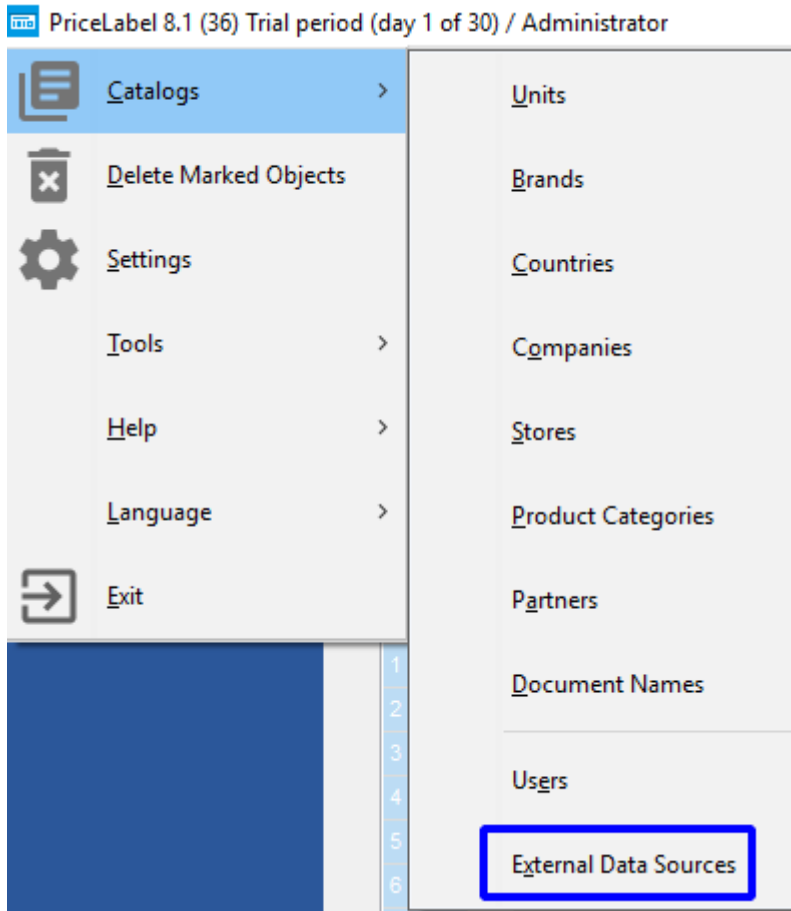
Authorization Token:

[BACK](#) [REGENERATE](#)

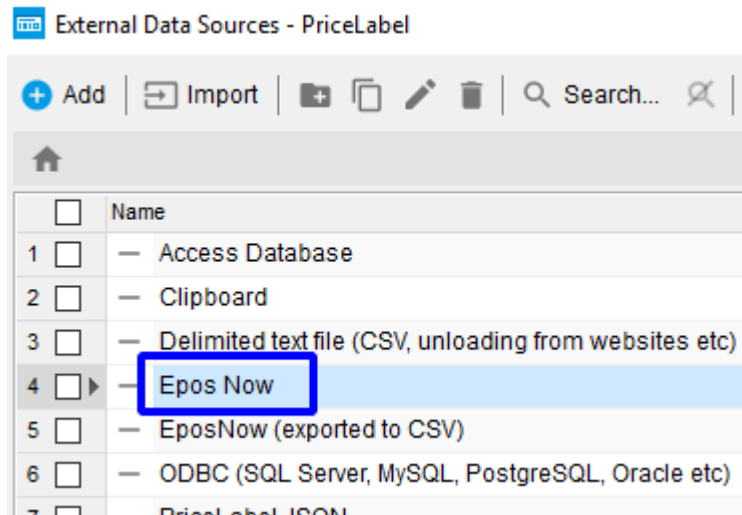
13.1.1.2 In PriceLabel

1. Run PriceLabel

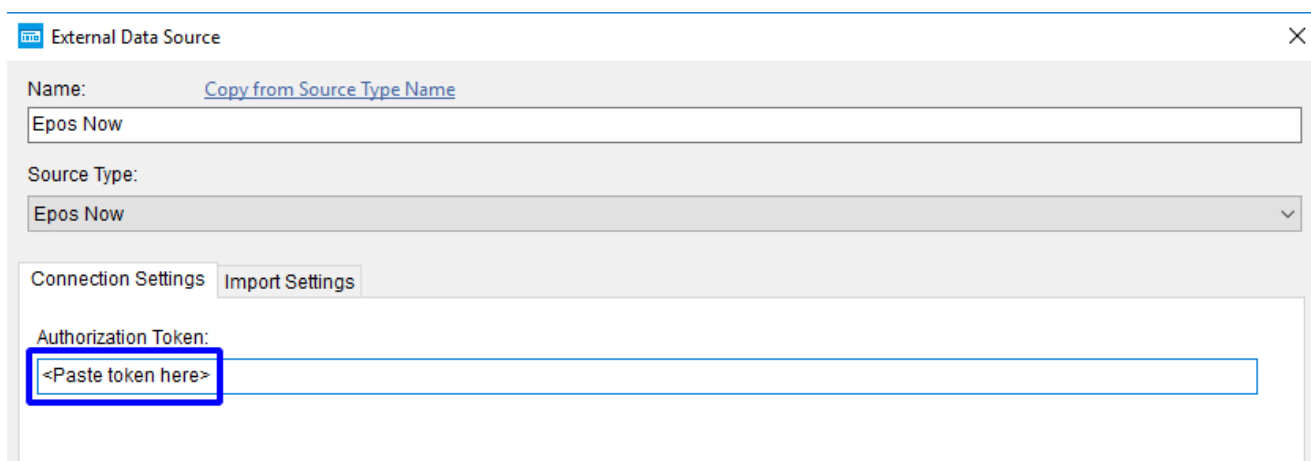
2. Go to Menu > Catalogs > External Data Sources



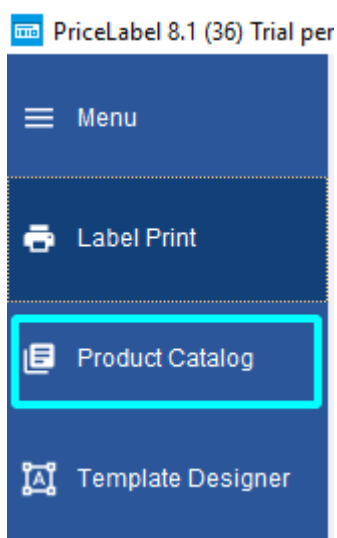
3. Double click "Epos Now" or select "Epos Now" and press [Enter]



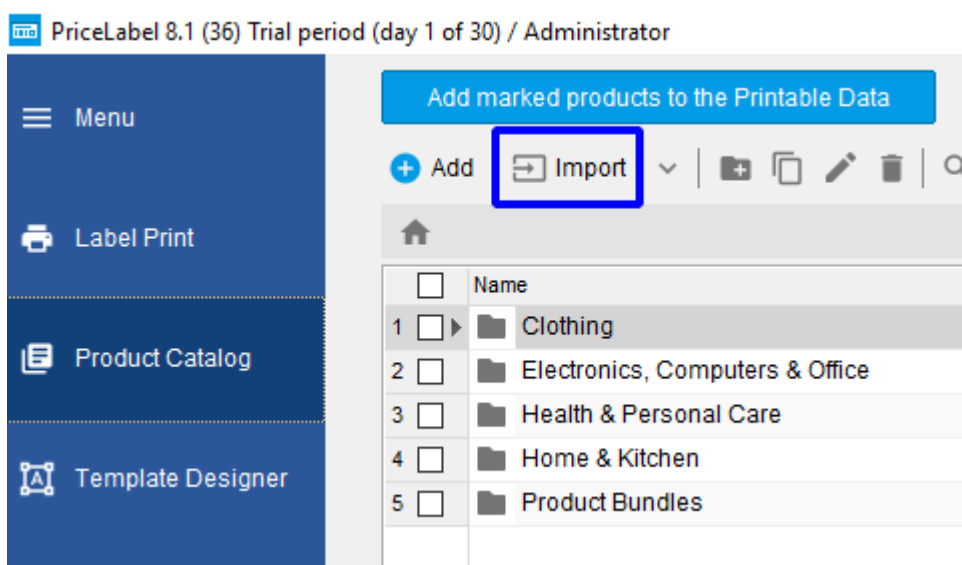
4. Paste your copied Authorization Token into the appropriate field and click OK



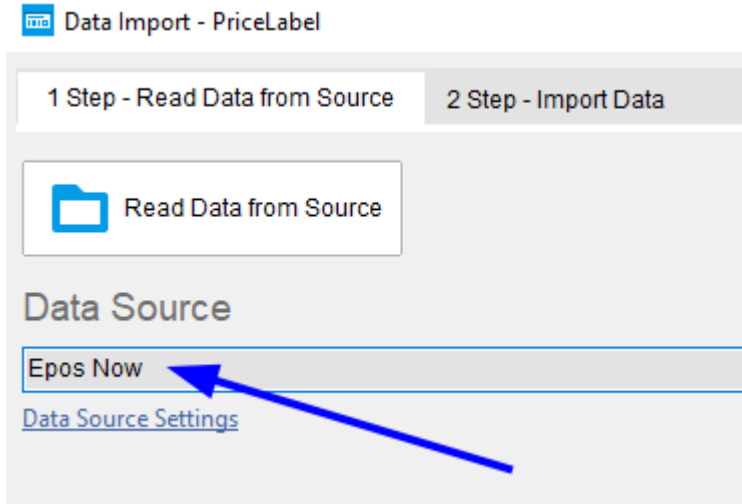
5. Go to the Product Catalog



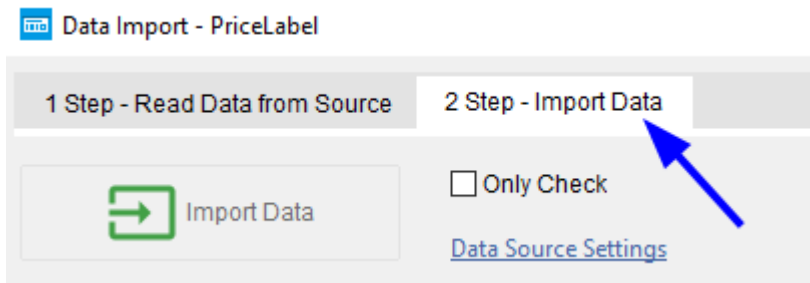
6. Click on "Import"



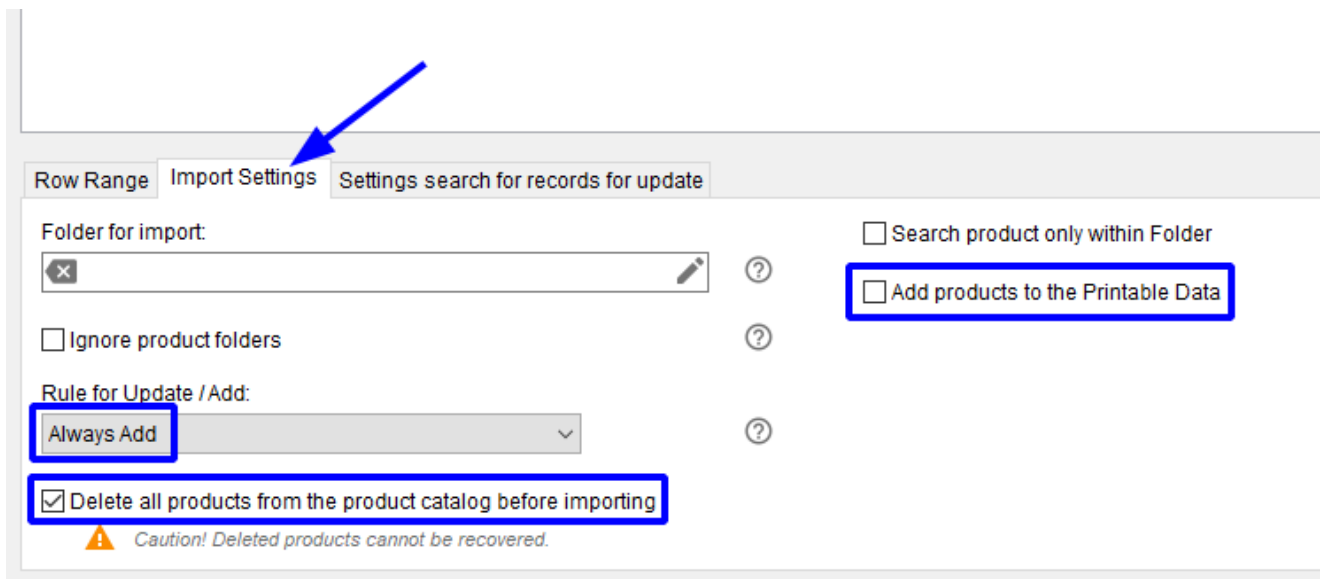
7. Change Data Source to "EposNow"



8. Go to the "2 Step - Import Data" tab

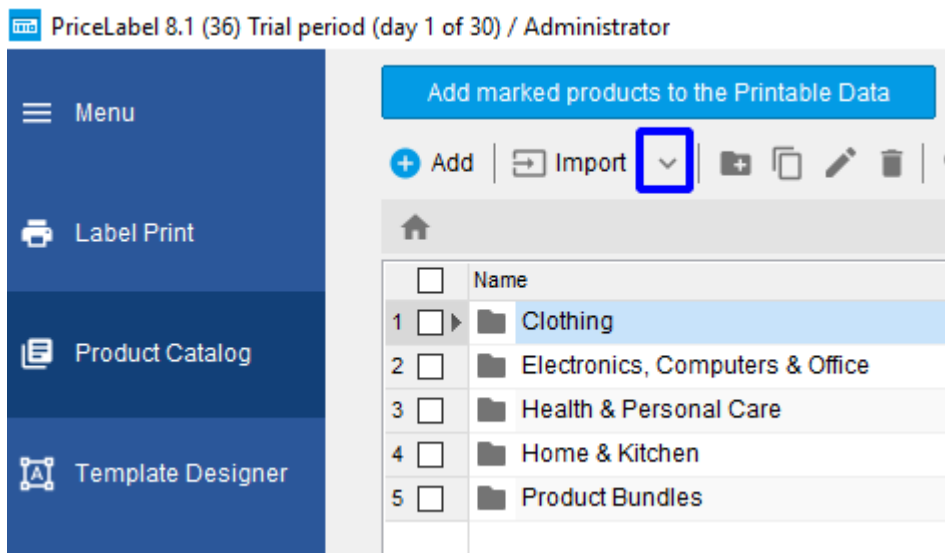


9. Go to the "Import Settings" tab and make the following settings:

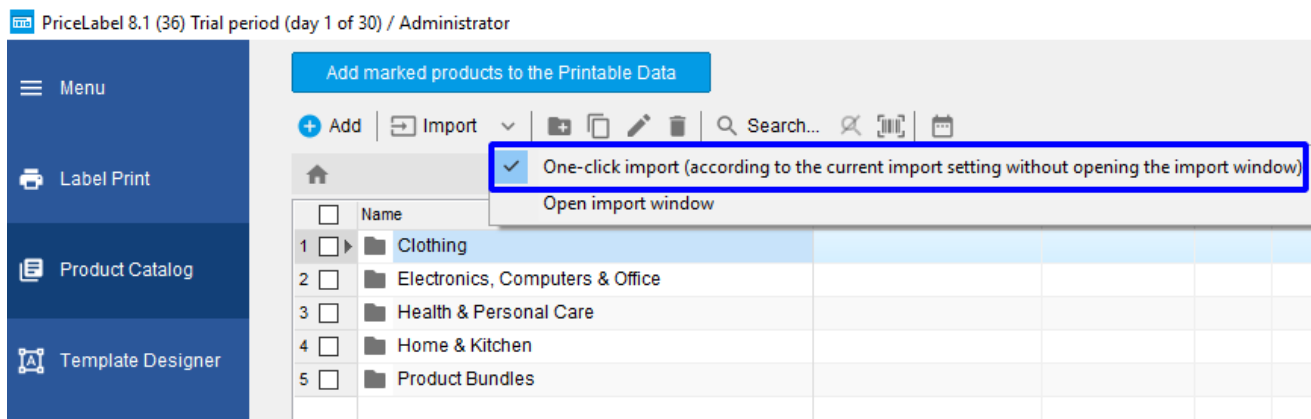


10. Close import window

11. Click on button with arrow right to the "Import" button



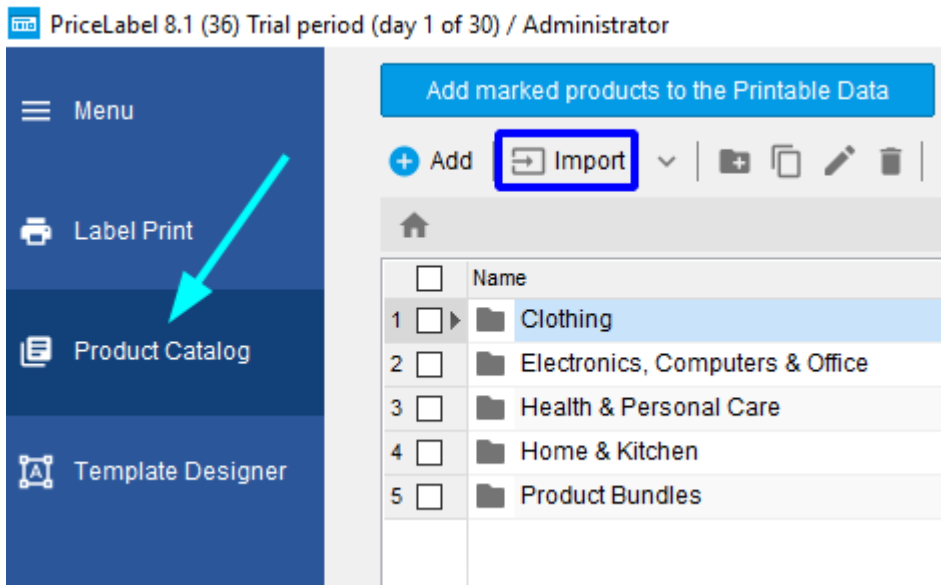
12. Click on "One-click import..."



Preparing for the data import is done. It's a one time operation.

13.1.2 Printing

Before printing, if necessary, synchronize data with EposNow. To do this, go to the product catalog and click "Import"



, wait for the operation to complete.

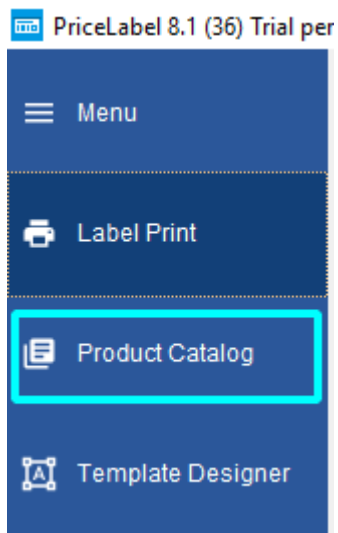
How to print labels is described in the [Printing Labels](#) section.

13.2 Print from QuickBooks POS

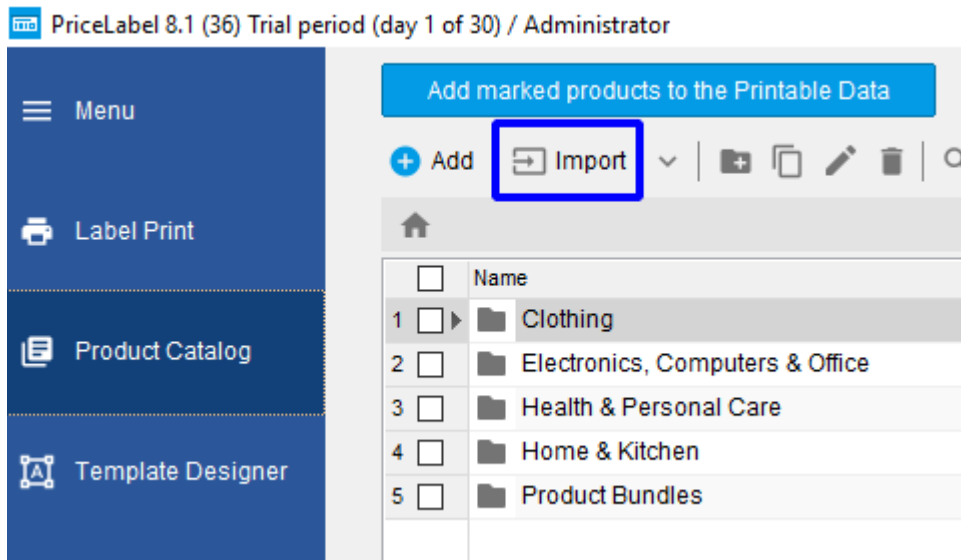
13.2.1 Preparation for printing

13.2.1.1 In PriceLabel

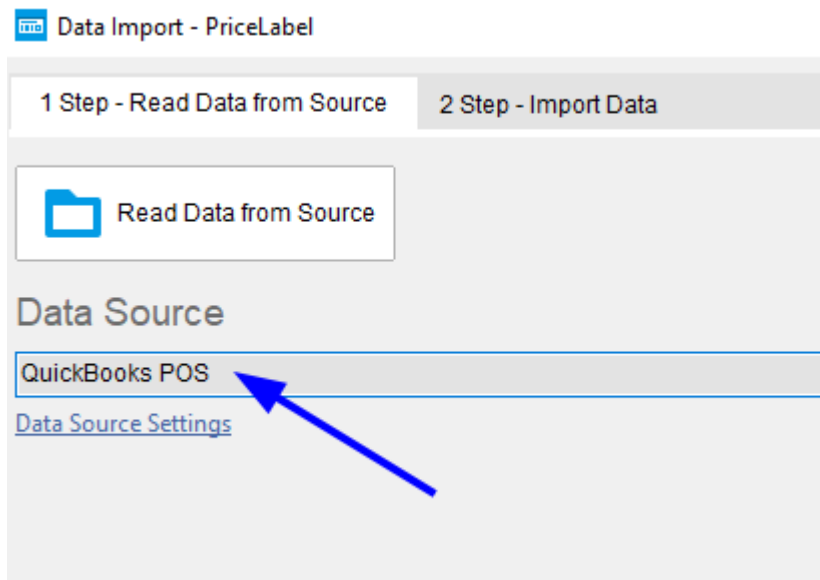
1. Run PriceLabel
2. Go to the Product Catalog



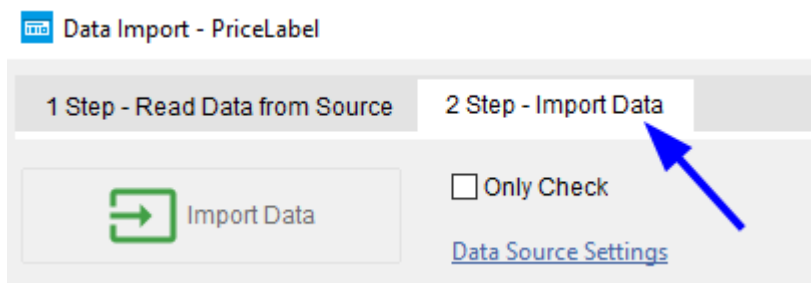
3. Click on "Import"



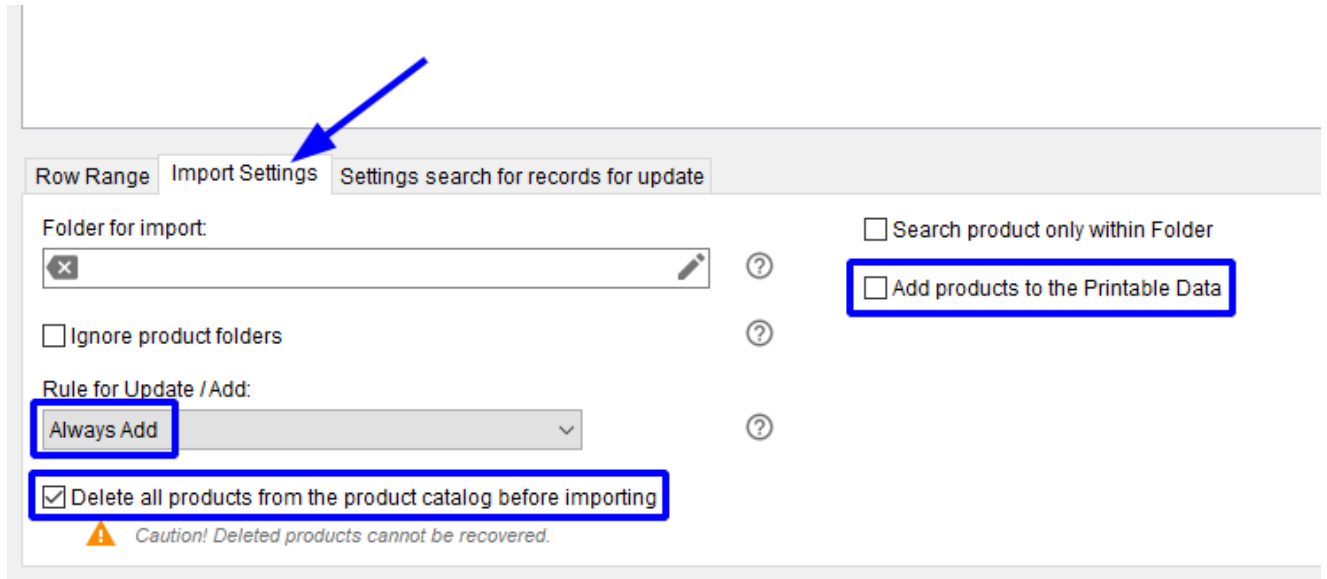
4. Change Data Source to "QuickBooks POS"



5. Go to the "2 Step - Import Data" tab

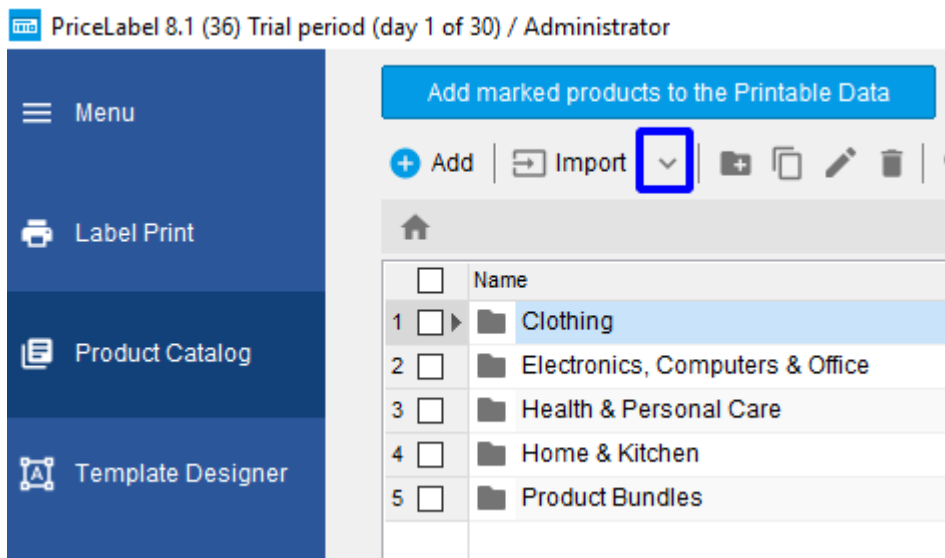


6. Go to the "Import Settings" tab and make the following settings:

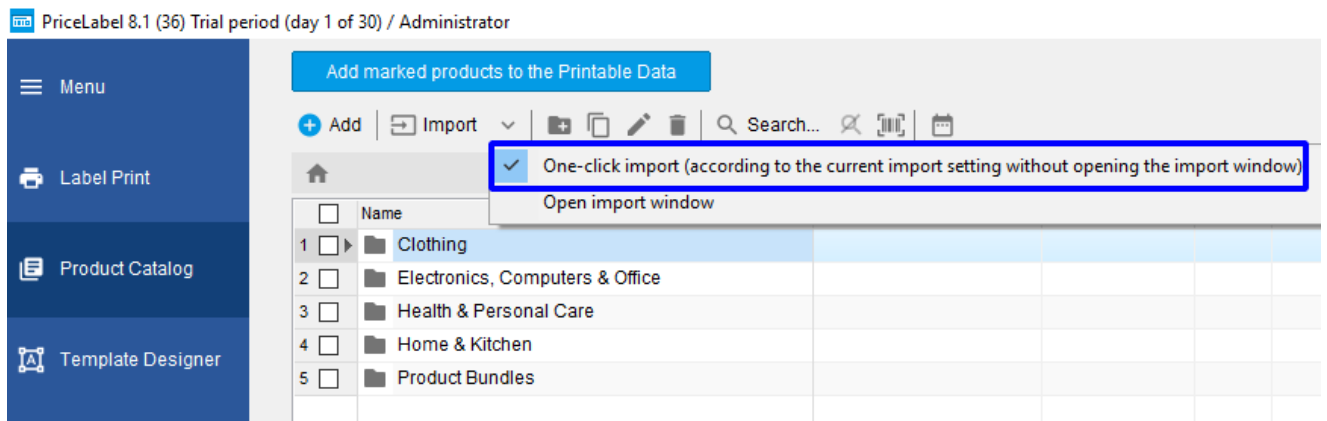


7. Close import window

8. Click on button with arrow right to the "Import" button



9. Click on "One-click import..."



Preparing for the data import is done. It's a one time operation.

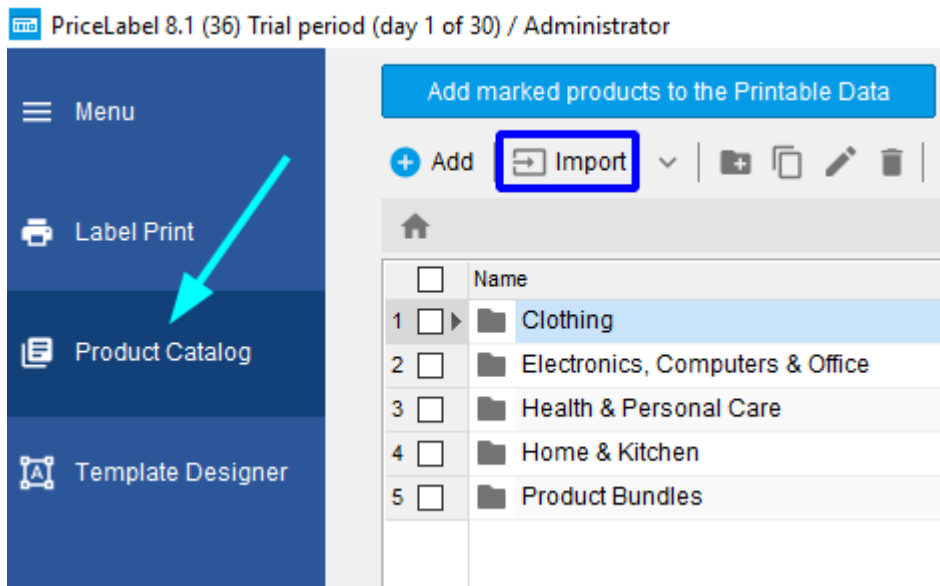
13.2.2 Export data from QuickBooks POS

1. In QuickBooks Desktop Point of Sale, go to **File > Utilities > Export**.
2. From the **Data Export Wizard**, select **Inventory Items** then **Next**.
3. Enter the needed data in the following fields: **Select destination file** - location where file will be saved, **Write records to (sheet)** - worksheet where data must be entered, **Begin exporting data to row** - row where data should be started
4. From the Choose export template, you may select the **default inventory template** or manually manage the mapping to match the details to be exported from QuickBooks Desktop Point of Sale.
5. Select **Next**.
6. Validate if the records ready for export is correct, then select **Export**.

13.2.3 Printing

Before printing, if necessary, synchronize data with QuickBooks POS. To do this:

1. Export data from QuickBooks POS
2. Go to the product catalog and click "Import"



, wait for the operation to complete.

How to print labels is described in the [Printing Labels](#) section.