

# Produmex Scan Complete Configuration Guide

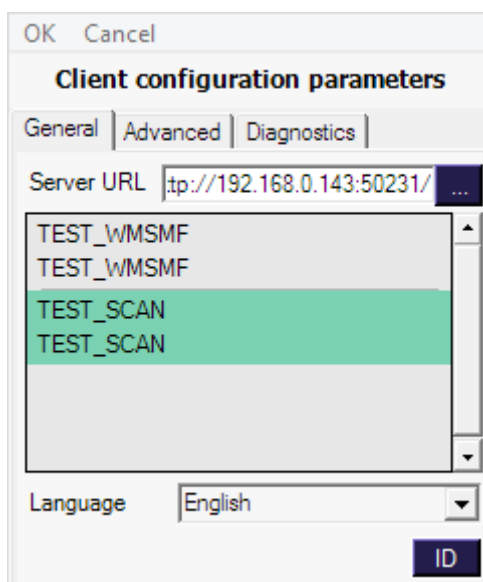
## 1. Configure Produmex Scan

When starting Produmex Scan for the first time on your device, the Configuration screen will open up. To change the configuration after the first use, run the Configure Produmex Scan application.

### 1.1. General tab

On the 'General' tab determine the connection settings and the language of the application.

- Add the Server URL of the server where the client application will connect. The server URL consist the IP address of the server where the Service Broker runs and the port number. The port number is 50231 by default. Press the '...' button to scan for servers.
- After the Server URL has been added, the active databases assigned to the Service Broker are listed on the box. Select the company database from the list. If the application cannot connect to the server, an error message is shown.
- Select the language of the client application from the Language dropdown menu.
- Press the 'ID' button to see the device ID.



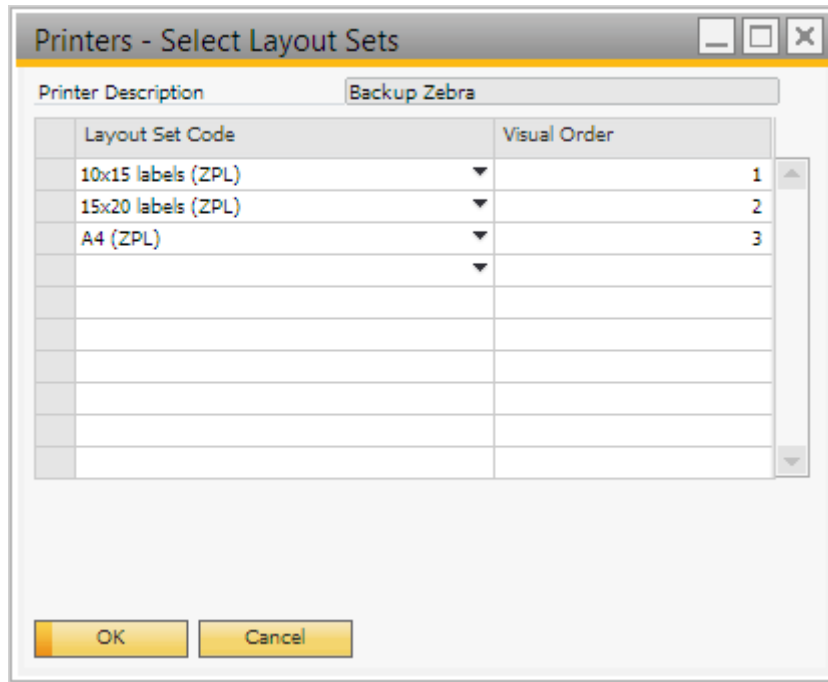
### 1.2. Advanced tab

Go to the 'Advanced' tab for further configurations.

- If you would not like to use the built-in operating system default control buttons, check the 'Do not

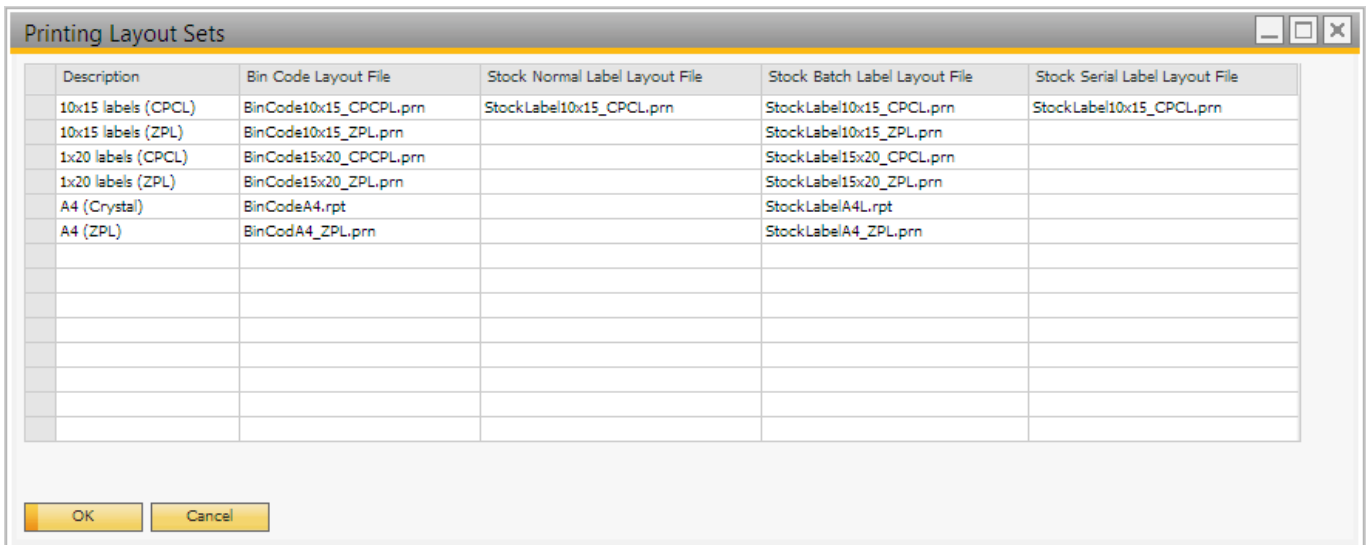






## 2.2. Defining the Layouts

You can define the layouts at Administration>Setup>Inventory>Produmex Scan>Printing Layout Sets. Here you can define which layout files should be used for the specific labels at printing:



Bin Code Layout File is for bin locations, Stock Normal Label Layout File is for normal items, Stock Batch Label Layout File is for batch managed items and Stock Serial Label Layout File is for serial managed items. You can define the place of the layout files at Administration>Add-Ons>Produmex Scan>Produmex Warehouse Settings on tab Reports at setting Report Layout Folder. We recommend using a network folder.

## 2.3. Layout formats

### 2.3.1. Crystal Reports

Regular Crystal Reports RPT files which can contain one or more of the documented parameters. The report can connect to and read from the database. The database logon parameters (username, password, server, company name) are set by Warehouse before executing the report.

### 2.3.2. Zebra ZPL

Zebra ZPL files (or CPCL files) are text files which can contain one or more Placeholder strings. The placeholders will be replaced by Produmex Scan before it is sent to the (networked TCP/IP or local printer on the server) Zebra printer.

Sample Stock Label ZPL file (text file), with placeholders highlighted:

```

^XA
^PW632
^LL0472

^CWD,E:ARI000.FNT

^CFD,24
^FT434,270^FDItem;^FS

^CF0,24^BY3,3,95^FT135,170^BCN,,Y,N
^FD{Quantity}{0ITM.InvtryUom}^FS
^FT492,270^FD{0ITM.ItemCode}{0ITM.ItemName}^FS
^PQ1,0,1,Y^XZ

```

### 2.3.3. Bin Code Layout

Zebra ZPL	Crystal Reports
ZPL file is printed for every bin location found for the given mask.	Crystal report file is run once with the mask as the parameter:
Placeholders:	Parameters:
{OBIN.BarCode} {OBIN.BinCode} ... (Every field including user fields are available from OBIN table, reference it with the database column names)	BinCodeMask - Bin code mask with * eg. 01-A-1-1*

Zebra ZPL	Crystal Reports
<pre>{ {OOIITMM..lltteemmCNaodmee} }</pre> <pre>{OITM....}</pre> <pre>...</pre> <pre>{Quantity}</pre> <pre>{OBTN.BatchNumber}</pre> <pre>{OBTN.CreationDate}</pre> <pre>{OBTN....}</pre> <pre>...</pre> <pre>{OSRN.MnfSerial}</pre> <pre>{OSRN.DistNumber}</pre> <pre>{OSRN....} ....</pre> <p>Every field (including user fields) available from OITM table            For batches only: every field (including user fields) available from OBTN table            For serials only: every field (including user fields) available from OSRN table</p>	<pre>ItemCode</pre> <pre>BatchNumber</pre> <pre>SerialNumber</pre> <pre>Quantity</pre>

## 2.4. Setting Up Employees

The user specific settings for Produmex Scan users can be configured on the Employee Master Data. The following settings can be configured:

- User authorization
- User password
- Favorite menus
- Printers

### 2.4.1. Authorization fields

To authorize a functionality for the employee, set the corresponding UDF to 'Yes'. The employee will only see the authorized functions on the main menu of the client application.  
 Please note: *The 'Query stocks' function is authorized for every employee by default. It does not have an authorization UDF.*

**2.4.2. Default Printer**

On the *Default printer* UDF the printer used in customization can be defined. This printer will only be used in customization, it will not be listed among the printers defined for the user.

**2.4.3. User password**

Set the user password on the *Mobile Password* UDF.

**2.4.4. PIN Code**

By default the user can login with the *Employee No.* If there is a *PIN code* set, it is possible to log in with the *PIN code* as well.

Company	TEST_SCAN
User	3456
User Name	John Doe
Password	
Printer	Mobile Zebra 01

Client version: 17.04.06001.18920

Login Exit

### 2.4.5. Mobile User Preferences

To configure the favorite menus for a user, select the 'Mobile User Preferences' option from the right-click menu or click on the 'Mobile User Preferences' button on the 'Administration' tab.

Employee Master Data

First Name: John, Middle Name: , Last Name: Doe, Employee No.: 1, Ext. Employee No.: , Active Employee:

Job Title: , Position: , Department: , Branch: , Manager: , User Code: , Sales Employee: -No Sales Employ, Cost Center: , Office Phone: , Ext.: , Mobile Phone: , Pager: , Home Phone: , Fax: , E-Mail: , Linked Vendor:

Address | Membership | Administration | Personal | Finance | Remarks | Attachments

Start Date: , Status: , Termination Date: , Termination Reason:

Absence, Education, Reviews, Previous Employment, Mobile User Preferences, Mobile User Printers

Remove, Relationship Map..., Mobile User Preferences, Mobile User Printers

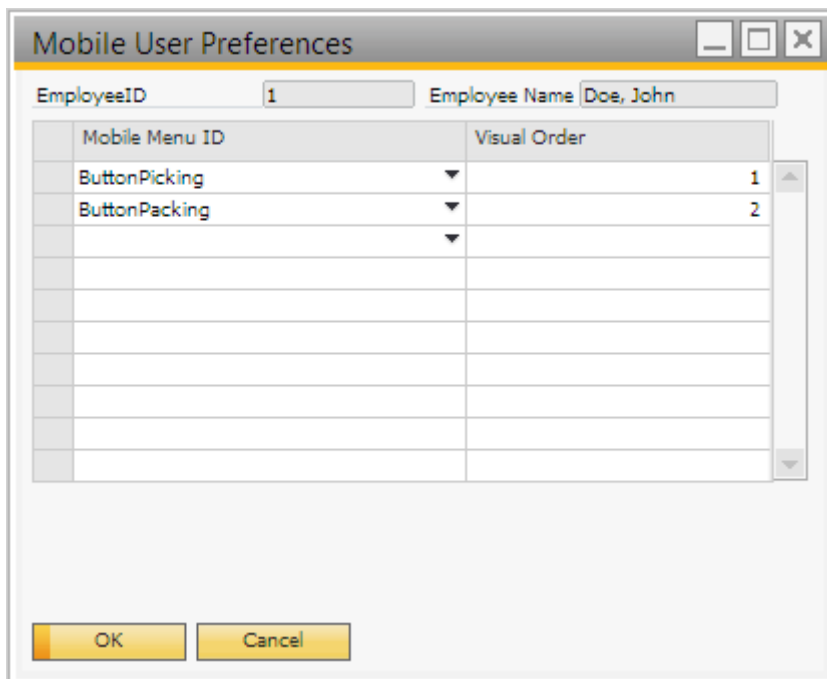
OK Cancel



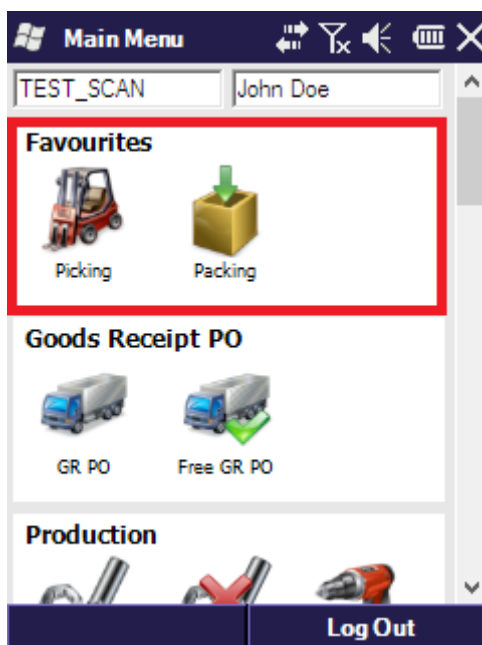
The 'Mobile User Preferences' form will open up. On the header of the form the *Employee ID* and the *Employee Name* are shown.

Select a menu point from the dropdown list on the 'Mobile Menu ID' column then define the sequence of the menu buttons on the 'Visual Order' column. Menu points with the smallest visual order number will be shown first.

Click on the 'Update' button to apply the changes.



The favorite menu buttons will be displayed on the top of the main menu of Produmex Scan.



### 2.4.6. Mobile User Printer

On the Employee Master Data select the 'Mobile User Printers' option from the right-click menu or

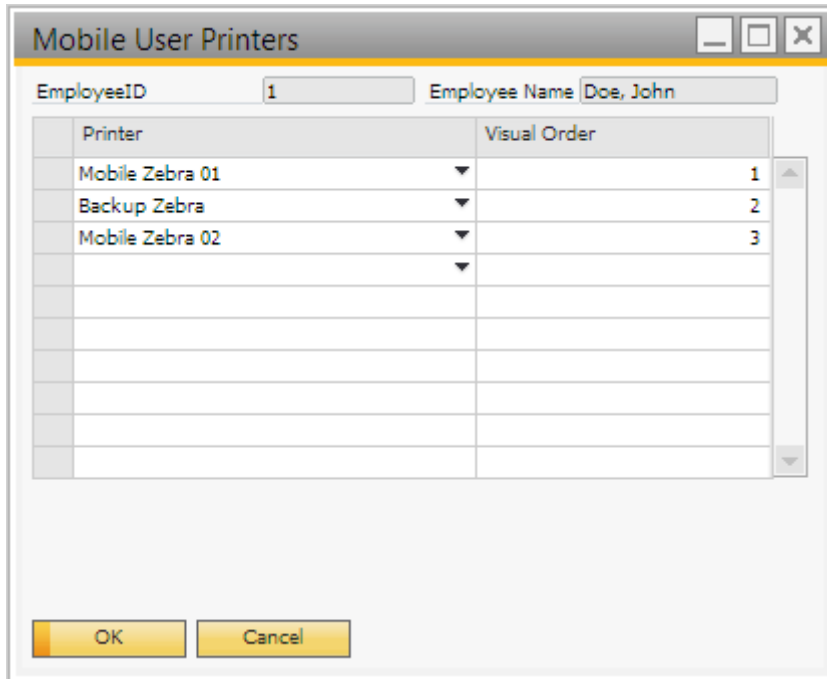
click on the 'Mobile User Printers' button on the 'Administration' form.

The screenshot shows the 'Employee Master Data' window with the 'Administration' tab selected. The form contains various fields for employee information, including name, employee number, and contact details. A dropdown menu is open, showing options like 'Remove', 'Relationship Map...', 'Mobile User Preferences', and 'Mobile User Printers'. The 'Mobile User Printers' option is highlighted with a red box. Other tabs include Address, Membership, Personal, Finance, Remarks, and Attachments.

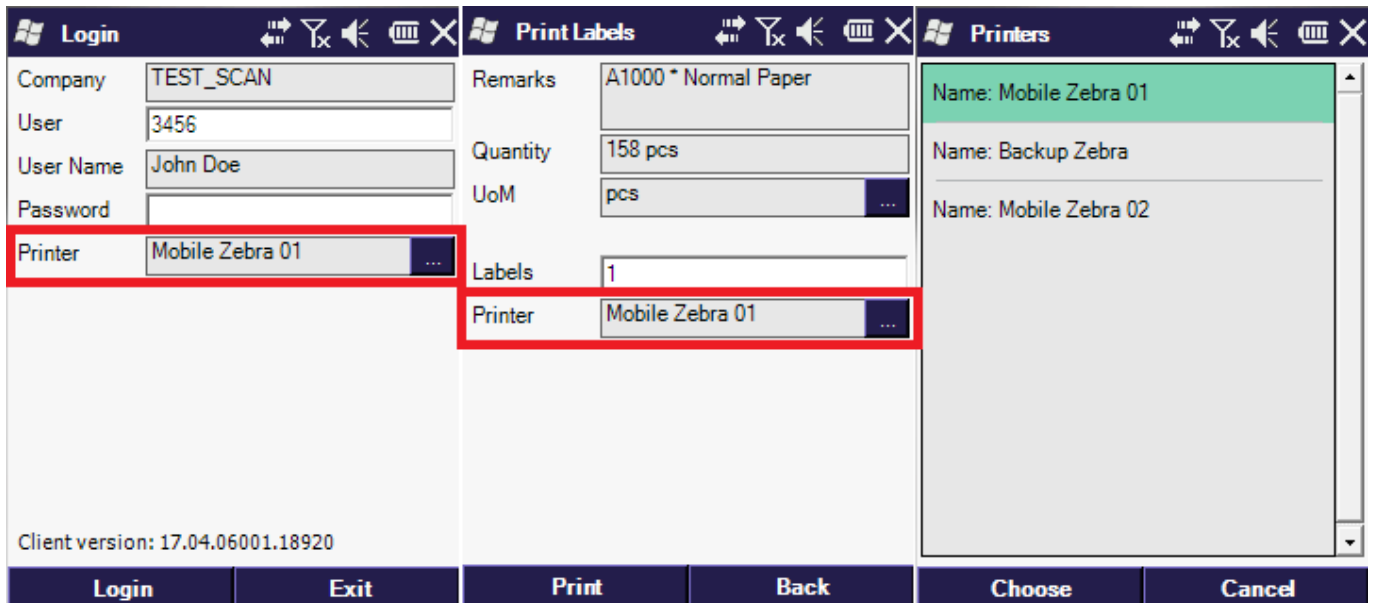
The 'Mobile User Printers' form will open up. On the header of the form the *Employee ID* and the *Employee Name* are displayed.

Select the printer from the dropdown menu. Every [printer defined](#) on the *Printers* table is listed.

Add the sequence of the printer on the visual order column.



The printer with the lowest 'Visual Order' value will be shown as the default printer on the Login screen or before printing. It is possible to change the default printer. Press the '...' button then select a printer from the list. Every printer defined for the user on the 'Mobile User Printers' form will be listed. The order of the list depends on the 'Visual Order' value.



### 3. Produmex Scan Settings

Settings for the system can be found in the add-on, under Administration>Add-Ons>Produmex Scan>Produmex Scan Settings.

#### 3.1. General tab

The following table describes the fields that appear in the 'General' tab of the Produmex Scan Settings window.

Field	Description/Activity
Don't translate trace	If this checkbox is checked, the trace will be displayed in English. Otherwise it will be displayed in the language currently set.
Advanced Progress Bar	If this checkbox is checked, the system will display the Produmex Scan Advanced Progress Bar instead of the Business One Progress Bar. We recommend using the Produmex Scan progress bar, as at long processes SBO progress bar can stop.
DisplayTimeUoM	The default Time Unit of Measure for operations.
Company Logo	The company's own logo, used in reports. Path to image file requested.
BxBackOffice Server URL	This setting is not in use in Produmex Scan
Chart XML Folder	The Work Center Usage form will create an XML file inside this folder, from the data of the WCU chart. If this setting is not set, the system will use the "C:\Documents and Settings\%Username%\Application Data\BX\XML" folder, where %Username% means the user currently logged in.
Produmex Support Business Partner	If an error occurs, a message box is displayed with the error details. You can send the error message to Support from this message box. You will need to set a Business Partner first, and set the Contact Person's email address. Set this Contact Person's code for the Produmex Support Business Partner field. You have to set up SBO Mailer for this function to work.
Name of last started AddOn	This is an internal field, containing Name of the last started add-on.
Date of last started AddOn	This is an internal field, containing Name of the last started add-on.
Time of last started AddOn	This is an internal field, containing Time information about the last started add-on.
Use Message Board	The message board lets add-ons communicate with each other. In some cases, events are forwarded to non-Produmex add-ons. In this case, turn this setting off, but in this case communication between Produmex add-ons will stop.
TxSyncServer URL	Not used in Produmex Scan.
Seconds of last started AddOn	This is an internal field, containing information about the last started add-on.
Grid Row Count Decrease Number	Decrease height of form grid to allow buttons being correctly seen at the bottom of the window. Positive integer needed. Useful if you have SAP 8.8 or higher with a low resolution monitor and the buttons are in the grids.
Close Stucked AddOns	If this checkbox is checked, when the add-on is starting it will kill any other instance of BXWH9AddOn.exe. Only one Produmex Scan add-on can run at a time.
Enabe Produmex statusbar (SBO 8.8 or above)	Produmex Scan has it's own statusbar. Sometimes there were SAP errors, using SAP default statusbar.
Do Not Use GetAsXml	This setting is not in use in Produmex Scan When Produmex Scan request table information, we can use GetAsXml SAP function. Sometimes there were SAP DI errors, in this case we can use a Produmex Scan function to request the data.
Password for DI Connection	Modify DI connection mode to work around for SAP 9.0 p19 hotfix 1 bug by direct DI connection

### 3.2. SQL tab

The following table describes the fields that appear in the 'SQL' tab of the Produmex Scan Settings window.

Field	Description/Activity
ADO.NET SQL Username	The User name for the MS SQL database (usually sa). Scripts use this setting (for example for upgrading a database).
SQL Time out in seconds	SQL Timeout setting for SQL queries.
Validator SQL Timeout	This setting controls how long the system will wait for a response for SQL queries. If a timeout is reached, the system will throw an exception, and the query is canceled.

### 3.3. Logs tab

The following table describes the fields that appear in the 'Logs' tab of the Produmex Scan Settings window.

Field	Description/Activity
Auto Purge Audit Logs in days	The add-on logs each database transaction in the Audit Log table. This log can be deleted automatically in the interval set here. The default setting is 30 days.
Keep Audit Logs in days	The system deletes the log entries, which are older than the number of days set here.
Log resource strings	If this checkbox is checked, the system logs every Resource String from open forms to a log file in the BX Log folder.
Logging Level	Sets which events are logged (errors, warnings, information, both). The default path is: "%System Folder%\Documents and Settings%\Username%\Application Data\BX\Logs"

### 3.4. Reports tab

The following table describes the fields that appear in the 'Reports' tab of the Produmex Scan Settings window.

Field	Description/Activity
Report Layout Folder	The folder which contains the RPT files for reports.
Report Output Folder	The folder which will contain the generated PDF files for reports.
Paper Size (Reports)	Paper size for reports. Example: A4, A3
Paper Orientation (Reports)	Paper orientation for reports. Example: portrait, landscape
Printer Name (Reports)	Printer name for reports.
Print Preview (Reports)	If this checkbox is checked, the system will generate a PDF file from the Print Preview, before printing.
Preview with Watermark	This checkbox is not used currently.

### 3.5. Produmex Scan General

The following table describes the fields that appear in the 'Produmex Scan General' tab of the

Produmex Scan Settings window.

Field	Description/Activity
Maximum number of documents to display in all processes (more than 20 may cause performance issues)	The maximum number of lines in the lists (eg. list of Purchase Orders, etc)
Maximum number of serials/batches to display (more than 100 may cause performance issues)	If you work with serial/batches numbers, with this setting you can limit the number of the displayed items.
Enable multi-item Stock Transfers	It allows to park transactions before you post them.
Ignore special lines when creating Documents	It is enable, the text lines of a sales order won't be copied to a delivery.
Exclude Sales Orders when checking allocated quantities	It is related to sales order. If it's enable the allocated qty of sales order can be used.
Sales return document location must be the same	Items can only be returned to the same bin location.
Credit note document location must be the same	Items can only be returned to the same bin location.
Keep base document line order for Delivery (instead of picking order)	It is related to setting 'Ignore special lines for documents'.
Real-time Stock Counting	If enabled, Produmex Scan automatically updates the Inventory Counting document with the result of the counting after pressing the Finish button in the end of Stock counting or Quick counting. If this setting is disabled, the counting result will be stored in a user table.
Show all Stock Counting data on scanners	If enabled, already counted items are listed on the Stock Counting screen. <i>Please note: Items with different batch or serial number will be listed in separate lines.</i> If disabled, only the number of the counting records is displayed.
Display all sheet bin locations for Quick Counting	It is enable all bin location will be displayed for quick counting.
Sticky destination location for Stock Transfer Requests	If enabled, the last To: location will be remembered during processing Stock Transfer Request, this can be convenient if STR items are put in the same destination location (maybe a cart, pallet, etc.)
Keep focus on prepared line (all processes)	If enabled, the last To: location will be remembered during processing Stock Transfer Request, this can be convenient if STR items are put in the same destination location (maybe a cart, pallet, etc.)
Display completed Stock Transfer Request lines at the end of the list	At Stock Transfer Request process the processed lines will be shown in the bottom of the list.
Goods Receipt PO quick refresh mode	Enable for GR/PO quick refresh mode.
Timeout for messages (except for errors, seconds)	Warnings, Information messages, are closed automatically after the time set at this field.
Diagnostic Client Log settings	Special option for collecting error logs from the mobile client. Only use when instructed by Produmex support.
Don't show icons on main menu (use buttons instead)	Display only simply buttons with no icons.

Field	Description/Activity
Detailed mobile log	Only for picking and stock transfer. More details are recorded in to table: @BXPLMSMOBLOG

### 3.6. Produmex Scan Scanning

The following table describes the fields that appear in the 'Produmex Scan Scanning' tab of the Produmex Scan Settings window.

Field	Description/Activity
Item code or item barcode must be scanned for Sales Order	If this option is enabled, then the item code or the item's bar code must be scanned when delivering the sales; otherwise the item is prefilled and doesn't need to be scanned.
Item code or item barcode must be scanned during Picking	If this option is enabled, then the item code or the item's bar code must be scanned during picking; otherwise the item is prefilled and doesn't need to be scanned.
Prefill quantities for Goods Receipt PO	Prefill quantities (separate options for different processes): <b>None:</b> No prefill will be used for this task. <b>Open:</b> The system will fill in the quantities of all receives as the full expected or full remaining expected quantity. For example: if the order is 20 and 5 have been received, the system will default the next receive for 15. <b>Unit:</b> The system will fill in the quantities with one unit.
Prefill quantities for Picking	
Prefill quantities for Issue for Production	
Prefill quantities for Receipt from Production	
Prefill quantities for Return Components	
Prefill unique batches (outgoing processes)	For unique prefixed batch numbers. With this setting it will be filled out automatically.
Prefill unique batches for Stock Counting	For unique prefixed batch numbers. With this setting it will be filled out automatically. At Stock Counting.
Post the corresponding quantity when scanning item bar code in quantity field	When scanning an item's bar code into a quantity field, a quantity of 1 for the corresponding UoM is pre-filled; if this option is enabled, the quantity is automatically posted/added, otherwise the user has to press the Add/Update/Post button.
Auto book unit when scanning normal item for Stock Counting	When doing inventory counting, scanning a barcode automatically counts a unit (eg. 1 piece, 1 carton) for the item
Barcode scanner prefix Barcode scanner suffix	If the barcodes contain prefix/suffix characters that should be removed before processing it, you can specify it here. Eg. if you have a ( and ) prefix/suffix, the printed item barcode can look like (A1000) which will be processes as A1000.
GS1-128 barcode group separator	Group separator character for GS1-128 type barcodes. Example: \$
Code ID type	For GS1-128, there are two international standards, the Symbol standard and the AIM standard. With Symbol CodeID, the scanned input text is prefixed with (K for GS1128. Currently only Symbol is supported.
Allow selecting locations from Find Stocks screen (outgoing processes)	If enabled, the Find Stocks button on the Pick List - item quantities screen allows to select an location.
Allow selecting batches from Find Stocks screen (outgoing processes)	If enabled, the Find Stocks button on the Pick List - item batches screen allows to select an existing batch.

Field	Description/Activity
Optimized mixed serial/bin handling (Goods Receipt PO, Stock Transfer Request)	At GR/PO lines screen you have to enter the bin location and serial. With this you can save one step

### 3.7. Produmex Scan Picking

The following table describes the fields that appear in the 'Produmex Scan Picking' tab of the Produmex Scan Settings window.

Field	Description/Activity
Allow working on already taken Pick Lists	It is advised for an extend pick list. More than one user is allowed to pick the items included in the list.
Real-time Picking (post instantly after picking an item)	If enabled (default) every picking action instantly updates the SAP Pick List document.
Allow changing bin/batch/serial allocations for Picking	If enabled, the bin/batch/serial numbers are allowed to be different than what is specified in the Pick List.
Speed Picking (Real-time Picking must be disabled)	If it is enabled, the lines from the selected picklist are loaded only once, when the Picking screen is first opened for that pick list. The selection automatically jumps onto the next un-picked line following the line last picked; this is another improvement to simplify the picking process.
Sequential Picking ('Speed Picking' must be enabled)	If it is enabled, the entire control stays basically in the Picking Line Details screen, and the control jumps back to the Pick List screen only after the last line has been picked. The user can always jump back with the Back button, of course.
Streamlined Picking	Enables a special POS-like mode for picking where all items are picked from a single bin location or non-bin warehouse. In this case, scanning an item code or barcode automatically adds a quantity of 1 (can be changed on the screen) to the picked quantity.
Pick List lines quick refresh mode	When picking from a non-bin warehouse the Pick List - lines screen can be set to only refresh the current line data (quantities), not the whole list.
Release active Pick List on timeout	During picking, the Pick List is allocated to the working employee. If there is a timeout and the worker is forced to the main menu, if this option is set the pick list will be reset to be available to others.
Timeout interval for Picking (seconds)	If specified, the worker is forced to the main menu from picking after this many seconds of inactivity.

### 3.8. Produmex Scan Strategies

The following table describes the fields that appear in the 'Produmex Scan Strategies' tab of the Produmex Scan Settings window.

Field	Description/Activity
Incoming strategies user query name	The user query name used for the incoming strategy.
Incoming strategies frequency (seconds)	Number of seconds to run the incoming strategy periodically. 0 = disabled.



Field	Description/Activity
Replenishment strategies user query name	The user query name used for the replenishment strategy.
Replenishment strategies frequency (seconds)	Number of seconds to run the replenishment strategy periodically. 0 = disabled.

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