

# PRINTSHOP MAIL SUITE



## PrintShop Mail Suite 7.1.2 Release Notes



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# 1 What's New

## 1.1 PrintShop Mail

### Output and production enhancements

- **PDF/VT1**  
PDF/VT is an emerging standard designed for the exchange of variable data printing (VDP) jobs. Printers supporting PDF/VT will no longer need conversion to a legacy printer language, resulting in more stability and flexibility.
- **Revamped Print to Web dialog**  
The new Print to Web dialog shows all options seen in the standard Print dialog of PrintShop Mail and now includes options like Split Job and Print to File. In addition the user can change the print technology from within this dialog (for example to create Adobe PDF output). Note that "file" output (e.g. PDF and Print to File) is stored on the PrintShop Mail Web (PSM Web) server and can be downloaded via the PSM Web web interface.
- **Joboptions selection**  
The Print dialog lets the user select an joboptions file when generating PDF or PDF/VT output. The user may install new joboptions files by placing them either in the appropriate Acrobat Distiller directory or next to the .psmd document.
- **Improved barcode quality**  
*Align to Pixel Raster* and *Dot Gain Compensation* properties are added to barcode objects to optimize printing tolerance and enhance the barcode quality.
- **Page Level bleed margins**  
Now both the *Add to Job* and *Include in Job* bleed margin options can be combined with the *Page Level* property.

### New Document Design features

- **Kerning and Tracking**  
Kerning is the adjustment of space between pairs of letters. Some pairs of letters create awkward spaces. The *Automatic Kerning* option invokes the kerning table of the font. This table controls the inter-character spacing for the glyphs in that font. Tracking differs from kerning in that tracking is the adjustment of space for groups of letters and entire blocks of text. Tracking is used to change the overall appearance and readability of the text, by making it more open or more dense.
- **Two-color threshold**  
The *Two Colors* mode of an image object converts the image to a high-contrast, black-and-white image by simplifying the color information of that image. A new control is added to set the threshold for the conversion. Note that the PrintShop Mail application lets the designer set alternate colors for black and white or make either of them transparent, this could be used to apply a color to a scanned signature.
- **Persistent variables**  
Persistent or global variables simplify the usage of variables in external documents. The user creates *Persistent Variables* in the *Variables* panel but there is no need to place them in an actual text object. In case external text files contain placeholders for persistent variables these will be replaced with the data when merging the document.

## Advanced Database handling support

- **Custom query support**

After connecting to a database, PSM 7.1 allows you to define a custom SQL query and use the result as the main dataset for the document. The SQL dialect and conformance level are driver-specific. Microsoft Access and Excel both use [Microsoft Jet 4.0 SQL](#) while SQL Server uses [Transact-SQL](#).

- **Use bitmap images embedded in the database source (BLOB)**

Bitmaps embedded in a database (typically Access or SQL-based) can be used as variable elements in your documents. The bitmaps can be stored in the database as embedded OLE objects (JPEG, BMP, TIFF, etc.) or as raw binary data.

- **ODBC enhancements**

- Many databases open significantly faster.
- Support for schema namespaces.
- Support for Data Source Name (.dsn) files. DSN provides connectivity to a database through an ODBC driver. The DSN contains database name, directory, database driver, and other information.

- **Improved XML support**

Use any single node as the root element for your data.

- **Add multiple data fields in a single action**

Use drag and drop to add multiple selected data fields to your document in a single action or change the properties of multiple data fields simultaneously.

## 1.2 PrintShop Mail Web

### Microsoft Word support

- **Microsoft Word Mail Merge Engine**  
Customers can order MS Word Mail Merge documents via the PrintShop Mail Web web interface. The ordering workflow includes data entry options as seen for PrintShop Mail documents. This includes entering data in a webform or upload a database file from the local machine.
- **Enhanced previews and softproofs for Microsoft Word File Upload documents**  
File Upload Templates allow the user to upload virtually any type of document to their shopping cart in PrintShop Mail Web. After uploading a Microsoft Word document a thumbnail is generated and before adding the document to the shopping card the visitor needs to review a softproof.

Requires Microsoft Word 2007 or 2010 to be installed on the server. Documents created with older versions of Microsoft Word can be used for both features.

### New pricing options and ordering enhancements

- **Discount Vouchers**  
Allows administrators to provide discount vouchers for use during checkout. Vouchers can discount either a fixed price or a percentage of the order total. Various restrictions can be set (optional), including: date expiration, total number of redemptions, apply to specific documents and companies.
- **Price Groups**  
The Price Groups feature lets the administrator setup pricing in a central location. This simplifies the management of pricing settings as they can be assigned to documents that share the same price structure.
- **Address formatting**  
The country selected when placing an order defines the address format used in e-mail confirmations and pages that show the address information. Address formats are user definable.

### Enhanced Production features

- **User definable output folder locations**  
The output folder paths are no longer restricted to the folder structure of the PSM Web website. Output folders can be set to any location on the PSM Web server or to a network location.
- **Monitor Print to Web jobs**  
The new Print Jobs overview in the Order Manager section shows the output requests instantiated using the Print to Web feature of PrintShop Mail.
- **Download output files created via Print to Web**  
PDF and print to file output invoked via the Print to Web option in PrintShop Mail can be downloaded via the PrintShop Mail Web user interface.

### Updated components

- **Updated Components**  
The core components of the PSM Web system are upgraded to the most recent general available (GA) versions. These components are:
  - Apache web server
  - MySQL database server
  - PHP scripting language
  - Zend Framework
  - jQuery



## 2 System Requirements

### 2.1 PrintShop Mail Suite for Windows

#### 2.1.1 Prerequisites

Please ensure that the following requirements have been met before you run the PrintShop Mail Suite installer:

- Be sure to have an internet connection during the installation!
- For PSM Web the login user must have administrator privileges
- PrintShop Mail Suite requires the following system components to be installed on your computer prior to installing the product:
  - Microsoft .Net Framework
    - Version 2.0 SP1 (on Windows 2000, XP and 2003 Server)
    - Version 3.5 SP1 (on Windows Vista and 2008 Server)
  - MSXML 4.0 SP2 Parser and SDK
  - VCRedist (Visual C++ 2008 vanilla)
  - Access Database Engine

The PrintShop Mail Suite setup will automatically check these requirements, missing third party software packages will be downloaded from the internet and installed (but of course, not without your permission). The mentioned components can also be downloaded and installed manually. Installers for these packages can be downloaded from the [Microsoft](#) web site.

The software components are installed in the *Program Files* folder of the system drive. Normally this is C:.

#### Upgrading from a version prior to 7.1

You cannot use the PSM Suite 7.1.2 setup to upgrade versions prior to 7.1. In this case the software should be upgraded to version 7.1 first and then apply the update to version 7.1.2.

#### 2.1.2 Supported Operating Systems

- Microsoft Windows 2000 (32-bit)
- Microsoft Windows XP Professional (32-bit and 64 bit)
- Microsoft Windows Vista (32-bit and 64 bit)
- Microsoft Windows 2003 Server (32-bit and 64 bit)
- Microsoft Windows 2008 Server (32-bit and 64 bit) (also R2)
- Microsoft Windows 7 (32-bit and 64-bit)

Objectif Lune has not tested and certified PrintShop Mail Suite applications on virtualized environments. Objectif Lune support will assist customers running the applications on virtualized environments in the following manner: Objectif Lune will only provide support for issues that either are known to occur on the native OS, or can be demonstrated not to be as a result of running on virtualized environments.

#### 2.1.3 Minimum Hardware Requirements

- Pentium 4, 3 GHz 32-bit (x86)
- 2048 MB of system memory
- 80 GB hard drive
- SVGA monitor, minimum resolution 1024 x 768, 16 bit
- CD-ROM drive

#### **2.1.4 Notes on PrintShop Mail Web**

- PrintShop Mail Web is a server software and is delivered as an executable installer with predefined configuration settings. We strongly recommend to install the software on a clean installed Windows computer.
- The Microsoft Word Mail Merge functionalities require Microsoft Word 2007 or 2010 to be installed on the server.
- For production servers, it's recommended to invest in specific server hardware, such as large RAID hard disks, UPS (uninterrupted power supply) and enough RAM memory.
  - Intel or AMD dual-core processor
  - 4096 MB of system memory
  - 300 GB hard drive



## **2.2 PrintShop Mail for Macintosh**

### **2.2.1 Supported Operating Systems**

- Mac OS X 10.4.11 or later

### **2.2.2 Minimum Hardware Requirements**

- Power PC® G4, 1GHz
- 1GB of RAM
- 50 MB of available hard-disk space
- 1,024 x 768 screen resolution
- CD-ROM drive



## 3 Version Notes

### 3.1 PrintShop Mail

#### 3.1.1 Resolved Issues

##### Version 7.1.2

- A problem with output optimization in combination with external text files that are variable for certain records and static for other records has been resolved.
- QR Barcodes didn't properly state japanese kana characters.
- In some scenarios fonts were not collected when using Print to Web, Publish or Save for Output.
- An issue has been resolved where barcodes did not shown on VPS output

##### Version 7.1.1

- Output of N-Up jobs showed incorrect layout order and duplicated counters when using Page Level bleed (Preferences -> Imposition settings).
- Fixed an issue where the angle of rotated barcodes was not stored with the document.
- Updated German language strings in application UI.
- Product Manager (role) was not able to save changes to a User Input field entry in the Publication Types section (Unauthorized access).
- If an JPG image has a corrupt ICC profile, it will no longer cause the entire print job to fail.

##### Version 7.1

- Very large numbers are no longer truncated (trailing zeros)
- Layout Count function didn't increment correctly.
- An issue has been resolved where the jpg previews for PSM Web contained unwanted black bars/areas
- Rotated barcode objects placed near the edge of the page are no longer truncated.
- OneCode barcode's width kept shrinking when changing records, this has been fixed.

##### Version 7.0.5

- Fixed a bug in our output buffering mechanism that caused PSM to generate corrupt output, under certain conditions.

##### Version 7.0.4

- In some cases, PDF text would get flattened (i.e. turned into a bitmap) in the print output. Workarounds included downgrading the PDF to 1.3 and saving the PDF as an EPS. This problem should be fixed now.

##### Version 7.0.3

- A custom page size will no longer revert to the default size after you reload a saved document.
- The font of variable text could reset to a different font if the original font was a symbol font. For example: Wingdings.
- Several database related errors should no longer occur. Most notably: "Record is too large" when opening a database, and "Either BOF or EOF is True" while browsing through records.

##### Version 7.0.2

- Fixed the viewing orientation for PDF output of landscape documents.
- Spaces in PDF text were sometimes replaced by squares (notdef glyphs). This problem has been fixed.

- PSM now uses font substitution if a font is not available when rendering a PDF or when converting a PDF to EPS.
- Improved the mechanism that finds matching paper sizes when loading documents.
- Pasting an object that references an undefined spot color will no longer produce an error.
- Verify and Print will no longer produce unoptimized output.
- FreeForm and FreeForm 2: sending only the master data did not produce any output. This problem has been fixed.
- Whitespace in a variable with only one line will no longer have whitespace removed when 'Remove empty lines' is used.

## Version 7.0.1

- It should now be possible to install PSM Suite on any non-English OS.
- Installer: plug-ins are now always installed, they are no longer optional.
- Copy-pasting objects would sometimes cause data fields to remain visible in the Data Fields pane even when they are no longer in use. This bug has been fixed.
- Opening a database through ODBC should no longer produce an error.
- After opening a document by double-clicking a psmd file, lines in text objects would sometimes appear to wrap incorrectly. This update problem has been fixed.
- If a column in a CSV or Excel database contains mixed types, its field type in PSM will now correctly be set to Text.
- Selecting or right-clicking an object would sometimes add that object to the current range of selected objects. This bug has been fixed.
- The Save as PDF menu item is now disabled if no document is open.
- Formatting of variables: the Email category is no longer reset to Text after saving and loading a document.
- The Credits dialog now correctly displays the installed features on network dongles.
- After placing certain EPS images on a layout, their orientation in the design view would be incorrect. This bug has been fixed.
- The Update Request menu item now redirects to the Voucher page when an empty dongle is attached.
- Improved error handling when PSM cannot establish a connection to PSM Web. After testing the connection you should now get error details.
- PSM is now more robust when it comes to misbehaving macros.

## 3.1.2 Recommendations

- Multi-user version: for PrintShop Mail 6.x-net, License Manager 2.0.7 (or later) is required. This version of PrintShop Mail License Manager can be freely downloaded from our website (download page). Please consult the on-line Help of PrintShop Mail License Manager for more info about it
- Opening documents made in PrintShop Mail 4: as 'Regional Settings' can be set per variable object in PrintShop Mail 5 and higher, it is advised to verify and adjust f.i. the DATE format settings for the variable objects in that document.
- #13862 Batch files (.bat) for Automated Printing must be saved in ANSI encoding#11761 (also on double-byte systems).

### 3.1.3 Known Issues

The following are known issues:

- **"Compatibility issues found" message**  
When publish to web or print to web functions are used a compatibility warning is shown even though the PSM version to create the document and the PSW version matches.  
*Workaround:* Stop and restart the PrintShop Server service
- **Alternate color representation of a spot color is slightly different**  
SpotColor alternate-color might deviate slightly from the same (non-spot) color specified to a document element (fill color, border).  
*Workaround:* If the exact alternate color is required, use that directly instead of using a spot-color.  
Note: Print output for printers that have the spotcolor available is correct, no action needed.
- **Spot color alternate color in output stream is LAB**  
The colormodel for the alternate color for a spotcolor is in LAB colormodel in the output. *Workaround:* If the alternate color is required to be in a specific model (CMYK;RGB or Gray) then use that color directly.  
Note: Print output for printers that have the spotcolor available is correct, no action needed.
- **Not all printers installed on the PrintShop Web server are shown**  
When printing to PrintShop Web the list of printers may not be up to date after installing a new printer on the PrintShop Web Server.  
*Workaround:* Restart the PrintShop Server service after installing a new printer on the PrintShop Web server.
- **Page numbers per page is not supported when using repetition**  
It is only possible to place an object on a layout and not on the whole page.
- **On Windows 2000 the 'Vertical-Layout' feature is not supported**  
When opening documents, on this platform, containing objects with Vertical Layout set to 'Yes', this setting will be changed to 'No' without warning.  
*Workaround:* Use PrintShop mail on a machine with a different Operating System installed
- **The first line of a linked text object is incorrectly indented**  
In linked text objects, if a paragraph spans multiple text boxes, its First Line Indent setting will be applied to the first line of each of those objects.
- **Can't use Excel 2007 (.xlsx, .xlsb, .xlsm) or Access 2007 (.accdb) databases on Win 2000**  
Office 2007 is not supported on Windows 2000. *Workaround:* Convert the databases on a machine with Office 2007 installed to Excel 2003 format or run PrintShop Mail on a machine with another Operating System installed.
- **DirectSmile images are being output with a watermark**  
The printed output shows low resolution DirectSmile images with a "Preview" watermark. *Workaround:* The DirectSmile plug-in requires a PostScript printer. Either print using a PostScript printer or save the output as a PDF and print the PDF via Acrobat Reader.
- **Advanced printer settings may be lost when porting a document to an older OS**  
When opening a document on an older OS, advanced printer settings (like custom page sizes) may be lost. In particular, this will happen when the document was saved on Windows XP SP3, Windows 2008 Server, Windows Vista, or Windows 7, and then ported to an older platform like Windows XP SP2, Windows 2003 Server, or Windows 2000.  
*Workaround:* If this happens, the advanced printer settings will need to be restored manually. Note that PrintShop Mail will display a warning if it detects that the printer driver has changed since the document was last saved. This indicates that some settings may be lost.
- **CSV datasource: Text fields containing over 255 characters are clipped**
- **Print to Web produces blank pages when printing via a Win 2003 Server**  
The Print to Web feature might produce blank pages when printing to a physical printer via PrintShop Mail Web running on a Win 2003 Server. As a workaround one could generate PDF output by setting the print technology in the Print to Web dialog to Acrobat PDF. The output can be downloaded via the Print Job overview located in the Order Manager section of the PrintShop Mail Web user interface.

## 3.2 PrintShop Mail Web

### 3.2.1 Resolved Issues

The following problems have been fixed in the stated releases:

#### Version 7.1.2

- The duplex setting of a document was in specific scenario ignored when using Print to Web.

#### Version 7.1.1

- Uploaded database files showed "0000" for empty date fields. This has been corrected, empty date fields now return an empty string.
- In some scenarios Print to Web output ignored the separator character set for .txt files. This applied to .txt data files using a separator character other than comma.
- Updated iDeal payment connector (B2C module). iDeal accounts created after the 10th of May 2010 use a different SHA signing method and require the updated connector.
- Fixed an issue regarding the calculation of shipping costs (B2C module).

#### Version 7.1

- Output files can be downloaded when using Internet Explorer over an HTTPS connection.
- File upload documents in .docx format can be downloaded from the Job Properties page when using Internet Explorer.
- Company names that include the ampersand character are now shown properly in various order related pages.
- Order date is added to e-mail confirmation messages.
- Published PSM documents using Added Adobe PDF and Adobe PDF/VT1 technologies show the correct print technology in the PSM Web user interface.
- Shipping address is now shown on the order properties page.
- When re-editing rich text user input fields the content is no longer clipped.
- Selecting a different layout in the "Preview Range" screen updates the thumbnail.
- The tracking number of an order is saved correctly.
- Operator Instructions are correctly saved when editing the properties of a template
- Print to Web fixes
  - Print jobs invoked using the Print To Web option now use the database sheet as specified in the PrintShop Mail document.
  - Print to Web jobs show their original document name in print queues and in the Print Jobs overview of PSM Web.

#### Version 7.0.5

- The 7.0.5 release of PSM Suite did not contain fixes for PSM Web.

#### Version 7.0.4

- Public users are no longer being removed from a public company when the administrator assigns additional user accounts to or unassigns accounts from that public company.

#### Version 7.0.3

- The 7.0.3 release of PSM Suite did not contain fixes for PSM Web.

## Version 7.0.2

- Installation of Apache on non standard port numbers will now work properly
- Printing of PDF files will now work properly in all cases
- The Add Company privilege is now working properly
- Company and Department managers can edit their users
- The openssl program needed to create SSL certificates is now working properly
- Softproofs of completed static PDF jobs are now displayed correctly
- Users can view the details of all the orders they have access to.
- The shipping address on the checkout shipping options page will display the correct department address

## Version 7.0.1

- In the export of completed orders there now is a field with the department code
- The hello command of SMTP e-mail server will now contain the domain that was used to visit the site. Some SMTP servers require the domain name in the helo command to be a valid domain.
- German zip code validation on the shipping options page will now accept all numbers as the first character.
- Several security issues are fixed
- Republishing documents no longer fail when the fonts on the server are in use.
- When republishing a document with different field types (database -> user input) the field types are correctly handled.
- Job names in the print queue will now use the <template-id>-<order-id>.psmd format.
- Thumbnail for PSM documents with text overflow is now correctly displayed.
- Softproof will now use selected job option files
- Special characters in variable field names are handled correctly.
- On the license page the voucher button is now enabled when there is an empty dongle
- The user input form fields will now get validated when the user generates a preview
- License information is more accurate
- For CSV databases the correct field type (numeric, date, text, etc.) is recognized
- User input default department contact will now display the correct name
- E-mail template fallback locations are working properly
- Alternative store fronts can be used with public companies
- Downloading a template zip file on the template properties page will now give a valid zip file in Internet Explorer.
- You can add companies when you do not have the B2C license option
- Republishing a template will not reset the user input field types in PSMW.
- Installing payment modules will work correctly if you have installed PSMW on a different drive than the windows installation drive.
- The company name of a public user will now be used in the checkout and in the order manager.
- Upgrading from PSW 2.x with a custom skin set as default will no longer result in a white screen after first run. Custom skins are copied to PSMW 7 but a warning is shown if the default skin is a custom skin and the default skin is reset to keep the site working.

## Version 7.0

- Various skin caching issues are resolved
- 'Drag and drop' was not working in Internet Explorer 8, this issue is resolved
- Various collection related issues are resolved

### **Version 2.2.1**

- Rounding issues in price calculations are resolved
- A number of security issues discovered in PSW 2.2 are resolved
- Skin improvements, added support for: FireFox 3 and Safari for Mac and Windows
- Several Rich Text Editor related issues are resolved (e.g. alignment not working properly).

### **Version 2.2**

- A number of security issues discovered in PSW 2.1 and 2.0.1 are resolved
- Significant speed improvement of the Users and Companies overviews with large number of user accounts, companies and departments
- Softproofs with print restrictions didn't show in older versions of Acrobat Reader

### **Version 2.1**

- Several COUNTER() related issues that resulted in wrong previews and output have been resolved.
- Date format wasn't applied correctly on all web pages.
- The calendar wasn't properly working in all skins.
- Significant speed improvement of the Completed orders overview in the Order Manager section.
- Updated German language strings
- Some strings in the e-mail notifications were hard coded in English

### **Version 2.0.1**

- Fixed Email Notification issues:
  - When placing an order, messages are sent to all users of that company that have the "Release" privilege (across all departments)
  - Deleted and inactive user accounts received email notifications
- In specific scenarios the print output differed from the softproof
- When updating from version 1.0 to 2.0, the following occurred:
  - The publication type properties pages showed department name instead of company name
  - The last user that was assigned to a department encountered an Unauthorized Access warning when creating a new job
- Export from Completed Orders overview did not contain details of the template, pub type and ordered by person
- User input field that have 'linked' default values (f.e. company name) did show special characters properly.

### **3.2.2 Recommendations**

- Adobe PDF printer is not supported as printer for PrintShop Mail Web (Server).
- It is not supported to use the same filenames for different image-files in PrintShop Mail documents (images residing in different (sub)folders).
- E-mail Notification; whilst SMTP authentication offers extra security, it may also slow down the e-mail notification process.
- It is required to have customers (clients) upload MS Excel databases for templates. Other database formats than MS Excel may render unexpected results.
- Currently supported web browsers: MS Internet Explorer and Mozilla FireFox; other browsers may work just fine, but have not been tested.
- To view PDF Softproof (client) it is required to use Acrobat Reader 6.01 or higher.
- Multiple browser sessions using MS Internet Explorer; in some cases users might want to open multiple sessions (multiple logon-instances) of PrintShop Web pages: in such case it is required to start a new instance of IE via the Windows Start menu. Opening a new window from within a running IE-instance will only duplicate the current PrintShop Web page and will not open the login-page.



- Do not use the ampersand character and/or double, single quotes in ISO codes of currencies (Settings section).
- Upgrading to PSM Web 7.1 cannot be undone, the PSM Web 7.1 database is not backwards compatible with older versions of the software.

### 3.2.3 Known Issues

The following are known issues:

- Publishing a PSM document over an existing PSM document sometimes fails. This is caused by the fact that PrintShop Mail Server Service keeps the template in memory for approx 180 secs. You can either wait or restart the PrintShop Mail Server Service.
- After creating a new printer on the PSM Web server this printer is not available for use in the Web interface until the PrintShop Mail Server Service is restart or the PrintShop Mail Web server is rebooted.
- The proceed button of the Moneris payment module is sometimes in FireFox unclickable with the mouse; as a workaround the user can press the Enter key or resize the browser window.
- The Pending Payment status is not reported to MIS modules.
- Advanced printer settings (like custom page sizes) will be lost when publishing documents to a PSM Web server running on Windows 2000/2003 Server from a PSM client running on one of the following operating systems: Windows 2008 Server, Windows XP SP3, Windows Vista or Windows 7.
- Printing of static PDF jobs fails on Windows 2008 Server. Workaround:
  - Select the "Send to folder"-option, instead of using "Print". Retrieve the PDF from the selected Output folder or download the PDF via the download link stated in the outputhistory table. Print the document your local machine.
- Print to Web might show blank pages when printing to a physical printer in case the server runs on Windows 2003 Server and the document contains multiple fonts in a single text object. Workaround:
  - Use Print to Web to generate file based output (Adobe PDF or Print to File for other print technologies). Send the file output to the printer. File based output can be downloaded from within PrintShop Mail Web (Order Manager -> Print Jobs).



## 4 Barcode plug-in

### Requirements

- This version of the Barcode plug-in is compatible with PrintShop Mail version 7 or later. It is not supported by older versions of PrintShop Mail.
- The plug-in requires a hardware dongle with an OL Care date of at least June 2009; otherwise the print output will include a watermark.

### What's new

#### Version 2.1.1 [June 2011]

- Bugfix: QR Barcodes didn't properly state japanese kana characters

#### Version 2.1 [January 2011]

- A new property was added called *Dot Gain Compensation*, also referred to as *Pixel Shaving*. Reduces printing tolerance and enhances the bar code quality (e.g. you can compensate dot gain caused by toner saturation or ink spread).
- The *Align to Pixel Raster* attribute is added (applies to all barcode types). Aligns the bars to the pixel raster of the output device and positions the barcode object at device pixel boundaries.
- Bugfix: OneCode barcode's width kept shrinking when changing records.

#### Version 2.0.5 [March 2010]

- USPS Postnet: Bar height is now fixed at 0.125 inch.
- USPS Postnet: Recommended module width is now fixed at 0.508 mm (0.020 inch).
- USPS Postnet: Space between bars is now 1.25 times larger than the bar width.
- USPS Postnet: The Data and Encoding properties have been replaced by properties called ZIP and Address. When ZIP represents a ZIP+4 code consisting of 9 digits, the Address property can be used to form a delivery point barcode. This works similar to the POSTNET function in PSM.
- Default font size for human readable text is now set to 8pt instead of 12pt.

#### Version 2.0.3 [January 2010]

- USPS Postnet 5, 6, 9, 10, 11 and 12 variants have been replaced by one barcode type called USPS Postnet. The plug-in will use the appropriate Postnet variant based on the input data length.
- Any hyphens will automatically be stripped from the USPS Postnet input data.
- The recommended module width of USPS Postnet has been set to the range between 0.381 and 0.635 mm.
- Japanese Postal now accepts Japanese addresses as input data. The plug-in will extract the relevant information.
- The plug-in now exposes a property called Font Size that controls the size of the human readable text.
- Korean translation.
- [PrintShop Mail 7 only] The expression of a barcode plug-in object can now be viewed and edited through the Variables pane.
- [PrintShop Mail 7 only] Double-clicking a barcode plug-in object will now edit the associated expression.
- [PrintShop Mail 7 only] Snap Frame to Content is supported and set to Yes by default.

**Version in 2.0.2 [June 2009]**

Added a number of new barcode types:

**Linear Barcodes (1D)**

Codabar
Code 11
Code 2 of 5, Code 25
Code 3 of 9, Code 39
Code 93
Code 128
EAN 8 (JAN, IAN)
EAN 13
EAN 14
EAN 128
Flattermarken
GS1-128, UCC/EAN-128, UCC-128
GS1 DataBar, RSS
ISBN
LOGMARS
MSI
NVE 18
Pharmacode
PLANET
Plessey
PZN
SSCC-18
Telepen
UPC-A, UPC 12
UPC-E
UPC Shipping Container Code, EAN/UCC-14, SCC-14, ITF-14

**Postal Barcodes (1D)**

Australian Post
German Parcel Service Label Code
Deutsche Post Identcode
Deutsche Post Leitcode
Japanese Postal
Italian Postal
KIX (Dutch)
Korean Postal Authority
RoyalMail 4State (RM4SCC)
USPS Intelligent Mail Barcode, OneCode, 4-State Customer Barcode
USPS Postnet

**Two Dimensional Barcodes (2D)**

Aztec Code
Codablock-F, Stacked Code 128
Data Matrix
GS1 DataBar Stacked, RSS-14 Stacked
MaxiCode
MicroPDF417
PDF417
QR-Code



## 5 DirectSmile plug-in

### Requirements

- This version of the DirectSmile plug-in is compatible with PrintShop Mail version 6.1 for Windows, but version 7 is recommended. It is not supported by older versions of PrintShop Mail.
- The plug-in requires a hardware dongle with an OL Care date of at least May 2008; otherwise the print output will include a watermark.

### What's new in 2.0.4

[Released: January 2010]

- You can now select multiple DirectSmile objects and change all host addresses, ports, and image sets simultaneously.
- Added support for background images saved in the TIFF image format.
- Korean translation.
- [PrintShop Mail 7 only] The text layer expressions of all DirectSmile plug-in objects can now be viewed and edited through the Variables pane.

### Recommendations

- This version of the DirectSmile plug-in is compatible with PSM version 6.1, but version 7.0 is recommended. It is not supported by older versions of PSM.
- The plug-in has been tested with DirectSmile Generator 3.50 revision 129.
- When using DirectSmile with PrintShop Mail, using a separate machine as production server is strongly recommended to improve stability and performance.
- Certain DirectSmile versions can make use of multiple CPU cores to improve rendering speed. It is highly recommended to use a multi-core machine to run DirectSmile.
- Enabling 'split job' in the print dialog can significantly improve print performance.
- When using a PostScript driver and any print technology other than Creo VPS, you will get the best possible performance by configuring the driver for 'Optimize for Speed' instead of 'Portability'.

### Known issues

- [PrintShop Mail 6.1 only] Rotated DirectSmile objects will get an incorrect offset when using the print technology Creo VPS.
- [PrintShop Mail 7 only] DirectSmile requires a PostScript driver; other driver types are not supported.
- Background image resolution (DPI) must be specified as an integer; a floating point value can cause small gaps to appear between the background layer and the foreground image slices.
- Network traffic between PrintShop Mail and the DirectSmile server will affect print spooling performance. Depending on the complexity of your document and on your system- and network configuration, spooling speed should on average be around 60-75 pages per minute.
- If no DirectSmile dongle is attached to the DirectSmile server, on the printout the DirectSmile watermark will be drawn on top of the personalized text, but not on the background. This is not WYSIWYG; the previews in PrintShop Mail do show the DirectSmile watermark on the background.
- Longer print runs containing a DirectSmile set or documents containing multiple DirectSmile sets may generate time out issues when running DirectSmile Generator and PSM Web on the same machine. The same applies for workflows where documents are being outputted using the Print to Web feature. It is strongly recommended to run DirectSmile Generator and PSM/PSM Web on separate machines.