

inpO2

Release Notes – v. 4.0.1

October 28, 2011

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1. What's New in inpO2 v. 4.0

With this major upgrade, inpO2 adds multiple productivity tools to different components of the application: the Layout Manager, the Assembly Manager, the Ink Manager, and the Wizard.

A flexible barcode object is also added to support different production needs, including integration with digital presses and conventional post-press equipments.

The following sections highlights the changes in the current 4.0 release. For a complete feature list, please refer to the User Manual.

1.1 Barcodes

inpO2 4.0 now supports different barcode standards for integration with digital presses and post-press equipments. Supported standards include the 2/5 interleaved, Code128, Code 39, as well as Asir Codes.

Barcodes can be attached to sheets, signatures or pages. Their formula can be defined using a combination of variables (more than a dozen) and character padding. With such flexibility, any specific workflow requirements can be fulfilled, for example:

- When linked to sheets, barcodes can be used as plate IDs. With digital presses, they can trigger settings for in-line finishing equipments.
- When attached to pages, barcodes can identify product parts in job ganging.
- When attached to signatures, barcodes can also identify them for conventional post-press equipments. When gathering the book or magazine, an optical reader scans barcodes to automatically ensure quality by detecting missing or misplaced signatures in the publication.

inpO2 barcodes can be saved with their own presets catalog and can also be used within mark sets on the light table or with the Layout Manager.

1.2 Layout Manager

Enhanced optimization algorithms. The Layout Manager now better gangs printed pieces on the sheet based on various production constraints such as page format, paper grain, requested quantities, “stick-to-gripper” option to ensure better quality of a specific product, etc.

Depending on the graphic design of the printed piece, one side of the product (top, bottom, left or right) can be selected for bleed merging. In this case, the step and repeat layout automatically rotates and snaps product parts in order to optimize paper usage and number of cuts.

Pre-finishing parameters. A minimum space between different product groups can be set to allow for cutting apart sections of the sheet before the finishing. New settings also allow for grid layout. By positioning product parts in rows and/or columns, no-print areas across the sheet are created allowing for automated finishing with slitters and cutters.

Interface improvements. It is now possible to quickly change multiple product part quantities from the same list in the Layout Manager. The dialog also offers an option to remember last used settings as defaults. For knowledgeable users, a checkbox “Don’t show again” has been added to recurrent warnings, especially when going back to the Layout Manager from the light table.

1.3 Assembly Manager

The Assembly Manager has been redesigned for compatibility with Acrobat 10. The new interface also increases the usability of many small actions such as:

- loading multiple templates at once,
- resizing the window,
- horizontally scrolling in the tree view,
- memorizing last used settings for the display.

1.4 Ink Manager

The Ink Manager was redesigned for more accuracy and ease of use when mapping colors. The list also indicates the provenance of the colors: either imported images or source files.

1.5 Wizard enhancements

The page group margins are now computed by the Wizard based on the bleed value and the space required for marks, and are now transparent to the user.

To replace the margins, page group offsets can be given to ensure the precise placement of the signature on the sheet. In flatwork types of projects, the suggested maximum layout can be modified by overriding the number of pages in rows and columns.

Moreover, trim and bleed marks can now have different offset values.

1.6 More control for imposition layouts

Two options are offered when applying the creep compensation: the adjustment can be done on page trim or on page content, thus page marks will “move” or not based on this new user preference.

When in perfecting workstyle, the color bar on the back can follow or not the same flip axis in order to comply with various press requirements. For example, a color bar placed at the top, on the front of the sheet, can either be flipped at the bottom or remain at the top, on the back of the sheet.

1.7 Increased compatibility and performance

inpO2 v.4 can be used with Acrobat 10.

Limitation: It is however to be noted that the optional placement or inpO2 tools in Acrobat’s upper bar is not recommended (the quick access menus for the presets do not show).

The support for Unicode characters has been extended to all file paths, document names and text fields in the application. For example, a source file that contains East Asian characters in its name can be used seamlessly in inpO2 for input and output.

Limitation: inpO2 does not embed fonts and only uses system fonts. Therefore, a text mark containing non-Latin characters will not display correctly on the light table, and will not print correctly.

The rendering and output of step and repeat impositions has been optimized to dramatically reduce processing time and file size.

For additional details, see [section 8](#).

2. Minimum System Requirements

2.1 Windows

Acrobat 8 for Windows	Acrobat 9 for Windows	Acrobat X for Windows
Software Requirements Adobe® Acrobat® Standard or Professional (recommended) - Version 8.x	Software Requirements Adobe® Acrobat® Standard, Professional (recommended) or Pro Extended - Version 9.x	Software Requirements Adobe® Acrobat® Standard or Professional (recommended) - Version X
Hardware and Systems Requirements - Intel® Pentium® III processor or equivalent - Windows Server 2003 SP1, Windows XP SP2 or Windows Vista - Microsoft Internet Explorer 6 or 7 256 MB of RAM (512 MB recommended) 860 MB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - DVD-ROM drive, if installing from a DVD - USB Port for hardware key	Hardware and Systems Requirements 1.3 Ghz processor or higher - Microsoft® Windows® Server 2003 SP1, Windows XP SP2 or Windows Vista - Microsoft Internet Explorer 6 or higher 256 MB of RAM (512 MB recommended) 860 MB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - DVD-ROM drive, if installing from a DVD - USB Port for hardware key	Hardware and Systems Requirements 1.3 Ghz processor or higher - Microsoft® Windows® XP SP3, Windows Server® 2003 SP2 (update KB930627), Windows Server 2008, Windows Vista® SP2, Windows 7 - Internet Explorer 7 or 8; Firefox 3.5 or 3.6 512MB of RAM (1GB recommended) 1.9 GB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - DVD-ROM drive, if installing from a DVD - USB Port for hardware key

2.2 Macintosh

Acrobat 8 for Macintosh	Acrobat 9 for Macintosh	Acrobat X for Macintosh
Software Requirements Adobe® Acrobat® Professional - Version 8.x	Software Requirements Adobe® Acrobat® Professional - Version 9.x	Software Requirements Adobe® Acrobat® Professional - Version X
Hardware and Systems Requirements - PowerPC® G4, G5 processor (G5 recommended), or Intel® processor - Mac OS X v.10.4.3 or 10.5 (Adobe Acrobat 8.1.2+ is needed for full 10.5 compatibility) 256 MB of RAM (512 MB recommended) 1060 MB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - DVD-ROM drive, if installing from a DVD - USB Port for hardware key	Hardware and Systems Requirements - PowerPC® G4, G5 processor (G5 recommended), or Intel® processor - Mac OS X v.10.4.9 or 10.5 256 MB of RAM (512 MB recommended) 1060 MB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - Safari 2.0.4+ browser - DVD-ROM drive, if installing from a DVD - USB Port for hardware key	Hardware and Systems Requirements - Intel® processor - Mac OS X v10.5.8, v10.6.4 or v10.7 512 MB of RAM (1 GB recommended) 1.2 GB of available hard-disk space 1,024 x 768 screen resolution (1,280 x 1,024 recommended) - Safari 4 or 5 browser - DVD-ROM drive, if installing from a DVD - USB Port for hardware key

3. inpO2 Licensing & Modules Structure

inpO2 is offered in five modules: Wizard, Layout Editor, Assembly Planner, Optimization and JDF Export.

The Wizard is the base module. The Layout Editor license adds the complete light table and tools, a prerequisite for other optional modules.

The following table indicates which features are included in each inpO2 module.

Modules / Features	Wizard (always included)	Layout Editor (needs Wizard)	Assembly Planner (needs Layout Editor)	Optimization (needs Layout Editor)	JDF Export (needs Layout Editor)
Network Licensing			X		
Wizard	X				
Wizard Color Bar		X			
Wizard Custom Flatwork		X			
Light Table / Imposition Objects		X			
Barcodes		X			
Plates			X		
Presets		X			
Default inpO2 Profiles	X				
Profiles Edition			X		
Mark Sets			X	X	
Layout Checkpoints		X			
Step & Repeat tool				X	
Page Section Tool			X		
Document Manager		X			
Page Adjustments			X		
Ink Manager			X	X	
Assembly Manager			X		
Template Export/Import			X		
Template Export for ATM			X		
Web press pagination algorithms			X		
Come and Go pagination			X		
Planning for bound jobs			X		
Sheet optimization for ganging				X	
PDF Output	X				
JDF Output					X

All modules can be purchased separately or in packages. More information about product offerings can be found on the web site or by contacting sales@dynamagram.com.

4. Installation

4.1 Installing Special Editions

inpO2 Network

In addition to the steps below, see the *Installing inpO2 Network* booklet provided with the HASP-HL Net USB key for all instructions regarding the installation of your multiple-license package.

Wizard Edition for OEMs

This entry-level edition of inpO2 is software protected and requires no dongle. The following installation steps apply but please disregard information pertaining to dongles and HASP drivers.

4.2 Macintosh OS X

- Before starting the installation, ensure that your USB dongle is NOT connected to your computer.
- Double-click the “inpO2” installation file.
- Follow the instructions of the Installer.
- If you have more than one instance of Adobe Acrobat on your computer, select the one into which you want to install inpO2 plug in.
- At the end of the inpO2 installation, the HASP driver installer will be launched. This installation is required for the proper functioning of the USB hardware key (dongle). Make sure the dongle is not connected until the process is completed.
- NOTE: If you already have a HASP driver installed on your workstation for a third party application, a message will warn you that HASP cannot be installed on this computer. Simply close the dialogue.
- Once the process is completed, inpO2 will be found in the plug-ins folder of the Acrobat instance that you have selected.
- The next step is to activate your license (see section 5 below).
- Here is the list of all installed files on Mac OS X:
 - inpO2 plug-in
/Applications/Adobe Acrobat 8 Professional (or Acrobat 9 Pro or Acrobat X Pro) /Adobe Acrobat Professional.app/Contents/Plug-ins/inpO2.acroplugin
 - Presets
MacHDL\Library\Preferences\inpO2\.*
 - Documentation
/Applications/Adobe Acrobat 8 Professional (or Acrobat 9 Pro or Acrobat X Pro) /Adobe Acrobat Professional.app/Contents/Plug-ins/Dynagram/inpO2_User_Manual.pdf
 - All Tutorial files are available from the DVD.

4.3 Windows

- Before starting the installation, ensure that your USB dongle is NOT connected to your computer.
- If you are upgrading from a previous inpO2 version, you may want to uninstall the old inpO2 application from the Control Panel to ensure a clean new installation.
- Insert the DVD and follow the instructions of the Installer, or double-click on “setup.exe” if the installation process does not start automatically.
- At the end of the inpO2 installation, the HASP driver installer will be launched. This installation is required for the proper functioning of the USB hardware key (dongle). Make sure the dongle is not connected until the process is completed.
- NOTE: If you already have a HASP driver installed on your workstation for a third party application, a message will warn you that HASP cannot be installed on this computer. Simply close the dialogue.
- Once the process is completed, inpO2 will be found in Acrobat’s plug-ins folder.

- You can find all inpO2 documentation in the Dynagram subfolder.
- The next step is to activate your license (see Activating inpO2 in section 5 below).
- Here is the list of all installed files on Windows:
 - inpO2 plug-in
C:\Program Files\Adobe\Acrobat 8.0 (or 9.0 or 10.0)\Acrobat\plug_ins\inpO2.api
 - Presets
Vista: C:\ProgramData\inpO2*. *
XP: C:\Documents and Settings\All Users\Application Data\inpO2*. *
 - Documentation
In C:\Program Files\Adobe\Acrobat 8.0 (or 9.0 or 10.0)\Acrobat\plug_ins\Dynagram\ : inpO2 User_Manual.pdf, Guide_d'utilisation_inpO2.pdf, Manual_de_instrucciones_de_inpO2.pdf.
 - All Tutorial files are available from the DVD.

Upgrading Acrobat (Windows only)

- Users upgrading from Acrobat 8 to Acrobat 9 or Acrobat X must explicitly uninstall inpO2 from the control panel and reinstall it after the upgrade to Acrobat 9 or Acrobat X. To avoid losing the presets catalogue, users should keep a copy of the folder containing the presets files. The paths are as follows:
 - Mac: MacHD\Library\Preferences\inpO2
 - PC Vista: C:\ProgramData\inpO2
 - PC XP: C:\Documents and Settings\All Users\Application Data\inpO2

5. License Activation & Upgrade

5.1 Activating inpO2 Wizard Edition

inpO2 Wizard Edition is activated on line. Before starting the process, ensure that you have an active connection to the internet.

- Launch Acrobat. A form will be displayed for the activation of inpO2.
- Fill all the required fields of the Activation and Registration form.
- Click the Send Activation Request button and expect an e-mail from Dynagram Sales to the address you have provided.

Once you have received your activation code, continue with the following steps.

- Copy the activation code you received by e-mail.
- Launch Acrobat.
- In the dialog box that will appear, paste the activation code in the field and click OK.
- **Note to MacOS users:** To paste the code into the Activation window, use "Control-Click" and select Paste in the contextual menu. Keyboard shortcuts will not work.
- inpO2 Wizard Edition is now activated.

5.2 Activating inpO2

inpO2 Network

See the *Installing inpO2 Network* booklet provided with the HASP-HL Net USB key for all instructions regarding the activation of your multiple-license package.

About inpO2 DEMO

During the 15 first days of the installation, the application has the ability to run in Demo mode if no dongle is connected. The Demo mode has a limited feature set (no PDF output) and does not allow for job production.

The goal of the Demo is to explore product functionalities. It is NOT recommended to work on production jobs using the inpO2 Demo mode, as working files will not be compatible with the registered version that you have purchased, or will purchase.

About inpO2 Dongle and License

As soon as a dongle is connected and the product is activated, the dongle license takes priority over the Demo mode.

The inpO2 dongle is cross-platform, hence it can be connected to a PC or a Macintosh computer.

The USB dongle needs to be connected to your computer and its red light must be on, meaning it is active and installed properly.

The inpO2 dongle driver is installed automatically upon installing inpO2.

If the inpO2 dongle is not connected to a USB port on your computer when you start Adobe Acrobat, the plug-in will be disabled and the inpO2 menu in Acrobat's menu bar will show only the controls needed for product activation. However, if this happens during the 15 first days of the installation, the product will revert to the Demo mode.

To see your license and dongle status, choose About inpO2... from inpO2's menu.

Activation Steps

In order to activate your inpO2 license, you need to send your USB dongle information to Dynagram or to your distributor.

- Connect the dongle to a USB port of your computer.
- Launch Acrobat.
- In Acrobat, choose License... > Create License Request... from the inpO2's menu.
- Browse and save the c2v (customer to vendor) file on your computer, Then, fill out the registration form at: www.dynagram.com/website/register.asp. You will be prompted to upload your c2v file at the end of the registration form. If you purchased your inpO2 product from a third party, please send your activation request and c2v file directly to your distributor. This encrypted file contains the image of your hardware key and all its license history.

Upon receipt of your activation request, Dynagram or your distributor will send you back a v2c (vendor to customer) file that you need to load into inpO2 dongle to activate the license:

- Ensure that your dongle is still connected and choose License... > Install License... from inpO2's menu.
- Browse to the v2c file on your computer and click Open.
- Relaunch Acrobat to activate inpO2 plug-in.

5.3 Upgrading inpO2

The steps needed to upgrade your inpO2 license are the same as for the initial activation, by the exchange of c2v and v2c files (see above section).

It is important to wait for the reception of the v2c file before you install the upgrade otherwise you will not be able to use the product in the meantime, unless you revert to your previous version's installation.

6. Upgrade Compatibility with older inpO2 versions

Please read carefully this section if you are upgrading from an inpO2 version 3.0 or older.

Working files from inpO2 version 1.x can not be reopened in a version 4.x. They must be resaved in v.2.x first. Moreover, users may be warned that opening obsolete files from v.2 could cause unexpected results.

When opening files created with v.3.0 and before, linear, register or imported marks on the plate (outside of the sheet) will be repositioned on the back without considering the sheet's mirror (3806).

7. Known Issues and Limitations

Known Issues in Version 4.0

- Occasional installation problem with SafeNet HASP SRM dongle driver on Windows:
Error 48 "Unable to start/stop hardlock service with parameters 1119 1058 1. ErrorCode: 48 5 595 1058" or Failed HASP SRM Run-time installation. Error 48 "cannot start/stop aksfridge".
Should this problem happen during inpO2 installation, follow the procedure described by SafeNet at <http://smartbear.com/support/viewarticle/9290/> or contact support@dynamagram.com.
- In Acrobat X, when saving an inpO2 project under a new name (Save As), the PDF sub-menu must be selected before inpO2 file types are offered for saving.
- On Mac OS X only, modeless dialogs (Assembly Manager) sometimes freeze when saving the project or closing Acrobat. A change of focus (for example go to the Finder and come back) resolves the problem.
- The creep compensation on 3/4 webs (or other signatures containing asymmetric laps) is not applied correctly.
- USB Network dongles can not be plugged on a Mac OSX.7 computer. However inpO2 can run with a network license on a Mac OSX.7 workstation, as long as the network dongle is plugged on another operating system (Windows or Mac OSX).

Known Limitations with Acrobat API

The following limitations depend on Acrobat API or third-party developers and may not be fixed in the current products versions:

- 0166, 0167, 0269 and 2828 There is no Undo possible for inserting or deleting a PDF sheet. This limitation also prevents the use of Undo for actions done through in the Assembly Manager and Layout Manager.
- 1247 When working in centimeters, the sheet size is rounded and incorrect in Acrobat status bar (defect ID 1398771).
- 3062 Using Acrobat 8, some non-PDF/X documents with custom color profiles make the application lag indefinitely when used in step & repeat projects (this defect is fixed in Acrobat 9).
- 4381 When working simultaneously with multiple windows or dialogs, Acrobat may, after clicking an action button, yield focus to other applications instead of returning to inpO2.

8. Enhancements and Fixes in v.4.0

Acrobat Integration

- 1482 inpO2 locked pdf source files from the run list even when the layout was closed.
- 3554 Acrobat preferences crashed after a Wizard project was created with the "Show document in its own window" option.
- 4531 The PDF contents of step and repeat impositions has been optimized to increase performance and reduce file size.

Wizard

- 2741, 4487
Users no longer need to set margin values which are computed based on other settings. In return, the maximum number of rows and columns in flatwork jobs can be overridden by the user.
- 5170 New fields for trim and bleed marks offsets.

Assembly Manager

- 0133, 0161, 0176, 0491, 0530, 1239, 1240, 1242, 1422, 1423, 1578, 1819, 3788, 3814, 3923, 4612, 4648, 5307, 4699
Complete redesign of the Assembly Manager interface.
- 0624 The loading of a template in an assembly was ignored when saving the .ably file.
- 3097 Two options are now offered when applying the creep compensation: apply on page trim or apply on page content.
- 5348 Partial webs with irregular symmetry (2/3, 3/4 webs) did not paginate as expected in saddle-stitched assemblies.

Ink Manager

- 0410, 1285, 1290, 1361, 1546, 1943, 3921, 4093, 4205, 4633
Complete redesign of the Ink Manager interface.
- 4728 When a PDF colorant dictionary was missing, density bar appeared in black on the light table instead of the real document color.

Layout Manager

- 3152 New option to define the spacing between blocks of product parts.
- 3885 Persistence of last used settings for press runs.
- 4433 Change on multiple product part quantities simplified.
- 4434 Pre-finishing settings now define new spacings and layout types.
- 4462, 5061
Optimization of numerous product parts on one sheet gives better results.
- 5287 Optimization: grid layout gangings (in rows and columns) .

Light Table

- 2593 New barcode objects for various press and postpress usages.
- 2774 Pages with zero offset trim marks still had an offset but lost bleed marks.
- 3697, 5173
Page marks offsets were relative to bleed instead of page trim.

- 4665 Page groups created with Wizard had wrong snap point references: sheet format changes did not preserve the page group's position.
- 4928 Creep values were sometimes displayed in points on the light table when using inches.
- 5048 Manual ganging applied wrong offsets with particular finishing method trim values.
- 5295 Missing checkpoint for page contents overlapped by bleed.
- 5328 Text expression for "Total Number of Sheets" showed number of flats.
- 5346 Page group tool added product to ganging layout but omitted required properties.
- 5358 An unexpected error arose when undefined managed layout variables were used by text marks.
- 5426 Page numbers sometimes changed unexpectedly when editing step & repeat jobs created with Wizard.
- 5501 The perfecting workstyle now allows to position the color bar on the back of the sheet by following or not the flip axis.

User Interface

- 0467, 3995, 3996, 4032, 4409, 4444, 4546, 4573, 4725, 4854, 4890
Partial unicode support triggered errors with asian characters.
- 3845 Disable/Restore option for recurring warning messages.
- 3968 Unexpected error happened because Ok button wasn't correctly disabled in mark set dialog.
- 4084 Changing the shape of a register mark (circle to square) did not adjust the width/radius value.
- 4947 It was possible to select and apply disabled Sheet/Plate and folding presets.
- 5187 The Preference menu is now enabled with unactivated dongle.
- 5191 Page group's global bleed property was still displayed despite values were different in the bleed side fields.
- 5325 Mark set menu did not check last saved mark set as default.
- 5347 Wrong translation of message error in French version.

Output and Rendering

- 5359 Using specific variables (assembly name, booklet name) in output's flat grouping and naming prevented output.

Automation

- 5451 Starting Automation module in command line modified the default Workflow Description file (integration with third-party products).

9. Fixes in v.4.0.1

Ink Manager

- 5733 Barcodes can now be mapped to any color in the job. The Black ink is selected by default. Barcodes can thus be printed on a single spot color instead of all job colors, which caused scanning errors in case of misregistration.
- 5414 Dashed fold marks appeared only on Black plates at output. They now appear on all plates.
- 1418 Color match is now reset correctly when PDF documents are removed from the job.

Output and Rendering

- 5741 Acrobat crashed when rendering jobs with too many objects or sheets (thousands).

Installation

- 5742 inpO2 Wizard-only Edition used some checkpoints but the function was not included in the license.

10. Customer Feedback

Your feedback on inpO2 is important to us! Please take the time to send your comments and requests to support@dynagram.com. Thanks in advance!

Dynagram R&D and Support Teams
