What's new in APV/X 6.1.0 rev.7071 (since 6.0.2 rev. 6699)

New Features

- Windows Server 2016 Support (#0005371)
- MacOS High Sierra 10.13 Support (Mac OS X 10.9 is not supported anymore)

Fixed Issues

- Improved support of Manroland JobPilot CSV file format (#0005420)
- Improved X-Rite i1iO 1 & 2 support to avoid calibration during measurement
- Fixed local time issues in PDF reports timestamps (#0005397) and in database (#0005488)
- Fixed CxF3 import issue in Alwan Color Library (#0005479)
- Fixed Techkon SpectroDens empty measurement file issue (#0005372)

Licenses

APV/X 6 does not work with APV 5.x licenses (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
APV/X 6 can be activated by dongles with a valid URTS (Update and Remote Technical Support Program).
HiFi features permanent activation requires a physical dongle.
As for all Alwan software, APV/X 6 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

Upgrading from APV/X 5 to APV/X 6 does not require any specific action.
If you are using APV/X 2.6.4 or sooner, please upgrade first to APV/X 2.6.5 before installing version 6.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 6:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

Good practices :
- Before upgrading APV, it is recommended to backup your configuration (Admin -> Backup Settings Only...), this backup may be useful should you downgrade APV for any reason.
- Before upgrading your OS, please refer to "Hardware and System Requirements " part to check if the new OS will be supported by your current version of APV.

System Requirements

Windows:
- Windows 64-bit Operating System (Microsoft® Windows® 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012 R2, Server 2016).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.10.x, 10.11.x ,10.12.x, 10.13.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

What's new in APV/X 6.0.2 rev.6699 (since 6.0.0 rev. 6423)

New Features

- X-Rite i1iO 1 & 2 support
- Multi-pages chart measurement support
- New Manroland JobPilot CSV export file format support
- Database Auto Cleaning
- CxF/X-4 spectral information available in Alwan Color Library: Reflectance curve, Lab graphs, TRC and TVI curves, CxF/X-4 conformance level

Fixed Issues

- Techkon Services Update: improves SpectroJet and SpectroDrive connexions
- Techkon svf measurement file: improved reading of target densities and Ink Zone display
- X-Rite svf measurement file: APV displays and uses now the same density filter as the svf file for spot inks
- JCT refresh upon Alwan Color Library inks modification
- Log manager details in case of FTP errors
- PDF generation with Japanese APV UI
- iSis chart definition file issue with .txf and .cxf file formats (no issues with P2P / CGATS / .txt files)

Warning

Warning for APV/X users updating to macOS Sierra (10.12.x)
Please note that APV/X v6 needs first to be installed on OS X 10.9.x, 10.10.x or 10.11.x before updating your OS to macOS Sierra (10.12.x)

Licenses

APV/X 6 does not work with APV 5.x licenses (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
APV/X 6 can be activated by dongles with a valid URTS (Update and Remote Technical Support Program).
HiFi features permanent activation requires a physical dongle.
As for all Alwan software, APV/X 6 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

Upgrading from APV/X 5 to APV/X 6 does not require any specific action.
If you are using APV/X 2.6.4 or sooner, please upgrade first to APV/X 2.6.5 before installing version 6.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 6:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job

Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 64-bit Operating System (Microsoft® Windows® 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012 R2).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.9.x, 10.10.x, 10.11.x or 10.12.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

What's new in APV/X 6.0.0 rev.6423 (since 6.0.0 rev. 6136)

Fixed Issues

- i1Pro measurement issue when reading lines with different number of patches
- ISO 12647-7:2016 predefined assessment (addition of following ΔE00 criterions: Substrate Color / Primaries / Black Primary)
- ISO Gray Balance ΔCh Max criterion computation
- UI issues : Progress Bar stuck on 0%; icon buttons missing...

Warning

Warning for APV/X users updating to macOS Sierra (10.12.x)
Please note that APV/X v6 needs first to be installed on OS X 10.9.x, 10.10.x or 10.11.x before updating your OS to macOS Sierra (10.12.x)

Licenses

APV/X 6 does not work with APV 5.x licenses (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
APV/X 6 can be activated by dongles with a valid URTS (Update and Remote Technical Support Program).
HiFi features permanent activation requires a physical dongle.
As for all Alwan software, APV/X 6 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

Upgrading from APV/X 5 to APV/X 6 does not require any specific action.
If you are using APV/X 2.6.4 or sooner, please upgrade first to APV/X 2.6.5 before installing version 6.x
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- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 64-bit Operating System (Microsoft® Windows® 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900

screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.9.x, 10.10.x, 10.11.x or 10.12.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

What's new in APV/X 6.0.0 rev.6136 (since 5.3.2 rev. 4989)

New Features

- New Barbieri SpectroPad Series 1 & 2 Support (transfer via USB or wifi under Windows, transfer via wifi only under OS X)
- New Make Ready / Production buttons in Measure Tab
- New Scoring feature (available from Sheet and Job assessment tabs)
- New Job Assessment Settings (enabling criteria customization, Aim Type definition for OK Print)
- New process control assessment: ISO 12647-8:2012 (Validation print processes working directly from digital data)
- New process control assessment: ISO 12647-7:2016 (Proofing processes working directly from digital data)
- New Substrate Color Variation in Reports and Web Interface
- New CxF/X-4 support in Alwan Color Library (Import, Export, Measure)
- New Job Templates features (Import, Export, Duplicate)

Improvements

- Revisited JCT and Color Library
- Revisited PDF Reports layout

Web Interface

- Revisited UI
- New Press Inspector

Warning

Warning for APV/X users updating to macOS Sierra (10.12.x)
Please note that APV/X v6 needs first to be installed on OS X 10.9.x, 10.10.x or 10.11.x before updating your OS to macOS Sierra (10.12.x)

Licenses

APV/X 6 does not work with APV 5.x licenses (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
APV/X 6 can be activated by dongles with a valid URTS (Update and Remote Technical Support Program).
HiFi features permanent activation requires a physical dongle.

As for all Alwan software, APV/X 6 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

Upgrading from APV/X 5 to APV/X 6 does not require any specific action.
If you are using APV/X 2.6.4 or sooner, please upgrade first to APV/X 2.6.5 before installing version 6.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 6:
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- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 64-bit Operating System (Microsoft® Windows® 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.9.x, 10.10.x, 10.11.x or 10.12.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 8 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 16 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

What's new in APV/X 5.3.2 rev.4989 (since 5.3.1 rev. 4912)

New Features

- IntelliTrax X-Rite Auto Scanning System is now supported.
- Color bar «Flop» option allows measurement in forward and reverse directions

Improvements

- Updated Safenet dongle driver fixes incompatibility issue with EFI 6.2 dongles
- Improved display of large control strips in measurement mode
- Minor bug fixes

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 5:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.

- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

What's new in APV/X 5.3.1 rev.4912 (since 5.3.0 rev. 4796)

New Features

- New spot color density : densities are computed at minimum reflectance wavelength
- APV accepts measurement files from a process that is a subset of the JCT process. For example, a KC or KCM print can be assessed now using a CMYK JCT.

Improvements

- Improved consistency between Web Interface and PDF Reports
- Fixes ink keys numbering for InkZone display
- Improved Web Interface InkZone display delay
- New Predefined JCT (Fogra 51 and 52):
  - Print - Coated Paper - PSO Coated v3 (FOGRA51) Aims - ISO 12647-2:2013 Tolerances (JCT)
  - Print - Uncoated Paper - PSO Uncoated v3 (FOGRA52) Aims - ISO 12647-2:2013 Tolerances (JCT)

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 5:
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- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, 10 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:

- Requires Mac OS X (10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen résolution.

What's new in APV/X 5.3.0 rev.4813 (since 5.2.0 rev.4500)

New Features

• Dynamic Spot (in Job Color Ticket)
- JCT can include defined spot inks or dynamic spot inks. Dynamic spot inks can change between jobs while using the same JCT, this is particularly useful for offset printing
- Spot ink aims can be extracted from Alwan Color Library or from Measurement file. The later is particularly useful for ITX users having their spot ink libraries defined. No need to enter, import or sync ITX library with APS library.

• Truncated color bar support
APS/X recognizes and accepts measurements from:
- a partially measured color bar, this is particularly useful when measuring part of a color bar with a handheld instrument
- a control bar which is composed of n repetitions of a control strip, n does not need to be an integer

• Ink key définition
- Press definition in the Print Device Manager allows you to define ink key number and width£
- Measurement window allows you to offset a number of ink keys that are not relevant for inking due to smaller paper or image size

• Density Information
- Measured and Aim densities are displayed in the Sheet PDF report and in the Web Interface / Solid Colors view
- Arrow indication is displayed for master density adjustment (increase, decrease, OK)

• X-rite iSis 2 support

• X-Rite MIF file format Support

Improvement

• SCCA (Substrate Corrected Color Aims) can be applied on Process Color, Spot Color and Device Color Build

• Minor User Interface Improvements and Fixes

• Spot Color Linear ΔE calculation now matches SCHMO method (ISO 20654)

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 5:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.7.x, 10.8.x, 10.9.x, 10.10.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen résolution.

What's new in APV/X 5.2.0 rev.4500 (since 5.1.0 rev.4193)

New Features

- G7® ColorSpace System Qualification and Production Verification assessments.
- ColorPort XML and i1profiler 6.1.0 TXF file formats for control strip definition are supported.
- PressSign XML measurement files are supported.
- eXact BlueTooth for Mac OS X and Windows OS is supported.
- Lock Settings : A password is now required when switching from Operator Mode to Admin Mode.
- Check for Updates:
- Automatic or manual check for APV/X updates.
Download and install the latest version available within your dongle URTS period.
- APV/X can use localized language pack: "Admin -> Import Localization File…" enables you to select *.qm translation package file

Improvement

- Connect/Disconnect Button allows to easily connect or disconnect your measuring instrument.
- Device ColorBuild assessment is possible with CMYK + Spot License.

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 5:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.

- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.7.x, 10.8.x, 10.9.x, 10.10.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen résolution.

What's new in APV/X 5.1.0 rev.4193 (since 5.0.0 rev.3867)

New Features

• New InkZone feature: available when APV is activated using a time limited demo code or using a dongle with InkZone option.
If APV/X "CMYK + Spot" is activated with a permanent license code, InkZone can be activated using a specific InkZone code.
• New X-rite eXact Support for Mac OS X.
• New APV/X "CMYK + Spot" : Since APV 5.1 spot colors can be used in JCT, if they are defined in the Spot Color Print Sequence.
In previous versions only C M Y K colors were available without HiFi option.
• New "Admin -> Launch Alwan LicenseManager X" functionality.
• New "Help -> Check for Updates..." functionality.
• New Device Color Build / Enable the export of Device Color Build (DCB) list, loadable in ACH and APS.

Improvement

• Improved CGATS file format import to support ColorPicker files.
• Clarification of alpha / beta / public release identification: release life cycle is now displayed in "About Alwan Print Standardizer..." window and in the installer name.
• Accepts files which do not contain halftone patches for Spot Colors (halftones are mandatory for Process Colors)
• Accepts files which do not contain paper patch when using a JCT which does not contain Process Control
• Improved Report-> Job display in Web Interface during Live measurement.
• HiFi Support for Job Reports in Web Interface.

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK + Spot, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
Upgrading from APV/X 2.6.5 (build 2133) to APV/X 5:
- APV 2.6.5 "Settings" will be restored and converted to APV/X 5 "Job Color Ticket" (JCT).
- APV 2.6.5 "Settings/Information" Metadata will be restored and converted to APV/X 5 "Job Template/Reporting" Metadata.

System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen resolution.

Mac OS X:
- Requires Mac OS X (10.7.x, 10.8.x, 10.9.x, 10.10.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1600x900 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1920x1080 screen résolution.

What's new in APV/X 5.0.0 rev.3867 (since 2.6.5 rev.2133)

New Features

- New User Interface
    - New Design
    - New Operator / Admin modes
- New Color Library
    - Master Color and Device Color definition
    - Supported file formats
        - Import: CxF2 (ITX software) / ISO 17972 CxF/X-3 / CGATS / SVF / ISO 28178 XML / Digital Information XML / CSV (AVT/GMI)
        - Export: ISO 17972 CxF/X-3
- Job Color Ticket (JCT)
    - Defines Color Expectations and Quality-Control criteria: Target aims, tolerances and default control strip.
    - 5 pre-configured standard process control scenarios included (.jct files)
- Job Template
    - Defines Production Information: Printer and Print Device
    - Includes JCT
- New process and spot control assessment
    - Includes all APV 2.6.5 ISO and G7 assessments plus:
        - ISO 12647-6:2012
        - ISO 15339-1.2
        - ISO 12647-2:2013
        - ISO 12647-3:2013
        - Custom assessment
- Reporting
    - Directly Preview, Save and/or Print:
        - Sheet and Production reports
        - Customized labels
- HiFi/Multicolor support (Hi-Fi option required)
    - CMYK+Spot control strip
    - Hi-Fi/Multicolor control strip
    - Spot and Device build color libraries
- New Instruments support
    - Techkon SpectroDens Scan mode support - Windows OS Only
    - X-Rite eXact Scan mode support - Windows OS Only
- New Measurement File Export Options
    - File Formats : CGATS, XML, SVF
    - Automated FTP Export

Licenses

APV/X 5+ does not work with APV version 2.x license (time limited or permanent license code).
Time-limited demo license activates all APV/X options (CMYK, HiFi…).
HiFi features permanent activation require a physical dongle.
As for all Alwan software, APV/X 5 cannot be run using time-limited demo codes for more than 3 months starting from the first software launch date.

Upgrades

If you are using APV/X version 2.6.4 or sooner, please upgrade first to APV/X version 2.6.5 before installing version 5.x
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System Requirements

Windows:
- Windows 32-bit or 64-bit Operating System (Microsoft® Windows® Vista , 7 Pro, 8 Pro, Server 2008 R2, Server 2012).
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1366x768 screen resolution.
- Recommended Hardware : Quad-Core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1440x900 screen resolution.

Mac OS X:
- Requires Mac OS X (10.6.x , 10.7.x, 10.8.x, 10.9.x) with Intel processors only.
- Standard or administrator user account.
- Minimum Hardware : Dual Core processor / 2 GB of RAM / 200 GB available hard disc space / 1366x768 screen resolution.
- Recommended Hardware : Quad-core Intel Core i5/i7 processor / 8 GB of RAM / 400 GB available Solid State Drive / 1440x900 screen résolution.

What's new in APV/X 2.6.5 rev.2133 (since 2.6.0rev.1165)

New Features

• New XRite eXact Support.
　　XRite eXact can be used directly with APV/X
• New "G7® Master Printer Qualification" assessment
　　Under Assessment Tab you can now choose "G7® Master Printer Qualification"
• New G7® Grayscale (System Certification) and G7® Targeted (System Certification) assessments as defined by IDEAlliance "G7® Pass/Fail Requirements" document. (APV/X 2.6.5 rev.2133).
• New G7® Grayscale (Production Verification) and G7® Targeted (Production Verification) assessments are designed for process control, requiring less patches than System Certification assessments. (APV/X 2.6.5 rev.2133)
• Improvements
　　"G7 Gray Balance (Legacy)" assessment has been removed and is now replaced by "G7®　Grayscale (Production Verification)" assessment (APV/X 2.6.5 rev.2133)
　　Update i1 Pro XRite SDK to v4.1.1 on Windows and v4.1.2 on OSX (APV/X 2.6.5 rev.2133)

Licenses

APVX 2.6 works with APVX 2.5 licenses.

What's new in APV/X 2.6.0 rev.1165 (since 2.5.2 rev.947)

New Features

• New XRite i1 Pro 2 Support
> i1 Pro 2 is now driven in native mode (less error readings, LED display...)

• New XRGA Support
> XRGA measurements are used for the following instruments:
> > X-Rite IntelliTrax, EyeOne Pro, EyeOne Pro2 and iSis

• New "G7® Gray Scale (Screen Print)" and "G7® Gray Scale (Flexo Print) assessment"
> Under Assessment Tab you can now choose "G7 Gray Scale (Screen Print)" and "G7 Gray Scale (Flexo Print)" assessment

• Fix Minor User Interface Issues

• Fix Spectral to Densities calculation issue with i1 pro 2 measurement

Licenses

APVX 2.6 works with APVX 2.5 licenses

What's new in APV/X 2.5.2 rev.947 (since 2.5.1 rev.688)

New Features

- New Techkon SpectroDens Support
- SpectroDens can be used directly with APV/X (Windows only)
- New "G7® Gray Balance (legacy)" assessment
  > Under Assessment Tab you can choose "G7® Gray Balance (legacy) assessment "
  > Resulting Pass/Fail conformance assessment uses only average wΔCh* and max wΔCh*   criteria
  > This legacy assessment has been maintained for control strips that do not include a 300%CMY patch
  > This assessment is not compliant with the latest G7® Gray scale and ANSI/CGATS/TR015 specifications
- Fix XRite measurement issues regarding C100 M100 Y100 and grayFinder patches with ITX
- Patch by patch measurement support with SpectroJet Techkon
- Improved APV/X svf export for APSX to avoid "Unused" patches
- Default settings update to match new G7 assessments

Licenses

APVX 2.5 needs new licenses. APV 2.3 (and previous versions) license code will not activate APV 2.5
New time-limited license codes available

Important Note for Techkon SpectroJet users:

Please upgrade to Techkon Service v1.5.1.5 (available at: http://software.techkon.com/TDService.1.5.1.5.exe)

What's new in APV 2.5.1 rev.688 (since 2.3.0)

New Features

- New Supported Instruments
    - X-Rite i1 iSis
    - X-Rite IntelliTrax (PC only)
- Import of custom control strips with CBL format (from X-Rite IntelliTrax software)
- Substrate Corrected Color Aims (SCCA)
- Support of measurement files containing one or more spot colors
- New Imported File formats
    - X-Rite CxF3 file format (Color Exchange Format 3.0)
- New Assessment Methods
    - G7® Targeted assessment
- New G7® Targeted reports containing NPDC, wΔL and F criteria
- New default Alwan_M_i1P_4C_MT_1R_246.5_G7_v2.0 control strip
- New default P2P25 chart
- Imported control strip can be deleted now
- Minor bug and UI fixes

Licenses

APVX 2.5 needs new licenses. APV 2.3 (and previous versions) license code will not activate APV 2.5
New time-limited license codes available

Important Note for Techkon SpectroJet users:

Please upgrade to Techkon Service v1.5.1.5 (available at: http://software.techkon.com/TDService.1.5.1.5.exe)

What's new in APV 2.3.0 rev.49 (since 2.1.0)

New Features

- New Imported File formats
- Digital Information InkZone Move XML files
- QuadTech (ISO28178) XML files
- New Assessment Methods
  - G7® Gray Balance + CMYK Solids assessment
  - ISO 12647-2 + G7® Gray Balance (informative) assessment
  - ISO 12647-3 + G7® Gray Balance (informative) assessment
- Measurement of control strips can be done in both directions
- Instrument "Calibrate" button is available in the main window

Licenses

APV 2.3 works with APV 2.1 licenses

What's new in APV 2.1.0 (since 2.0.3)

New Features

- Mid-Tone Spread value computation adapted to better match ISO12647-1 definition
- G7 gray assessment is now based on:
  - (C25/M19/Y19) - (C50/M40/Y40 - (C75/M66/Y66) triplets only
  - New ΔF* tolerance as specified in the latest G7 specification (rev15_08012011)
- Only one instance of APV can be launched under Windows
- Minor bug and UI fixes

Licenses

APV 2.1 works with APV 2.0 licenses

What's new in APV 2.0.3 (since 1.2.0)

New Features

- New Supported Instruments
    - Techkon SpectroJet (PC only)
    - X-Rite SpectroEye (Mac/PC)
- Multiple measurements averaging
- Import of custom control strips with CGATS format (X-Rite, etc.) and STP format (Techkon)
- Import of SVF files. Scan Values Files are produced by X-Rite Intellitrax, X-Rite EasyTrax, Komori PDCS1, Komori PDCS2 instruments software
- Import of Alwan PRINT Standardizer files that are produced with Techkon Expresso
- G7® Gray Balance Analysis method
- Revisited User Interface
- Revisited PDF Reports
- Improved CGATS color measurement file and stp file support
- Drag and drop support for Measurement File import
- Improved consistency between APV and APS for TVI calculation. When APS and APV are combined together, both software will use the same calculation method depending on chosen Target of APV settings (Spectral density + Murray-Davis for ISO targets, or XYZ formulae for other targets)
- More control strips available
- Improved Maximum ΔE calculation in case of Multiple Measurements: now APV computes the average ΔE of each patch and compare this average to the tolerance value. With previous versions, each patch of each measurement was compared to the tolerance value independently. (APV 2.0.1)
- Fix tolerance value (4% instead of 3%) for TVI at 75% in ISO 12647-3 standard (APV 2.0.3)
- Minor bug fixes

Licenses

APV 2.x needs new v2 licenses. APV 1.x license code will not activate APV 2.x

What's new in APV 1.2.0 (since 1.1.0)

New Features

- Support of CMYK ICC profiles with XYZ PCS
- New control strip support: Alwan_M_i1P_4C_MT_1R_246.7_G7_v1
- New control strip support: APV_ECI_GrayConM_i1_FOGRA39_v2
- Minor bug fixes in case of corrupted settings

What's new in APV 1.1.0 (since 1.0.0)

New Features

•APV 1.1.0 can be synchronized with APS 2.1.0 or later. This can be done thanks to "Export Measurements for PRINT Standardizer" option available in APV Preferences

• ΔH computation inversion fixed (ΔH = reference - measure instead of ΔH = measure - reference)

• Minor bug fixes