Kodak

Trendsetter 400/800/NEWS GMCE CR 3.0

Readme/Release Notes

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Revision History

Revision	Date	Author	Comments
A	18 Oct 2007	Andrew So	Initial Release

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1. IMPORTANT INFORMATION

Kodak® Trendsetter® 400/800/NEWS™ GMCE Controlled Release (CR) 3.0 is a major release. It includes support for hardware changes as well as improvements and bug fixes.

You must familiarize yourself with this information before installing this controlled release.

WARNING: A service dongle is mandatory for this CR. You cannot access Kodak Service Shell without a service dongle or a service license.

1.1 Providing Feedback to Product Development

To suggest any changes to the format and quantity/quality of material in this document, or for corrections to content, send an e-mail to andrew.so@kodak.com or frank.vaneerdt@kodak.com.

1.2 Requirements Before Proceeding

Before proceeding with this install, ensure that you have the following items:

- Customer feature dongle (navy blue)
- Customer device license (**.txt** file)
- Service dongle (teal) (Service Shell 3.x *requires* a service license in order to operate; this replaces the password mechanism.)
- CR CD (all components plus the CR Installer software)
- Site Installer CD (for installing a new device from the factory only)
- Minimum 2 GB of RAM on the Kodak Print Console workstation
- RS-232 cable may be required to update HCS12 firmware on GMCE.
- USB cable may be required for “back door” service access to GMCE.

1.3 Upgrading to CR 3.0

It is *mandatory* for this controlled release that you update *all components* to the CR 3.0 level due to the high level of complexity, the new interactions among Print Console, firmware, Service Shell, and GMCE electronics. There is (as always) no guarantee that a partial install of this controlled release will be fully functional. A partial install of the controlled release constitutes a high-risk action and may result in future service visits.

1.4 Controlled Release Installer

CR Installer software is now used to install all components. This readme/release notes document appears when the installer starts.

1.5 Workflow Connectivity Information

This section provides important notes about workflow connectivity with Trendsetter GMCE CR 3.0.

1.5.1 Print Console TIFF Downloader

The Kodak Prinergy® Evo™ TIFF Downloader replaces the Print Console TIFF Downloader. Prinergy Evo includes most of the TIFF Downloader functionality while Print Console retains the plate and media setup information.

1.5.2 Brisque

The Kodak Brisque® Direct connection to the GMCE platform is no longer supported. A Brisque customer must switch to a Brisque Screen2Go (S2G) configuration, and output the 1-bit TIFF files via Prinergy Evo TIFF Downloader.

1.5.3 Prinergy

Customers using Prinergy 1.x and 2.x software *must* upgrade to Prinergy 3.x or 4.x.

1.5.4 Prinergy Evo

Customers using Prinergy Evo 1.x and 2.x software *must* upgrade to Prinergy Evo 3.x or 4.x.

1.5.5 Allegro Console

Kodak Allegro™ Console is no longer supported.

1.5.6 Kodak NewsManager

CR3.0 supports connectivity with Kodak NewsManager™ ME 1.1.3 software. Contact the NewsManager team for the latest status.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 Component Information

Component	Version
Print Console	4.14
Service Shell	3.6
Creo feature licensing	2.1.5
Device license layout file	2.3
Trendsetter license definition file	2.10
Trendsetter NEWS license definition file	1.9
DCAPI server	2.0.10
GMCE main firmware installer	1.48
GMCE core firmware installer	1.31
SCON firmware installer	1.34
Thermal head 1.x firmware	2.01
Thermal head 2.x firmware	1.09c
Version configuration file	TS-400-800-III_GMCE-NEWS.INI

CR software kit: 634-00514A (CD with jewel case)
CR software CD: 651-00823A (CD only)

2.2 Device Qualification

The following devices have been qualified with this controlled release:

- Trendsetter 400/800 III
- Trendsetter 400/800 III Autoloader
- Trendsetter 400/800 III ContinuousLoad
- Trendsetter 400/800 UHR
- Trendsetter NX Narrow/Mid
- Trendsetter NEWS 50/70/100/150/200 (GMCE)
- Trendsetter NEWS 50C/70C/100C/200C (GMCE)
- Trendsetter NEWS SA (GMCE)

The following heads have been qualified with this controlled release:

- Thermal head 2.x
- Thermal head 1.x

2.3 Limitations

- Older Dell® workstations may have inadequate performance.
- Allegro Console is not qualified.
- Brisque Direct connectivity with Print Console 4.x is not qualified.

2.4 Dependencies

- Workstations must have Microsoft® Windows® 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows XP Professional, or Microsoft Windows Server® 2003 operating systems.
- Adequate performance achieved with the Dell PowerEdge® 2800/2900 or PowerEdge 800/830 server, or Dell Optiplex™ GX 745 (2 GB RAM or greater) workstation.
- Internet Explorer® 6 or later browser

2.5 Workflow Compatibility

Workflow items are not part of the release, but have been tested for compatibility. The controlled release has been tested with the latest released version of workflow and it is recommended that customers be brought to this level.

- Prinergy 4.0.2.1 software
- Prinergy Evo 4.0.6.4 software
- TIFF Connectivity via Prinergy Evo 4.0.6.4 (Evo TIFF Downloader)

3. INSTALLATION/UPGRADING

3.1 Install/Upgrade Procedure

Total time—2.5 hours (minimum)

Task	Time
Dependencies Review the Dependencies before beginning.	
Patches Check the **Patches** folder and apply any patches as documented in the readme files.	
Run CR Installer Run **CRInstaller.exe** and follow the prompts. CR Installer installs the following components: • Service Host • Creo bootp server • Creo feature licensing • License definition files • Configure service host • GMCE core firmware • DCAPI server • Service Shell client • GMCE main firmware • Head firmware • Satellite board firmware • Print Console and support tools After installing these components, CR Installer verifies the components' versions.	1.0 hour
Run Site Installer CD (for new device installation only) A Site Installer CD is shipped with the device. The installer copies the NVS parameters to the device workstation.	0.25 hour
Workflow Prinergy: Update as necessary for compatibility. Prinergy Evo: Update as necessary for compatibility.	
Version Check After you upgrade all firmware and software, use the **Version Checker** in Service Shell to evaluate all system versions. Ensure that the Version Checker reports no errors.	0.25 hour
Functionality Check Check that the device and all software are functional, including loading and unloading of small, medium, and large media.	1.0 hour

4. NEW FEATURES

4.1 Support for Hardware Changes

CR 3.0 introduces support for the hardware changes in Trendsetter production. These changes include:

- Universal drum for Trendsetter 400/800 III and Trendsetter NEWS (ECO CA13344)
- Reliability improvements for the autoloader load table (ECO CA13213, also available as an FCO kit for existing devices)

CR 3.0 is also backward compatible with all GMCE Trendsetters.

4.2 Improved Support for 2400 dpi Stitching on NEWS 200C

CR3.0 improves the support for 2400-dpi stitching on NEWS 200C devices. This enables the device to image one large panoramic image at 2400 dpi with two thermal heads.

4.3 Component Offline Feature in Print Console

Automation components such as the picker and the unload table can be taken “offline” in Print Console. You can continue to operate the device while waiting for a service representative to fix a problem within an automation component.

4.4 New Service Tools

Service Shell 3.6 introduces two new service tools—GC Tool and File Collector. Trendsetter support for the Device Change Tracker tool is also included in CR 3.0.

4.4.1 GC Tool

The geometric correction (GC) tool is used to match two devices or two pin sets (for some devices) so that media imaged on either device (or pin set) will have the same registration. Based on user-entered visual data points taken from the master and secondary plots, the GC Tool performs the calculation of GC adjustments required. This tool will then modify the GC settings on the device.

4.4.2 File Collector

File Collector replaces the Bug Zipper utility. File Collector gathers log files and registry paths from a Kodak output device into a package that it sends to a Kodak FTP server. This information is very useful for the Response Center and Product Development for troubleshooting problems.

4.4.3 Device Change Tracker

Device Change Tracker records information about all events (changes) to a device so that customers, customer service representatives, the Response Center, and Product Development can track the changes made to a device over time. This includes:

- **Event Type**–Categories include initial installation, engineering change orders (ECO), Field change orders (FCO), preventative maintenance (PM), controlled releases (CR), deviation permits (DP), and system component changes.
- **Number**–A unique number assigned to identify the change.
- **Description**–The purpose of the change and other important information.
- **Performed by**–The name of the individual who performed the change.
- **Date Performed**–The date on which the change was performed.

If the product supports FCO/ECO tracking:

- **Subsystem**–The related subsystem for an FCO/ECO event.
- **100 Label**–The related 100 label for the FCO/ECO event.
- **Removed By**–The name of the person who removed an FCO/ECO event.

Each change, such as an FCO, is tracked and maintained in an events file on the device workstation. Before a device is delivered, Production records all ECOs and FCOs that are applicable for that device. The site installer CD installs the both the device NVS and device change tracker events file. The events file contains a serial number event. If there is mismatch between the serial number in the events file and the device serial number, a warning appears. You can use the events file to see what FCO/ECO changes have been applied to the device with Device Change Tracker.

5. FIXES AND SMALL FEATURES

Fixes and smaller features are documented in component release notes, which are both available in the **Release Notes** folder and on the component install folder on the controlled release CD.