Kodak

Trendsetter 400/800/NEWS GMCE CR 2.2

Readme/Release Notes

Document Number
739-00342C-EN Rev A

27 Feb 2007

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Revision History

Revision	Date	Author	Comments
A	January 8, 2007	Andrew So	Release version

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1. IMPORTANT INFORMATION

Kodak® Trendsetter® 400/800/NEWS™ GMCE Controlled Release (CR) 2.2 is an update to GMCE CR 2.1. It introduces support for Trendsetter NEWS 200 devices and support for TMCE to GMCE upgrades on Trendsetter NEWS devices. 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 andrew.so@kodak.com or frank.vaneerdt@kodak.com.

1.2 GMCE Support

GMCE is the new electronics board in the Trendsetter devices. CR 2.0 supports this board via a point-to-point Gigabit Ethernet connection, which requires an additional Gigabit Ethernet card in the workstation. Workstations shipped from the factory have the card preinstalled. Workstations upgraded to GMCE connectivity in the field must have an additional network card installed, as described in the document *GMCE Intel Pro/1000 MT Server Adapter Installation, Configuration, and Testing* (719-00735A).

1.3 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)
- Site Installer CD (for installing only a new device from the factory)
- Minimum 2 GB 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.

1.4 Upgrading to CR 2.2

It is ***mandatory*** for this controlled release that you update *all components* to the CR 2.2 level due to the high level of complexity, the new interactions between Print Console, firmware, and Service Shell, and the introduction of 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.

1.5 Controlled Release Installer

A Controlled Release Installer (CR Installer) is now used to install all components. This Readme/Release Notes document appears when the installer starts. An associated document that explains how to use the CR Installer is located in the **Release Notes** folder on the CR CD.

1.6 Workflow Connectivity Information

This section provides important notes about workflow connectivity with Trendsetter GMCE CR 2.2.

1.6.1 Print Console TIFF Downloader

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

1.6.2 Brisque

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

1.6.3 Prinergy

Customers running Prinergy 1.x and 2.x software ***must*** upgrade to Prinergy 3.x (latest released version).

1.6.4 Allegro Console

Kodak Allegro™ Console is no longer supported.

1.6.5 Kodak NewsManager

CR2.2 will support connectivity with Kodak NewsManager™ 1.1.2 software. Contact the NewsManager team for the latest status.

2. CONTROLLED RELEASE PACKAGE INFORMATION

2.1 Component Information

Component	Version
Print Console	4.8.1.25
Service Shell	3.2.11
Creo Feature Licensing	2.1.5
Device License Layout File	2.3
Trendsetter License Definition File	2.7
Newspaper License Definition File	1.6
DCAPI Server	2.0.6.28
GMCE Main Firmware Installer	1.46.21
GMCE Core Firmware Installer	1.30.01
SCON Firmware Installer	1.26.00
Thermal head 1.x firmware	2.00
Thermal head 2.x firmware	1.07b
Version config file	TS-400-800-III_GMCE-NEWS.INI

Controlled release software kit: 634-000514A
Controlled release software CD: 651-00656C

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 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 620 (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 3.1.0.4 software
- Prinergy Evo 3.2.6.0 software
- TIFF Connectivity via Prinergy Evo 3.2.6.0 (Evo TIFF Downloader)

3. INSTALLATION/UPGRADING

3.1 Install/Upgrade Procedure

Total time—3 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.	

Task	Time
Run CRInstaller Run **CRInstaller.exe** and follow the prompts. CR installer will install 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 Finally, it will verify 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 will copy the NVS parameters to the device workstation. For details, see section 4.2 of this document.	0.25 hour
Install Feature Dongle and Device License A customer feature dongle (navy blue), and a device license are required for running CR 2.0. After you plug the dongle into the computer, use the Creo License Manager to install the device license. Perform one of the following actions: • Select **File/Open** and browse to the **.txt** license file • Click **Paste New License** and paste the device license (full xml string) into the dialog box.	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. FEATURES AND FIXES

4.1 Support for Trendsetter NEWS 200 devices

CR 2.2 adds support for connectivity with the Trendsetter NEWS 200 devices. The connectivity to the second GMCE board is achieved by adding a second gigabit network card on the workstation. Also, a fix in the head firmware installer ensures that the head firmware is also installed on the slave head.

4.2 Migration Support for TS NEWS from TMCE to GMCE

A chargeable option is available to upgrade TMCE-based Trendsetter NEWS devices to the GMCE platform so that they will have the same workflow configuration as the new GMCE-based devices.

A firmware conversion tool is available to convert TMCE-based NVS parameters to GMCE format.

A migration tool in the Print Console 4.8 software moves media-size settings from Print Console 3.x to Print Console 4, and migrates print setup and hot-folder settings from Print Console 3.x to Prinergy Evo 3.2.

You can find details about the upgrade in the *Trendsetter NEWS TMCE to GMCE Upgrade Procedure* (719-00708A).

4.3 Print Console 4.8.1

Note: If you have used a previous version of Print Console (1.x, 2.x, or 3.x), you will notice some significant differences in Print Console functionality and appearance. Take some time to familiarize yourself with these changes before doing an installation at a customer site.

Japanese online help added

In addition to English, French, Italian, German, Spanish, Dutch, Polish, Swedish and Simplified Chinese, online help is available in Japanese in this version of Print Console.

Print Console lockup problem is fixed

The problem where Print Console occasionally became stuck in a working state until the software was restarted has been fixed.

4.4 CTP Site Installer CD

Note: The Site Installer CD *must* be used when installing a new device shipped from production. You do *not* run the Site Install Wizard as part of a typical CR upgrade. In fact, it is available only on a separate device-specific CD that is shipped with the device. The Site Install Wizard is not on the controlled release CD itself.

With the GMCE architecture, NVS parameters are not permanently stored on the GMCE. When production ships a GMCE device, the GMCE NVS parameters are shipped on a separate, device-specific Site Installer CD. The CD contains a simple installer that will copy the NVS parameters to the device workstation and will also set up a secondary backup location for the NVS parameters.

To run the Site Installer for a new device installation, perform the following steps:

1. Ensure that CR 2.2 is installed on the device workstation.
2. Ensure that the serial number (marked on the CD) matches the device serial number.

3. Insert the Site Installer CD into the CD-ROM drive on the computer. The Site Installer CD should run automatically. (If it does not, run **Setup.exe** from the CD root drive.)



4. Follow the prompts to complete the installation. You will be prompted to enter a secondary backup location—enter an accessible network location. The system will automatically back up the GMCE NVS parameters to this location to guard against accidental loss of the NVS parameters.

4.5 Service Tools Functionality

Major new features of Service Shell 3.2:

- Service licensing (via dongle or license) replaces the password mechanism.
- The **Backup and Restore** tool allows you to back up all system settings (including NVS, Print Console and Service Shell settings), and restore previous settings.
- **Test Plot** has a simplified user interface and significantly improved functionality, including the ability to add labels to the plot. (For example, each test strip on the plate can be labeled with the settings for that strip.)
- GMCE is supported.
- **Host configuration wizard** is available for both TMCE and GMCE.

For detailed information about the changes in Service Shell functionality, and bug fixes, see the Service Shell release notes.

5. MINOR FEATURES AND FIXES

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