

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 221101 Summary

**Purpose of Release:** General CPE release which supports all current i4x50 scanners and a changed hardware configuration which will be implemented in Manufacturing later in 2023.

**Date:** May 23, 2023

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 05.01

**Embedded Firmware subsystem versions**

Name	Version-Hardware V1	Version- Hardware V2
Package	221101	221101
IPB	221101	221101
SCB	221101	221101
PRC	221101	221101
DSP	081000	0810000
FPGA	1D0000	360000
SM	0.5.0 (appears as 000021)	0.5.0 (appears as 000021)
LPCCA	170901	170901
IDP	001200	001200
UDDS	160602	160602
ELEV	020300	220402

**New Features for Firmware 221101:**

1. Support circuit board changes which were changed due to part obsolesces.
  - a. Service must change a set of board together, contact Kodak Alaris service for the details

**Improvements from FW 211001:**

1. none

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 211001 Summary

**Purpose of Release:** General CPE release which supports all current i4x50 scanners and new scanners which increase the PPM for the i4650 and i4850.

**Date:** May 11, 2022

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 05.01

**Embedded Firmware subsystem versions**

Name	Version-Hardware V1	Version- Hardware V2
Package	211001	211001
IPB	211001	211001
SCB	211001	211001
PRC	211101	211101
DSP	081000	081000
FPGA	34.0.0	36.00.00
SM	0.5.0 (appears as 000021)	0.5.0 (appears as 000021)
LPCCA	170901	170901
IDP	001200	001200
UDDS	160602	160602
ELEV	020300	210201

**New Features for Firmware 210201:**

1. PPM increase
  - a. i4650 130PPM to 145PPM
  - b. i4850 150PPM to 160PPM
2. Add OCP control to Omit Metal Detection while scanning

**Improvements from FW 190401:**

1. DIAS-2543: Scanning Patch Code 10-15 results in "Invalid Patch Code" when Toggle Patch is enabled

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 210401 Summary

**Purpose of Release:** A component supply chain issue has resulted in the need to remove the processor component that performs the Intelligent Document Protection (IDP) functionality. This package file will work with any production i4x50 hardware configuration.

**Date:** June 5,2021

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 04.02.00

**Embedded Firmware subsystem versions**

Name	Version
Package	210401
IPB	210401
SCB	210401
PRC	210401
DSP	081000
FPGA	34.0.0
SM	0.5.0 (appears as 000021)
LPCCA	170901
IDP	001200
UDDS	160602
ELEV	020300

**New Features from Firmware 190401:**

1. A supply chain has results in the need to remove the processor from the boards which has the IDP functionality. The firmware 210401 automatically loads the correct configuration based on the hardware of the machine. The firmware will work with all hardware configuration. If the hardware will not support the IDP functionality then IDP will not be available through the driver interface.
  - a. When service part CP5P0260 is installed in a machine, firmware 210401 must be installed.
  - b. Serial numbers that are built without the IDP functional and require firmware 210401 to be installed.
    - i) 4250 54878433
    - ii) 4650 54919587
    - iii) 4850 54960559

**Improvements from FW 190401:**

1. none

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 190401 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** May 10, 2019

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 02.00.00

**Embedded Firmware subsystem versions**

Name	Version
Package	190401
IPB	190401
SCB	190401
PRC	190401
DSP	072100
FPGA	1d.0.0
SM	0.5.0
LPCCA	170901
IDP	001200
UDDS	160602
ELEV	020300

**New Features from Firmware 180501:**

1. none

**Improvements from FW 180501:**

1. DIAS-1873 Elevator board FW download issue
2. DIAS-1858 not set serial number on Elevator bd
3. DIAS-1835 Mismatched serial number

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 180501 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** May 9, 2018

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 01.11.00

**Embeeded Firmware subsystem versions**

<b>Name</b>	<b>Versions</b>
Package:	180501
IPC:	180501
SMC:	180501
PRC:	180501
FONTS:	000100
FPGAH:	1D0000
DSP:	071300
SM:	000500
LPCCA:	170901
LPCCB:	010000
AUDIO:	000200
IDP:	001200
UDDS:	160602
ELEV:	020300

**New Features from Firmware 170901:**

1. DIAS-1502 – Add Firmware alteration to have document counter increment by 2 for every document

**Improvements from FW 170901:**

1. DIAS-1453 – Auto Orientation randomly does not rotate documents correctly.

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 17.09.01 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** September 14, 2017

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 01.09.00

**Embeeded Firmware subsystem versions**

<b>Name</b>	<b>Versions</b>
IPC:	170901
SMC:	170901
PRC:	170901
FONTS:	000100
FPGAH:	1D0000
DSP:	060100
SM:	000500
LPCCA:	170901
LPCCB:	010000
AUDIO:	000200
IDP:	001200
UDDS:	160602
ELEV:	020300

**New Features from Firmware 17.07.01:**

1. NONE

**Improvements from FW 17.07.01:**

1. [DIAS-1308](#) – Addresses, false metal detection jam errors when the motors start or stop.

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 17.07.01 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** August 4, 2017

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 01.07.01

**Embeeded Firmware subsystem versions**

<b>Name</b>	<b>Versions</b>
IPC:	170701
SMC:	170701
PRC:	170701
FONTS:	000100
FPGAH:	1D0000
DSP:	060100
SM:	000500
LPCCA:	161101
LPCCB:	010000
AUDIO:	000200
IDP:	001200
UDDS:	160602
ELEV:	020300

**New Features from Firmware 17.01.03:**

1. DIAS-1089 - Add Photo segmentation in i4x50.
2. DIAS-910 - Add an alteration for changing how iThresholding works for high contrast Black and White documents

**Improvements from FW 17.01.03:**

1. DIAS-1000 – Auto Brightness for Color images has been changed so that colors are more consistent.
  - An orange strip is still orange and not red most of the time
2. DIAS-1203 - USB communication error happens with Smart Touch and pressing the play button on an attached flatbed to start the scan function.

## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 17.01.03 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** March 2, 2017

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 01.07.00

**New Features from Firmware 16.08.01:**

1. CR 5398 - Background Color Smoothing – Change to White added with both FW and Host Software are updated.
2. CR 5448 /DIAS-848 - Add Metal Staple Detection into all newly built i4x50 scanners and a service upgrade kit for previously purchased i4x50 scanners

**Improvements from FW 16.08.01:**

1. DIAS-562 - Dark green document and Auto Orientation is not working all the time
  - a. A custom alteration is available to address.
2. DIAS-548 – Dark green document will always be removed when "remove by document content is set"
  - a. A custom alteration is available to address.
3. DIAS-539 – Automatic Orientation with Default 90,180,270 was not working correctly with FW160801
4. DIAS-530 – Fixed an internal scanner firmware memory leak when Hole Fill is enabled.

**Notes:**

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## Kodak i4x50 Series Scanners Firmware Release Notes

### Firmware Version 16.08.01 and Host CD 01.04.00 Summary

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners

**Date:** August 24, 2016

#### **Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 01.04.00  
Required for SmartTouch functionality

#### **New Features from Firmware 16.08.01:**

**Note: New format for Firmware version number.**

**16 = Year**

**08 = Month**

**01 = Release number of that month**

1. CR 5082-Add Smart Touch support
2. CR 5004, 5094-Add "Orange" and "Orange and Red" color dropout
3. CR 4999-Add a new OCP screen in the setup screen list that would allow the interactive multifeed ignore during scanning feature to be configured to either automatically disable after being active for one sheet
4. CR 4861-Change OCP error code from "Check Front Imaging Guide and Illumination" to "Check Front Imaging Guide"
5. CR 5362 Add a fragile feed mode alteration to support 200 DPI output images at 600 DPI transport speed
6. CR 5379 Add Arabic language auto orientation
7. CR 5052 Add ability to disable OCP overrides via an alteration
8. CR 5377 Add alteration to allow for the changing Multifeed trail edge keep out zone
9. CR 4861 Change OCP error code from "Check Front Imaging Guide and Illumination" to "Check Front Imaging Guide"
10. CR 5397 Add Arabic OCP Translations

#### **Improvements from FW 16.007.02.:**

1. PR 25694 - Print counter reacted improperly with jams and the jam action set to pause
2. PR 25676 - Home sensor missing from service component screen
3. PR 25562 - Scanner does not "beep" when there is a Multifeed and Multifeed = continue is the selection
4. PR 25696 - Jams at S0 and not S1 cause the print counter to skip a number
5. PR 25386 - Imaging LEDS may stay on when pod is opened during Jam recovery
6. PR 25351 - If PC powered up after scanner may not, USB connection may not occur
7. PR 25198 - RED OCP LED not always coming on when a jam occurs
8. PR 26095 - Improvements to auto cropping when colored tabs are present on the documents
9. PR 26082, 26135, 24845 – Hole Fill improvements
10. PR 26444 - blank page removal by content improvements
11. PR 26826- When a Multifeed is detected on a color toggle patch when using Interactive Multifeed causes system hang

#### **Notes:**

- Color Toggle Patch and Dual Stream on an i4850 at 300 DPI may not run at 150 PPM. The choice of the image processing that is enabled can effect this PPM. Turning off Edge Fill or Bar Code Image Enhancement is recommended based on the customer needs. Turning off Hole Fill may also result in advantageous system performance.

## Kodak i4x50 Series Scanners Firmware Release Notes

### **Firmware Version 1.16.0 Summary**

**Purpose of Release:** Recommended update to all i4250, i4650 and i4850 scanners to correct an issue that may causes the scanner to intermittently not power on correctly.

**Date:** January 8<sup>th</sup>, 2016

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 1.2

**New Features from FW 1.14.0:**

1. N/A

**Improvements from FW 1.14.0:**

1. Corrects problem which causes the scanner to intermittently not power on correctly. Error 0002 or Error 1118.

**Notes:**

- This is only an update to the Firmware, no updates to the TWAIN driver or ISIS driver were done.

## Kodak i4x50 Series Scanners Firmware Release Notes

### **Firmware Version 1.14.0 Summary**

**Date:** September 10<sup>th</sup>, 2015

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 1.1

**New Features from FW 1.6.0:**

1. N/A

**Improvements from FW 1.6.0:**

1. Barcode enhancement
2. Ability to scan 360" long document

## Kodak i4x50 Series Scanners Firmware Release Notes

### **Firmware Version 1.6.0 Summary** (Release Notes Updated 2015-07-02)

**Purpose of Release:** This release was the initial shipping release firmware for the Kodak i4250, i4650 and i4850 scanners.

**Date:** June 16<sup>th</sup>, 2015

**Recommended Host Driver Version:**

i4x50 Driver Installation Disk Version: 1.1

**New Features from FW 1.0.0:**

1. N/A

**Improvements from FW 1.0.0:**

1. N/A

**Supported Models:**

Kodak i4250, Kodak i4650, Kodak i4850

**Notes:**

- All pre-production Kodak i4250, i4650 and i4850 scanners should be updated to this firmware version or greater.
- The Barcode Image Enhancement feature is not enabled in this release. This feature will be enabled in an upcoming release.
- Kodak Driver based barcode reading improvements for PDF417 barcodes are planned for an upcoming release.