DuraLink R3 External Release Notes

Document v4.1 These notes are intended for customer readership.

Software component revisions

Component	Version
Navigator HHR	13.0r0 2.0.2.8
Navigator Server	8.4.4.23
Navigator Client	8.4.4.23
XiWebServer	8.4.4.23
PageFilter Action	8.4.4.23
Render Action	8.4.4.23
XiPosition Action	8.4.4.8
Spooler	2.0.1.12
JobSubmissionLib.dll	10.0.1.2
GetDuraLinkHHRVersions.py	2.0
MakeCalibrationChart.py	2.13
RefreshCCTs.py	2.4
XiLib.py	1.6
Postflight	45.0
LogJam	8
DFEBackRest	5
XiSettings	1.0.1.1
Navigator Configurations Editor	2.29
Sentinel Driver Installer	7.5.7, 9.50.98.0
LDK Tool	2.0.0.0
LDK Util	2.0.0.0

This release also includes HDS Fine and HDS Medium Large/Medium/Small calibrated dithers, and AIS Mirror, Opal,

Pearl.

- Python 3.x must be installed with the following options checked: "Add Python to environment variables", "py launcher", "Associate files with Python (requires the py launcher)"

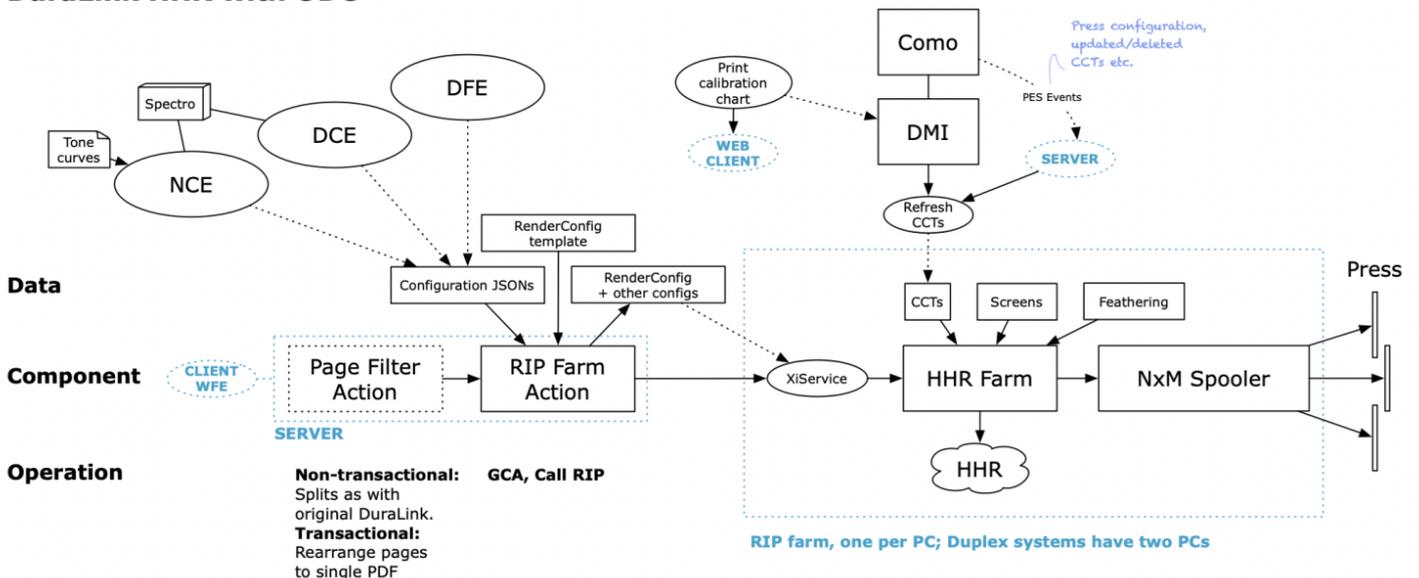# This release uses the following Memjet software revisions

Component	Version
DLSS	19A
JobSubmissionLib.dll	10.0.1.2
OdcLib	7.5.1.3
PES API	35-22
RIP API	2-1

DuraLink R3

DuraLink R3 is the first 'hardware reduction' release from Xitron, simplifying configuration and reducing the number of PCs.

Overview

Major differences from DuraLink R2

- The RIP has changed from Global Graphics' Harlequin MultiRIP (HMR) to Harlequin Host Renderer (HHR), using its Scalable RIP option. Up to eight RIP cores may be run in parallel, in a 'RIP farm'.
- One RIP instance acts as a 'master', and spawns RIP subprocesses. All these including the master are identical 'clrip.exe' instances, which terminate when each job is complete.
- If the RIP farm is disabled, a single RIP will be used.
- There is no need to duplicate RIP instances, so the Multi-RIP Configuration tool is not used.
- The Page Filter Action no longer slices into one file per press strip. All slices are stored in a single PDF sequenced across the printbar, in stage order.
- A single workflow is used, with no need for separate 'File Prep' and 'Press Output' workflows.
- The workflow uses a single 'Render Action' for output to the press, rather than a number of RIP Output Actions.
- The default configuration may be adjusted using the Navigator Configurations Editor (launched using the 'NCE' shortcut in `User Resources\Xitron Shortcuts`). This edits JSON configuration files stored under `Navigator\Config\RenderConfig` .
- Some settings may be overridden using the Navigator Client, Workflow Editor.
- ODC processing now processes feathering (cross-fading between adjacent print heads); 'feathered' CCTs are no longer required.

Note

- Only a single RIP PC is supported at present; XiRemote is not required.

New Features

- Two processing modes are supported:
  - Non-transactional, supporting press-wide pages in input documents.
  - Transactional, supporting US Letter-sized pages in input documents. Slit and Merge and DualStream (renamed to MultiStream) transactional modes are available.

- Support for 925dpi vertical resolution has been added.
- Separator pages may be added between jobs. If you wish these not to be blank, the top 25% of each page may be set to gray, 0xCC:
  - Edit `%appdata%\Xitron\DuraLinkSpooler\DuraLinkSpooler.ini`
  - Add

```
[SeparatorPages]
AddBlankPageData=1
```

- Add page and copy count information into the ABT stream using OEM_CUSTOM tag 199200. Depending on whether the copy count is greater than 1 and collate is on, this will take one of these forms:

  1. Page X of Y / Copy n of N
  2. Page X of Y / N copies
  3. Page X of Y / 1 copy

- Switch to the new OdcLib which computes the feathering for stitch overlaps in place of using special CCTs.

Folder overview

Item	Description	Location
Main installation folder		`C:\NavigatorDuraLink`
Shortcuts	Shortcuts for launching RIP Manager, Client, LDK Web Server, NCE	`C:\NavigatorDuraLink\User Resources\Xitron Shortcuts`
RIP Manager folder	Contains Navigator Server and Client.	`C:\NavigatorDuraLink\Navigator`
Settings files	JSON settings files edited with NCE.	`C:\Navigator\Navigator\Config\RenderConfig`
RenderConfig template	PostScript template used for processing jobs	`C:\NavigatorDuraLink\Navigator\Config\RenderConfig\Templates\DuraLink\_template`
RIP folder	Contains the master RIP.	`C:\NavigatorDuraLink\Renderers\NR_1`
RIP Resources	LDK utilities, security installers	`C:\NavigatorDuraLink\NR_Resources`
Utilities		`C:\NavigatorDuraLink\User Resources\Utilities`
Postflight	Utility to produce a report on the system configuration and most recent job, opens it in web browser.	`...\Postflight`
DFEBackRest	Utilities to back up and restore configuration files.	`...\DFEBackRest`
LogJam	Utility to gather log files.	`...\LogJam`
ODC	Utilities for making and using ODC calibrations.	`...\ODC tools`
XiSettings	Utility for editing .ini files.	`...\XiSettings`

DuraLink Spooler	Controls output to press.	`%APPDATA%\Xitron\DuraLinkSpooler`
XiShare	Contains `Dithers`, `DuraLink Output`, `ODC` folders.	`%PROGRAMDATA%\Xitron\XiShare`