
Torrent RIP v7.2

Release Notes

January 2007

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Torrent RIP Release Notes

v7.2 release

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<http://www.highwater.co.uk>

HighWater Designs Limited

1-6 St. George's Business Park,
Alstone Lane,
Cheltenham, GL51 8HF,
UK.

Telephone: +44 1242 542100

Fax: +44 1242 251600

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Torrent RIP v7.2

Release Notes

HighWater Designs Limited is pleased to announce the release of the Torrent RIP v7.2.

This release provides the following:

- Enhancements, as described in Section 1 on page 4.
- Fixes to issues reported in previous releases, as described in Section 4 on page 11.

1 Enhancements

The Torrent RIP v7.2 release provides the following enhancements:

- Support for the Mac Intel platform.

2 Notes about this release

Please note the following items relating to this release.

2.1 Supported platforms

The following platforms are supported by the Torrent RIP v7.2:

Windows Server 2003 SP1*v5.2 Windows Server 2003r2 SP1 v5.2	Macintosh OS X Server 10.4.x
Windows 2000 Server SP3, *SP4	*Macintosh OS X 10.4.x (10.4.7 recommended) Tiger Release
Windows 2000 Pro SP3. *SP4	Macintosh OS X 10.3.x (10.3.9 recommended) Panther Release
Windows XP Home SP2 or later	
Windows XP Pro SP2 or later	

*Recommended version.

Notes: The Torrent RIP v7.2 does not support Windows 98, Windows Me, Windows NT 4.0, Linux, Solaris, Irix or any Classic Macintosh OS.

Classic mode under any Mac OS X version is not supported.

The Torrent RIP v7.2 does not yet support Windows Vista.

2.2 Watermark drop dead date

The watermark drop dead date for the Torrent RIP v7.2 is May 31st, 2008.

2.3 Statuscheck on Mac Intel not yet implemented (v7.2)

It is not possible to use the Enfocus Certified Statuscheck feature. The universal binaries are not yet available. The behavior on a Mac Intel platform, should you try to use it, is described below:

In the PDF Options dialog, when “Do status check” is selected, the “Abort if status check fails” checkbox and **Add...** button become available for selection.

Selecting the **Add...** button displays the “Select PDF Profiles” dialog. However, no profiles are currently available for selection, so none are displayed.

Pressing the “Select” button at this stage does not do anything. The only other option is “Cancel”, which closes the “Select PDF Profiles” dialog.

Whether the “Abort if status check fails” checkbox is selected or not, pressing **OK** to confirm changes and close the “PDF Options dialog” displays another dialog: “Please add a PDF Profile (or uncheck the “Do status check” checkbox)”. The only real option is to uncheck the “Do status check” checkbox.

2.4 New version of Harlequin License Server

The Torrent RIP v7.2 is provided with HLS v3.7 which must be installed. On Windows platforms, HLS v3.7 requires use of the Torrent v7.2 SuperPro dongle driver. This is provided with the distribution and should be installed.

If during the installation you find that the Harlequin License Server is not automatically replaced by the new v3.7 you could try manually removing the existing HLS and re-installing. The folder to remove is located at:

Windows:

`C:\Program Files\Common Files\Global Graphics Software\Harlequin License Server`

Mac:

`HD:Library:Application Support:Global Graphics Software:Harlequin License Server`

Do not remove the Harlequin License Server Permits folder.

After installing the RIP and dongle drivers you should do a custom install of the Sentinel Protection Installer in `\TORR7.2\sentinel`. Remove the Sentinel Protection Server from the install by clicking the down arrow next to the Protection Server and selecting “This feature will not be available”. When the Sentinel Protection Server is removed, continue the installation.

On Mac OS X platforms please ensure the new version of HLS is installed.

On the PowerPC Mac platform, the sentinel driver is available as an installable option. However, on Intel Macs, there is no need to install the sentinel dongle driver. It is included as an integral part of the RIP application.

2.5 Checking the Clock

Before installing the Torrent RIP v6 (and later) together with the HLS, you must ensure the computer clock is correctly set. Any change made to the computer clock after installation, specifically turning the clock backwards so that the date is changed, may prevent HLS from using permits. Launching and running a dongled RIP will not be affected but any function enabled through a permit may fail. This includes, but is not limited to “Try Before You Buy” (TBYB), JDF and PPM.

Note: Changes made to the clock to correct for small amounts of “drifting” and for daylight saving will not affect HLS.

2.6 Installing older RIPs on the same machine

If you attempt to install a pre-v7.2 RIP after installing v7.2, a message will appear asking you to confirm that you want to copy older files over those already installed. Select “No” so that the newer files (from v7.2) are not overwritten. This is especially important for the Harlequin License Server.

For both RIPs to work, you should not overwrite the v3.7 HLS with older files.

2.7 MacAfee anti-virus problem

Please note the “Issue with Buffer Overflow Protection in MacAfee” on page 23.

2.8 Epson 2100 and 2200

Please note that Epson named the same machine *Stylus Photo 2200* in the US and *Stylus Photo 2100* in Europe and Asia. They are the same machine in every respect other than the name.

2.9 Chinese Software Copyright Registration (v7.2)

Now that the Torrent RIP is registered as software in China, the following text has been added to the RIP Splash Screen and in the documentation:

Certificate of Computer Registration of Computer Software. Registration No.
2006SR05517

This is only for 7.x RIPs at present.

2.10 Update Input and Emulation Profiles for RIP (v7.2)

The BVD-Fogra profiles provided in the v7.0 RIP have been superseded by more recent data sets posted to the ICC registry. Therefore, the BVD-Fogra profiles have been replaced with the Fogra series 11-14 and 19-22 which are in conformance with ISO/DIS 12647-2:2004. In addition to this, the IFRA 26 and IFRA 30 input and emulation profiles have been added to the RIP.

In summary, the following four profiles have been removed from `SW\Config\Press\Profiles\CMYK\Press:`

- BVD-FOGRA positive gloss
- BVD-FOGRA positive LWC
- BVD-FOGRA positive matt
- BVD-FOGRA positive uncoated

The following eight profiles have been added to `SW\Config\Press\Profiles\CMYK\Press:`

- Fogra 11 – 14
- Fogra 19 – 22

The following two profiles have been added to `SW\Config\Press\Profiles\CMYK\Press:`

- Reference Name: IFRA26
Printing process definition: ISO/DIS 12647-3:2004, Coldset offset printing, contact exposed negative acting plates or computer to plate (tone value increase of 26%), newsprint, screen ruling 40 lines per cm.
- Reference Name: IFRA30
Printing process definition: ISO/DIS 12647-3:2004, Coldset offset printing, contact exposed negative acting plates or computer to plate (tone value increase of 30%), newsprint, screen ruling 40 lines per cm. (Principally applicable to the USA).

For more information see <http://www.color.org/drsection1.html>.

2.11 Spaced out Job Titles (v7.2)

The job name, time and date and separation names printed when Full crop marks are selected with simple imposition now use a correctly localized font and the appropriate encoding for that font.

2.12 Autolayout and media width calculation (v7.2)

When calculating the number of pages that would fit on a sheet, the sheet size was taken as an absolute limit, which meant that, in some cases, fewer pages would be placed than expected, because the expected number failed to fit by a very small amount. This has been changed so that, by default, an oversize result of 35 device pixels (0.12" or 3.0mm at 300 dpi, 0.04" or 0.9mm at 1000dpi, 0.01" or 0.4mm at 2540dpi) or less will be ignored. The final sheet size will still match the requested value, but very small amounts may be clipped. The default value can be adjusted by changing `SheetsSlop` in `HqnImpose2`.

In addition, the calculation of page counts is now based on sheet and page sizes that have been snapped to a whole number of device pixels. Thus, it is now possible that automatic calculation of page counts may produce different results at different resolutions.

The use of non-zero values for `MaxWidth` and `MaxHeight` will now trigger the raster to be clipped to the dimensions supplied, even if the `FixedSizeSheet` Suffix is not used. In addition, supplied values of `MaxWidth` and `MaxHeight` are reduced to the largest whole

number of device pixels that is less than or equal to the size requested. Thus, the size of rasters produced when `MaxWidth` or `MaxHeight` are used may be smaller than those produced in earlier versions of the RIP.

2.13 Annotation files rotate as necessary (v7.2)

The annotation installation page feature in the RIP used to assume that all supplied EPS files would have been defined with widths greater than their heights. This means that some EPS files, such as the control strips published by the European Color Initiative, would not install correctly because they are much taller than they are wide. The installation now automatically rotates such EPS files by 90 degrees.

2.14 Supplied fonts (v7.0)

The font sets supplied with the Torrent RIP Release v7.2 contain the EURO character.

2.15 Simple Imposition (v7.0)

Torrent RIP Simple Imposition provides facilities to impose incoming pages using some of the most common imposition layout schemes. For more information please consult the *Torrent User's Guide*.

Note: Page features from Torrent v6, and OEM-written variants on those using `HqnImpose2` may continue to work in the v7 release. However, you should note that those Page features cannot be used in conjunction with Simple Imposition. Some provided imposition setups are derived from Page features used in pre-v7 release RIPs, and have names that reflect their intended use. The supplied setups cannot be edited but can be copied and then edited using the Imposition Manager.

If required, you may copy page features you have used with the Torrent v6 release into the v7.0 page features directory and use them instead of using the options provided with Simple Imposition.

Notes: Multi-page imposition cannot be used with recombine. However, `Crop Marks` or other uses of the `One-Up, single-sided` imposition scheme (for example, when adding a color bar) can be used with recombine.

PDF files with mixed orientation and pages sizes cannot be processed with Simple Imposition. If an attempt is made to process files of this type an `undefindresult` error will occur.

2.16 Change to InDesign and XPress default values (v7.0)

The default settings for **Act on InDesign page comments when recombining...** and **Act on XPress page comments when recombining...** (from the **Page Setup > Options... > Extras** dialog) have been changed for the Torrent RIP v7.2. The options are now activated as the default. You should note that the label text “(not recommended with imposed pages)” is now inappropriate (since v6.3). It is safe to use these options with imposed pages.

2.17 Unicode support (v7.0)

From the Torrent RIP v7.0, Unicode encoded Info dictionary entries are now correctly displayed in the monitor window where previously they were not. In addition to this, job names are now correctly displayed in the output monitor window.

2.18 TIFF plugin temporary file naming (v7.2)

From Torrent v7.2, the naming convention for temporary files produced by the RIP's TIFF plugin has changed from `.TMP` to `.00T`. You may, therefore, need to set any downstream software (for example, HighWater's Q2 spooler application or other TIFF outputting software that may be monitoring the RIP's TIFF output folder) to ignore temporary files having the extension `.00T` (zero zero T). In some rare circumstances, this extension could become `.01t` or `.02t` so, for safety, these extensions should also be excluded.

3 Compliance and compatibility

The following section deals with issues of compliance and compatibility.

3.1 Compliance

This section details compliance issues and fixes.

3.1.1 Shaded fill patterns (v7.2)

Shaded fill patterns (Type 2 patterns) have historically had their overprint status fixed at pattern instantiation in Torrent and Adobe RIPs. This follows a strict reading of the PDF and PostScript language specifications. More recent Adobe RIPs and Acrobat (from v6 onwards) have changed this behavior to allow a shaded fill pattern to be subject to `setoverprint` whilst painting in the pattern. We have received a tentative clarification of the specification from Adobe but, given the history, we have introduced a new userparam, `/PatternOverprintOverride`, to control this behavior.

3.1.2 Correct inversion of inverted compressed TIFF images

Inverted TIFF images that have been compressed with CCITT T.6 (Group 4 fax) compression now print correctly.

3.1.3 Add Support for PDF TrapNet annotations

`/TrapNet` is part of the PDF 1.3 specification for Annotations and support for that has now been added to the Torrent RIP.

3.2 Compatibility

This section details compatibility issues and fixes.

3.2.1 Overprinting with transparency

The implementation of the Overlay transparency blending mode in the Torrent RIP is compliant with the PDF specification, but a border case at 50% transparency is handled differently by Acrobat. We have, therefore, changed the Torrent RIP to match Acrobat for this border case.

3.2.2 Better handling of standard 14 fonts

For the standard 14 fonts the Type1 font dictionary must have either all or none of `FirstChar`, `LastChar`, `FontDescriptor` and `Widths`. If, however, the font dictionary in the job is missing the `Widths` entry, Acrobat handles it by detecting the missing entry and then ignoring the other three optional entries. Therefore, the RIP has been changed to better handle this mix of missing/invalid font dictionary entries for the standard 14 fonts.

3.2.3 Error with PDF 1.4 file with Embedded subsetted TrueType CID font

RIP checks have been relaxed so that a PDF 1.4 file with a flawed Embedded subsetted TrueType CID font, that displayed correctly in Acrobat, do not now cause an invalid font error in the Torrent RIP.

3.2.4 Font error in PDF 1.3 file

When processing a PDF v1.3 file the following error may occur:

```
Error: invalidfont; OffendingCommand: Tj (PDF)
```

This is caused by an invalid font that contains a truncated cmap. Instead of faulting such truncated cmaps when loading, we will now fail if we need a missing cmap entry, but not otherwise.

3.2.5 CID font issue

A fix has been implemented for a PDF file that caused an error in the Torrent RIP but succeeded in Acrobat (which does a font substitution). Even though the PDF specification does not show any examples of indirected subarrays in the `W` array, they are not prohibited either.

3.2.6 PrinectSignaStation PDF files

Even though the PDF files from `PrinectSignaStation` are not strictly valid they will successfully process in Acrobat. The Torrent RIP has been changed so that they will now correctly process.

4 Change details

This is a list of the problems fixed and other changes made in the Torrent RIP v7 release since the Beta release. The changes are uncategorized, in numerical order:

Table 1 Torrent RIP v7.2 changes

Ref	Description
11890	Added PostScript language keys so that intents and profiles can be set by OEMs. Change made in RIP binaries.
12300	Extra pixels in shaded fills. Now fixed. Change made in RIP binaries.
12313	Error caused by merged excel chart/graphic in one PDF file now fixed. Change made in RIP binaries.
12407	A password protected PDF file can now be successfully opened and processed when a valid password is entered via the PDF options in the RIP GUI. Change made in HqnPdfcheck procset.
12435	The Unicode name issue with the TIFF and Prestek plugins has now been fixed. Change made in RIP binaries.
12440	The color of a job no longer changes after rendering to halftone. Change made in RIP binaries.
12454	Incorrect/Enabled setting for zones in PDF file has now been corrected. Change made in RIP binaries.
12455	The text offset is now set correctly with Torrent RIP 7.1r0. Change made in RIP binaries.
12459	Parsing of a variety of comments in PostScript jobs has been made more robust to avoid side-effects from unexpected comment content. Changes made in HqnOPI, HqnIlpatch, HqnImpose2, HqnDcsparse and HqnPageno procsets.
12490	Support for customer number now added to ECRM RIPs. Change made in RIP binaries.
12491	White spot color no longer output as gray. Change made in RIP binaries.
12496	Missing checksum mismatch error in 7.1r0 and later RIPs has been corrected. Change made in RIP binaries.
12505	With specific spot color separation added to list of separations and turned 'off' TrapPro produced VMError. Now corrected. Change made in RIP binaries.
25118	Slow processing of PDFs containing 10 colorant images has been corrected. Change made in RIP binaries.
25241	The 16 bit halftone cache limit has been fixed. Change made in RIP binaries.
26530	Color management of neutrals has been improved. Change made in RIP binaries.
27065	Error thrown on trailing LF in <code>CIDT0GIDMap</code> stream. Now fixed. Change made in RIP binaries.
28344	Import Measurements dialog has been adjusted. Change made in RIP binaries.
28381	Error in tab ring has been fixed. Change made in RIP binaries.

Table 1 Torrent RIP v7.2 changes

Ref	Description
28692	Font emulation now recognizes system and other popular fonts. Change made in RIP binaries.
28721	Print file dialog no longer displays English text for page setup when in Japanese locale. Change made in RIP binaries.
28771	Stroking problems with bezier mitres and endcaps have been fixed. Change made in RIP binaries.
28863	CMYK PS file no longer outputs to separated setup as 'K' only. Change made in RIP binaries.
29409	v7.2 Sentinel dongle driver is to be included in builds.
29561	Handling of font matrix Y offset for type 3 fonts has been fixed. Change made in RIP binaries.
29690	Exhibit ID CS2 PDF now produces transparency warning with Simple Imposition. Change made in RIP binaries.
29725	Line left after scrolling Imposition Manager on OS 10.4 (Tiger) has been removed. Change made in RIP binaries.
29822	Serif fonts missing glyphs no longer cause rangecheck error. Change made in RIP binaries.
29881	Simple Imposition no longer prints a page when no pages are in the requested page range. Change made in RIP binaries.
50962	RIP now renders Futura Book text correctly as Futura Bold after processing many pages of a supplied exhibit job. Change made in RIP binaries.
60152	When using Late Color Management (LCM), CRDs created prior to 7.0r0 RIPs are no longer ignored. Change made in RIP binaries.
60191	Imposition setup name has been added to slug line annotations. Change made in RIP binaries.
60299	Fold menu for non-folding impositions has been disabled. Change made in RIP binaries.
60396	Make double-screen names /Type. Now fixed. Change made in RIP binaries.
60506	'Use file name as job name' now works with Simple Imposition and the spool folder. Change made in HqnLayout procset.
60509	RIP no longer crashes when its remote HLS service stops momentarily. Change made in RIP binaries.
60626	Issue with Patterns in PDF files - Page setups with resolutions over 1200 no longer crash. Change made in RIP binaries.
60629	Do (PDF) Soft mask in data is now supported. Change made in RIP binaries.
60766	Trapping inkset settings are no longer being ignored in object trapping. Change made in RIP binaries.

Table 1 Torrent RIP v7.2 changes

Ref	Description
60777	The warning dialog on the reduce-roam no longer kills the Roam and hangs the RIP. Change made in RIP binaries.
60856	1 bit screening artifacts on Intel Mac. Now fixed. Change made in RIP binaries.
60975	Canned Statuscheck profiles to support Enfocue Pitstop 4.0 lib/v7 have been updated. Change made in RIP binaries. See also Section 2.3, “Statuscheck on Mac Intel not yet implemented (v7.2)”.
60991	AppleTalk and Simple Imposition problem. Now fixed. Change made in RIP binaries.
60993	Fix for badly formed Type1 fonts which, when stroked, had parts of their outline missing. Change made in RIP binaries.
61091	Embedded subset output with HP PDF 1.5 file is now correct. Change made in RIP binaries.
61104	Imposition manager redraw is now correct on spine fold column. Change made in RIP binaries.
61130	PDF file that crashed the RIP now RIPs correctly. Change made in RIP binaries.
61142	Flate enabled TIFF files now RIP correctly. Change made in RIP binaries.
61152	Punctuation error corrected. Change made in RIP binaries.
61180	Text wrap no longer causes bad split on confirmation dialog for Mac OS X. Change made in RIP binaries.
61209	Windows 2003 Server has been added to the list of HQNc-standard recognized platforms. Change made in RIP binaries.
61213	DCS input—only one separation in RIP output for hexachrome files. Now fixed. Change made in RIP binaries.
61272	File no longer fails when printed via spool folder. Change made in RIP binaries.
61301	PGB is now created when printing PDFs. Change made in RIP binaries.
61329	The v7.2 RIP requires the use of HLS v3.7. Change made in RIP binaries.
61382	Installation no longer contains unnecessary empty directories on Mac OS X. Change made in RIP binaries.

This is a list of the problems fixed and other changes made in the Torrent RIP v7.2 Beta release. The changes are uncategorized, in numerical order.

Table 2 Torrent RIP v7.2 beta release changes

Ref	Description
12374	Files with Preps 'plate furniture' no longer cause Trapping to hang. Change made in RIP binaries.
12382	Invalid restore on showpage with trapping, for example PDF file. Change made in RIP binaries.
12424	OEM created modification to Hqnimpose2 resolves invalid font error. Change made in HqnImpose2 procset.
12435	Unicode Name issue with TIFF. Change made in RIP binaries.
12442	Add option to PFI for Localization API to enable customer plugins to output localized messages. Change made in RIP binaries.
12448	Characters missing in output of PDF file. Now fixed. Change made in RIP binaries.
12460	Incorrect PDF file when sent to the 7.2 RIP now produces the correct output. Change made in RIP binaries.
12461	Supplied test files now output without error. Change made in RIP binaries.
12466	Imposition setup in Torrent RIP v7.0r3 gets different results in v7.1r0. Change made in HqnLayout procset.
12467	Sample PDF 1.3 file crashes 7.1r0. Change made in RIP binaries.
12468	OEM sample file causes 7.2 RIP to hang. Change made in RIP binaries.
12474	Example file now completes successfully. Change made in RIP binaries.
12484	Embedded CID font now outputs correctly. Change made in RIP binaries.
12485	Yellow outline on K text with TrapPro. Now fixed. Change made in RIP binaries.
26905	Ink name can be saved with no ink name defined. Usage of such no longer provokes core RIP errors. Change made in RIP binaries.
27004	VMError on rotated PS file. Change made in RIP binaries under CR# 50863
27061	'override angles in job' not honoured by composite job using setscreen before <code>setcmykcolor</code> . Change made in RIP binaries under CR#27182.
27164	Bug fixed with TrueType fonts in Illustrator PDFs where the correct font family but wrong font could be used when fonts were installed and not embedded. Change made in RIP binaries.
27182	Black angle incorrect for imposed page. Now fixed. Change made in RIP binaries.
27213	Blank page buffers with some PDFs in Mac OS 9 and Mac OS/X. Change made in RIP binaries.
27947	Cassettes pull down list now updates when new cassettes are added. Change made in RIP binaries.
28330	Invalid TIFF now RIPs correctly. Change made in RIP binaries.

Table 2 Torrent RIP v7.2 beta release changes

Ref	Description
28555	JPEG missing End of Image marker. Now fixed. Change made in RIP binaries and in HqnJpeg procset.
28758	Ensure correct rotation of Type32 fonts on rotated pages. Change made in RIP binaries.
28785	Problem with 'pdf_strokepath' in PDF and PS files has been fixed. Change made in RIP binaries.
28828	The default raster format no longer allows 'extra colors in job'. Change made in RIP binaries.
28897	Threat of crashing on systems with misconfigured user/group info has been fixed. Change made in RIP binaries.
29011	Support control over number of output copies in the SOAR Throughput API. Change made in RIP binaries and in HqnJDF procset.
29076	ROAM options dialog box is now set to always be on top. Change made in RIP binaries.
29110	JDF: Support JDF 1.3 Layout partitioning. Change made in RIP binaries.
29190	Eve3 dongle driver check removed from Mac OS X installation. Change made in RIP binaries.
29287	JDF CTM and Source*** should be based on <code>surfaceContentsBox</code> lower left, not 0, 0. Change made in HqnJDF procset.
29480	Make selection behavior of manager dialogs consistent. Change made in RIP binaries.
29601	Exaggerated Bold and Italic font. Change made in RIP binaries.
29617	PDF/X checking mark in control strips and simple imposition annotations is wrong. Change made in RIP binaries. The file <code>SW/Usr/ColorBars/PDFX.ps</code> has also changed.
29658	Simple Imposition prints first page of a job when whole job should probably fail. Changes made in HqnLayout and HqnPDFPages procsets.
29701	When band size is insufficient the 'Reading from' dialog no longer gets stuck forever. Change made in RIP binaries.
29878	Spaced out Job Titles when printing from Quark 6.5 PDF when 'Crop Marks' are used no longer occur. Changes made in HqnImpose2, HqnLayout and HqnPDFPages procsets. See also "Spaced out Job Titles (v7.2)" on page 7.
45457	Improvement in color reproduction of CMYK roam. Change made in RIP binaries.
50863	Elusive crash with late color management and trapping. Change made in RIP binaries.
50897	Rotated images output to mono RLE distort badly. Change made in RIP binaries.
51013	Avoid color managing soft masks in transparency. Change made in RIP binaries.
51051	Roam corruption with RLE. Change made in RIP binaries.

Table 2 Torrent RIP v7.2 beta release changes

Ref	Description
60232	Non-optimal autolayout in N-up and incorrect Media width calculations have been corrected. Change made in HqnImpose2 procset. See also “Autolayout and media width calculation (v7.2)” on page 7.
60301	Reduce roam dialog job title now correct with Quark 6.5/7.0 (jaws) PDFs. Change made in RIP binaries.
60373	A QualityLogic test file now runs to completion without error. Change made in RIP binaries.
60376	QualityLogic test files now run to completion without error. Change made in RIP binaries.
60377	OCG errors are no longer reported in files with no OCG. Change made in RIP binaries.
60409	Startup functionality for multiple RIP solutions using a remote license server to provide RIP licenses has been improved. Change made in RIP binaries.
60415	CDF needs to escape special characters in leaf names. Now fixed. Change made in RIP binaries.
60493	Use of the proofing control strip with some PDF files containing spot colors could lead to an <code>InvalidAccess</code> error. This has now been fixed. In addition, spot colors are now shown correctly in proofing control strips with simple imposition. Changes made in HqnLayout and HqnColorBar procsets.
60562	GUIRip crashes/vanishes when Configuration OK, clicked then HQN Menu clicked. Change made in RIP binaries.
60573	Simple imposition now handles cases where the raster size set in the imposition setup does not match a media size defined by the device in a more robust way. This is especially apparent on the Epson 7800 & 9800. Change made in Hqnmedia procset.
60601	Invalid PDF files that used to fail now RIP correctly. Change made in RIP binaries.
60603	PDFIA file causes the RIP to crash. Now fixed. Change made in RIP binaries.
60608	RIP now copes with font directories containing an illegally large Differences array. Change made in RIP binaries
60613	Tiling pattern and some text no longer missing from RIPPed PDFIA files. Change made in RIP binaries.
60632	Installing EPS files as annotations now correctly rotates files as necessary. See also “Annotation files rotate as necessary (v7.2)” on page 8. Page Feature change: Install Annotation.
60637	ISO12647-2_1 Control Strip now prints correctly to Epson VSD 8col device. Change made in RIP binaries.
60669	The RIP now copes with TrueType fonts erroneously containing a header version number greater than 1.0 but less than 2.0. Change made in RIP binaries.
60734	Unnecessary duplication of strings in PSIO operations in coreskin and coregui. Leaks memory. Change made in RIP binaries.
60746	Bad JPEG2000 band size calculation. Now fixed. Change made in RIP binaries.

Table 2 Torrent RIP v7.2 beta release changes

Ref	Description
60814	/OverrideSpotFunctionName no longer causes a rangecheck error when it is supplied as a name. Change made in RIP binaries.
60834	Sysparam /ForcePositive used for recombine persists for non recombine PSUs. Change made in RIP binaries.
60976	The labels in, above and below color bars, and the file name in slug lines are now correctly localized in control strips and simple imposition annotations. Change made in HqnImpose2 and HqnColorbar procsets.
60993	Stroked TrueType (MacRomanEncoding) font loosing partial stroke. Change made in RIP binaries.
61003	Rasterizing stops and continues to consume CPU after 256 pages of 325pp Quark 7 Manual (Jaws PDF). Change made in HqnOPI procset.
61025	PDFIA file fails in Torrent RIP but opens correctly elsewhere. Now fixed. Change made in RIP binaries.

5 Exclusions and known problems

Every effort is made to produce Torrent RIP software complete and free of problems. However, we recognize the importance of making software available to an announced schedule and, therefore, some functionality is incomplete or has issues.

5.1 Issues

See the following sections for more details:

- “Installation issues” on page 18.
- “Migrate issues” on page 18.
- “Transparency/Recombine/Late color management issues” on page 19.
- “TrapPro issues” on page 20.
- “SetGold and SetGoldPro issues” on page 20.
- “Simple Imposition issues” on page 21
- “Mac OS X issues” on page 22.
- “Miscellaneous issues” on page 22.

We continue to identify issues and implement both bug fixes and planned features. Your input is very important. We have identified some issues which you should be aware of.

5.2 Installation issues

This section describes installation issues.

5.2.1 USB Dongle failure

Isolated incidents of USB Dongle failure have been observed when using the dongle in passive USB Hubs, monitors, docking stations, etc. We recommend using the dongle in a powered USB port on the PC.

5.2.2 Include Sentinel drivers with v7.2 RIPs

The newest SafeNet code for accessing SuperPro dongles no longer uses `sentinel.kext`. However, the new code fails to find a dongle if v1.0.0.1 of `sentinel.kext` is installed. The new code will find the dongle if v1.0.0.2 of `sentinel.kext` is installed.

Users upgrading to Torrent v7.2 must choose whether to remove `sentinel.kext` or to upgrade to v1.0.0.2.

5.2.3 HLS messages

When the HLS starts the following message can appear:

```
<<username>> <<servername>> : BAD PRODUCT
```

This means that the requested product is unknown to HLS. Not having a Try Before You Buy permit is the one of the most common reasons for this error.

For more information consult the *Harlequin License Server* manual.

5.3 Migrate issues

The following sections describe issues with Migrate.

5.3.1 Migrating to Simple Imposition assumes presence of same named SI setting (v7.1)

When a page setup that uses a Crop Marks Page feature is migrated into a v7.1 RIP that does not have a Simple imposition setting called Crop Marks, the v7.1 page setup Simple imposition menu will be blank, and any editing attempts result in the message:

```
Please select an Imposition setup.
```

The Page setup can be used to RIP jobs, but displays the message:

```
Using Imposition Setup "(Crop Marks)"Warning: Failed to find
Imposition Setup "(Crop Marks)", defaulting to (None)
```

5.3.2 Multiple migrates in the same session end up in error (v7.1)

Migrate is able to be run a number of times in the same session (that is, you may migrate setup A -> setup B, and then setup C -> setup D and so on, without quitting Migrate). We have, however, found that such multiple migrations may result in error for the latter migrations, especially on color setups. It is, therefore, recommended that the Migrate application is restarted between migrations.

5.3.3 Migrated page setups fail (v7.0)

When migrating page setups from an earlier RIP to v7.0 and Media Saving is enabled in the source RIP, the migrated page setups will fail with a rangecheck error. This is because Media saving conflicts with Simple Imposition.

5.3.4 Quit the RIP if target Migrate RIP is running (v7.0)

When using Migrate v3.3 issued with v7.0, the target RIP can be open and running while Migrate is running. Migrate will display a prompt to merge the SW folders, and the user can confirm this without any displayed message. Any changes made will not take effect until the RIP is restarted, but the RIP could become destabilized.

A message should be displayed prompting the user to quit the RIP to continue migrating. To avoid destabilization the target RIP should be quit.

5.4 Transparency/Recombine/Late color management issues

Please note the following points when using Transparency, Recombine or Late color management:

- Partial painting is not supported with transparency jobs.
- Text Knockout Mode is not supported.

Note: Multi-page imposition cannot be used with recombine. However, Crop Marks or other uses of the One-Up, single-sided imposition scheme (for example, when adding a color bar) can be used with recombine.

For more details see the Recombine section of the *Torrent User's Guide*.

5.4.1 Bounding Box affects color conversion (v7.2)

If the results of using Bounding Box Page Feature/Simple Imposition option are compared with not using it, without the Bounding Box, and using CMYK with a yellow and black test image, the RIPped file is correct. With Bounding Box there is a heavy percentage of background yellow and no black. Photoshop shows a 6% tint of yellow when the RGB file is converted to CMYK.

When RIPping this file in v7.1r4, Bounding Box correctly has no effect on the color. Later versions do.

5.4.2 CRD and Late Color Management

When a new RIP is installed and a file is processed using Late Color Management, the job will fail with an undefined error: OC: f(PDF). This is because the RIP supposes a CRD already exists. To overcome this issue, RIP the job first without using Late Color Management. When this is complete, RIP the job again using Late Color Management and the job will successfully complete.

5.4.3 No page buffer or explanatory error when recombining to TIFF 4.0.1

The TIFF 4.0.1 plugin allows spot colors. If “Other Colors” has “Yes” or “Not Blank” and “Recombine” is enabled, usually there is no page buffer and the job appears to have completed correctly.

5.4.4 Problem with the List Spot Colors page feature

If Recombine is switched on the List Spot Colors page feature will report No spot colors in page when spot colors are present.

5.5 TrapPro issues

This section details the issues relating to TrapPro.

5.5.1 ColorantZoneDetails does not use the default if a parameter is missing (SP4)

This only affects users who wish to set trapping parameters using a PostScript language file. Every parameter in `trapparams` is optional, and not specifying a parameter generally means that the default value is used (in the same way as `setpagedevice`). However, if the `/TrapColorScaling` key (in `ColorantZoneDetails`) is not defined, the default value is not used. This can cause unpredictable results.

5.6 SetGold and SetGoldPro issues

The following section describes issues related to SetGold and SetGoldPro v3.1.

5.6.1 Install profiles in RIP option causes SetGold to freeze (v7.0)

After clicking the HOME button having checked “Install profiles in RIP” SetGold freezes while trying to start a Licence Server RIP that is already running. To recover from this, close SetGold and restart it.

5.6.2 SetGold issue when installing profiles (SP4)

If you have installed SetGold and a v6 SP3 RIP (or later), you have the option to automatically install Input and Emulation profiles directly into the RIP using the Install profiles in RIP option.

Before using this option make sure you do not already have a RIP running. The RIP will automatically start-up when you return to the Home screen in SetGold. You must let the RIP complete its start-up process, and not quit it during that process. In addition, you should let SetGold shut the RIP down.

Do not manually shutdown the RIP using the Quit option.

5.6.3 Add option to create output folder for input profiles (SP3)

In SetGold, there is no option to create a working directory (Output Folder). A profile cannot be saved without first creating a working directory. Therefore, you should manually create a working directory before using SetGold.

5.6.4 SetGold cursor displays watch indefinitely on Mac OS X (SP3)

There is a problem when the “watch” cursor appears and the application does not progress any further. This problem seems to occur when using an Eye-One device and creating an input profile. In this case, you need to restart SetGold.

5.6.5 Software 2000 EDS option on Mac OS X (SP3)

In SetGold, one of the available screening options is Software 2000 Error Diffusion. The Software 2000 EDS library is not available for Mac OS X and, therefore, this option should be ignored.

5.6.6 Pressing the Return or Space keys in SetGold v3.0 (SP3)

When running SetGold or SetGoldPro v3.0, pressing the RETURN or SPACE keys can causes unexpected behavior. To avoid this you should explicitly select the required options in SetGold using the mouse.

5.7 Simple Imposition issues

This section details some issues related to Simple Imposition.

5.7.1 Simple Imposition and Torrent RIP page setups

Simple Imposition setups are not stored with the Torrent page setups; they are referenced setups. This means that several page setups can use a single Simple Imposition setup. If you do use a Simple Imposition setup for different page setups it is important that you select a Custom page size (rather than getting the page size from the Media or Job).

5.7.2 Imposition Manager: work and turn does not reset

If you have previously configured a Work and Turn option and you decide to change the imposition scheme, the Work and Turn option becomes disabled displaying an empty value. You should be aware that the previously selected Work and Turn option is still selected, rather than the RIP choosing a default option more suited to the changed scheme. If this is a problem the following error will appear:

```
%%[ Error: rangecheck; OffendingCommand: get; File: ]%%
```

To work around this, you should make sure you have the required Work and Turn option selected before switching schemes.

5.7.3 General Simple Imposition issues

The following issues have been noted:

- The Simple Imposition PostScript Language API as well as the GUI option is a layered option and requires a license.
- Some error messages are not consistent with other work flows.

5.8 Mac OS X issues

This section provides some details about Mac OS X.

5.8.1 RIP reports “Failed to save the ThroughPut state” on Tiger

It is possible that the RIP could fail to delete a file while it was being indexed by Spotlight. This can be avoided by excluding the SW folder and/or the PageBuffers folder from the locations searched by Spotlight. To do this, go to the Spotlight System Preferences and add the folders to be excluded in the Privacy tab. It is also recommended that you add any hot folders to the excluded list.

5.8.2 Platinum appearance Macintosh dialogs (v6)

Some Macintosh plugins with the Platinum appearance dialogs are not backward compatible—you must use the Torrent RIP version 5.5r0 or later.

5.9 Miscellaneous issues

This section contains miscellaneous issues.

5.9.1 Change to page range for PDF (v7.2)

When `Recombine` is enabled and a pre-separated PDF job is provided that contains `separationInfo` objects (a dictionary containing color separation information for the page from PDF v1.3), the RIP will treat each set of separations as a logical page. For example, a job containing 16 separations of CMYK, CMYK, and so on, is handled as four (recombined) pages. If `separationInfo` is missing or `Recombine` is disabled, the RIP will treat the job as having 16 pages.

5.9.2 Embedded subsetted font (v7.2)

In rare cases, PDF files with embedded subsetted TT fonts RIP correctly at lower resolutions, but at higher resolutions the RIP crashes.

The fault lies with the True Type font interpreter in its Font-Wide phase, used when a font is first used. If a “SHP” instruction occurs the RIP will crash because the instruction alters the points on a specific glyph, but in Font-Wide phase no glyph has been loaded.

5.9.3 RIP fails to find CID font (v7.2)

CID Fonts referenced by their name alone and no encoding stubs, fail to find the correct font, even though one has installed the correct .ttf file. The fact that the Font and CIDFont categories share the same substitution list causes significant problems.

5.9.4 Issue with Buffer Overflow Protection in MacAfee

On Windows XP, enabling “Buffer Overflow Protection” in MacAfee antivirus can cause missing text from dialogs and buttons. Upgrading MacAfee is recommended.

5.9.5 Error in Photolnk custom conversions (v7.1)

In some rare circumstances, jobs containing PostScript language or PDF patterns being ripped with a v7.1 RIP using a page setup for Proof-Ready plugins `epson vsd`, `hp 10/20/50`, `hp120`, `hp130` or `hp5500` might fail with:

```
%%[ Error: undefined; OffendingCommand: get; Key: Info; Value: HWResolution
]%%
```

or possibly:

```
%%[ Error: undefined; OffendingCommand: f(PDF) ]%%
```

This error is due to changes in how the Torrent RIP v7.1 handles patterns and shaded fills.

If you come across these errors, you may confirm this is the issue by using our Long error handler page feature. With this enabled, the report will show a name such as `/HWResolution` on the top of the operand stack, and below that an empty dictionary.

This problem does not affect the Epson 4800, 7800/9800 plugins. It also does not affect the earlier `encad`, `epsonplg` or `hp6col` plugins.

If you encounter this problem, we may be able to supply updated files to work around the error. Contact HighWater Designs support department with a sample file and with information about the specific plugin and version being used.

If you are using Custom conversion procedures for your own developed plugins you should avoid using the `currentpagedevice` operator, partly because it consumes PostScript language VM, but also because there are times when it will return an empty dictionary. This can occur, for example, when processing patterns.

Plugins affected	Plugins not affected
epson vsd v1.2r1 (and earlier)	Canon W2200 v1.0r1 (and earlier)
hp10/20/50 v1.0r2 (and earlier)	Canon W72x0 v1.0r1 (and earlier)
hp120 v1.0r1 (and earlier)	ENCAD v1.0r1 (and earlier)
hp130 v1.0r0	epsonplg v3.4r3 (and earlier)

5.9.6 File is not closed after cancelling JPEG files (v7.0)

If the printing of a JPEG file is cancelled using ALT+, the printing will abort but the read-in dialog remains displayed on the screen. The file remains in use by the RIP, which needs a re-start to recover. To avoid this issue, do not quit printing JPEG files when they are being read.

5.9.7 Using LoadSetup with Simple Imposition (v7.0)

LoadSetup in the HqnControl procset can be used with Simple Imposition. However, if a PostScript language file is dropped into a hot folder that uses LoadSetup and calls a Simple Imposition page feature, the file will complete but will not be moved or deleted after completion.

Note: Using LoadSetup to call a page setup using Simple Imposition will not apply any of the following from the page setup loaded:

- Page features.
- Toothpick or screening accelerator settings.
- A PostScript language level other than 3.

5.9.8 Error opening PDF password protected files using a PostScript language file

This issue was identified as being fixed in the v7.1 Release Notes supplied as part of the v7.1 distribution. Subsequent testing has resulted in the fix being rejected.

A password protected PDF file can be successfully opened and processed when a valid password is entered via the PDF options in the RIP GUI. However, if the password is removed from the RIP GUI and an attempt is made to print the file using the following PostScript language fragment:

```
(%D%/path.to.file/password.producted.pdf) (r) file
<< /UserPasswords (FilePassword) >> pdfexec
```

the following error occurs:

```
Error: invalidaccess, OffendingCommand: pdfopen (info: Unable to find valid
password to decrypt file; ...)
```

5.9.9 Issues with page features and the Spool plugin (v7.0)

The way the Spool input plugin detects whether a job has failed can be disturbed by the use of page features such as 'Error Handler - Long' and 'Error Handler - Short'. In such cases, even though the RIP monitor may say that the job has failed, the Spool plugin may treat the file as "Completed" instead.

The same issue may apply to error handling code installed by OEMs.

If your workflow relies upon the correct error action taking place, please avoid the use of error-handlers and instead diagnose such problems using different page setups.

There are also issues where the RIP may close the spool input channel while files are still open.

5.9.10 Using Type 16 Threshold Screens (v7.0)

To avoid problems when using Type 16 Threshold screens, we recommend that you follow these guidelines:

- Do not use the Generate extra gray levels option (unless this option was used when creating the screen). Type 16 screens already contain 64K threshold levels. Using the Generate extra gray levels option with such screens results in incompatibilities that can lead to a loss of built-in dot gain compensation.
- Define a `/HalftoneName` in the definition of the screen in `sf.ps` (this enables screen caching). Otherwise, you may have problems running multiple jobs.
- Avoid choosing Auto from the Minimum shaded fill levels menu in the page setup Options dialog box because that is equivalent to a value of 64K and will result in excessive performance degradation for shaded fills. You should always set it to a specific value. Note that you can programmatically limit the levels of shaded fills using the `MinSmoothness` user parameter. For example, if you set the value of the `MinSmoothness` user parameter to 0.00012207031, it will limit the levels to 4096.

5.9.11 Appearance of forward slash character (v7.0)

You may occasionally see a “slash” character (/) prepended to a file name in a drop down list or a popup menu selector. This is unlikely to occur and if it does it will not cause any problems.

5.9.12 Warning for Pentium 1 machines (SP4)

General performance improvements have been targeted at current architecture and include changes to our build environment. These changes may result in reduced performance on older Pentium 1 hardware.

5.9.13 Page range fails to print transparent PDFs on Mac OS X (SP4)

Selecting a page range in the PDF Options dialog of 0-n, (as opposed to 1-n), will cause an error when printing the first transparent PDF after launching the Mac OS X RIP.

The error displayed is:

```
%%[ Error: unregistered; OffendingCommand: Do(PDF) ]%%
```

To overcome this problem, change the page range from 0-n to 1-n.

5.9.14 Issue when using image replacement with DCS files (SP4)

When a Monochrome color separation setup is employed, only the information from the Black DCS separation is used in the final grayscale image.

5.9.15 Corrupt output with HEDS1, Media Saving and Epson VSD Plugin (SP4)

There is an issue of getting corrupt output when using HEDS1 screening, Media saving, and the Epson VSD plugin. The problem manifests itself in the resulting PGB as an element rotated away from its original orientation. That is, the element was not rotated when roamed from the Media Saver, but was rotated when Roamed in the Active Queue.

The problem can be solved by increasing the size of the Band size for Printing Buffer setting.

5.9.16 Watermark RIP does not support media saving (v6)

A Watermark RIP cannot currently be used in conjunction with the media saving option. For this reason, the Media Saving check box in the page setup dialog box is disabled when using a Watermark RIP.

5.9.17 Empty passwords in PDF 1.4 files (SP4)

If a PDF 1.4 file is protected by an empty password, rather than no password at all, you must select the “Use password to print protected documents” check box in the PDF Options dialog box, and leave the text box empty.

5.9.18 Slow down loading standard fonts using findresource (SP4)

Previously, it was required that the `FontNameMapping` procset be loaded with `findresource` for it to take effect. If you are currently using `FontNameMapping`, you now need to call the `/Install` procedure in the procset to have the same effect. Typically, this means if you are using some PostScript language in the form:

```
/FontNameMapping /ProcSet findresource pop
```

You should replace it with:

```
/FontNameMapping /ProcSet findresource /Install get exec
```

5.9.19 Run Headless mode RIP in background mode on Mac OS X (SP4)

You can make the Headless mode RIP run as a background-only application by adding an entry `LSBackgroundOnly` (class “String”, value “1”) to the Info.plist file for its application package. Doing this will prevent the RIP from being visible to the user, and it will not be shown in the Dock.

5.9.20 Spool folder not updated on Mac OS X (SP1)

When using the Spool plugin on Mac OS X, the spool folder may not be updated in the Finder, giving the impression that jobs are not being accepted. However, jobs are output successfully.

5.9.21 Calibration Manager: incorrect copying of values (SP1)

The following issues have been reported relating to copying color channels in the Calibration Manager with the Printing Press device:

- Using a Printing Press device, dot gain values are not used when copying into the Other colors in job channel.
- When copying between process channels, exact values are not copied.

For Printing Press, there are two calibration curves; an underlying calibration curve and a dot gain curve. The latter is intended to be the dot gain measured when the former is applied to raw CMYK values. The dot gains are actually derived by applying a transform using data in the profile. For Other colors in job, the transform is linear so we see a straight line in the calibration editor.

The RIP currently copies the calibration curve (a straight line) where it should be copying the dot gain data. This explains why nothing happens when copying a channel to the Other colors in job.

The problem with this is that the press calibration works by calculating the difference between the intended and actual press dot gains. If the intended press contains the default straight line for Other colors in job, you are likely to see pale calibrated spot colors.

5.9.22 Roam as grayscale with black output (v6)

This problem occurs when an application (such as InDesign) applies its internal UCR/BG (under color removal and black generation) to convert RGB images to CMYK. There is no control over this process except to use full color management within the RIP. The RIP accepts the CMYK separations from the job and outputs them faithfully into the page buffer.

When roaming the CMYK job, the RIP must apply a CMYK to RGB conversion. The result is that colored images appear almost gray in ROAM, especially for mid-values of black.

This is a problem of ROAM not matching the original view in the application due to under color removal or black generation.

This problem also affects some output from compositing transparent jobs. Therefore, roaming transparent jobs may display the same error.