
Harlequin RIP

PostScript Language Utilities

Technical Note Hqn013

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1 Introduction

From version 3.2 revision 26 and later of the Harlequin RIP a number of PostScript language files are included for performing tasks which may be required from time to time. OEMs may add further utilities in the same place.

The files are supplied in a directory called **utilities**. To use each one select 'Print File' from the RIP menu and choose the utility file as if it were a job to print. As described below you may find it useful to move the utility to another drive or directory before processing it.

2 Backing up fonts

When moving between versions or revisions of the Harlequin RIP it is possible to copy font files from the **sw** directory of the old installation into the **sw** directory of the new, but this method has two drawbacks:

- a) If the names of the font files are mapped, all of the mapping information must be entered in the mapping file of the new revision by hand.
- b) If you are using composite fonts it can be difficult to ensure that all of the correct files have been copied correctly.

If you select all the files in the **sw/fonts** directory of the old RIP from the **Install Fonts** dialog of the new revision then the first of these obstacles can be overcome, but this method will not produce valid composite fonts if used on fonts from most vendors.

In response to the requirement for a reliable method of backing up and updating fonts a PostScript language utility called **BackupFonts.ps** has been produced. This utility creates a single backup file on disc which contains within it all of the required fonts and any auxiliary information they need.

If the utility is run using ScriptWorks version 2.1, the backup will be a PostScript language file created in the **sw** directory. If it is printed using a PostScript Level 2 compatible version of the RIP, the file will be created in the same directory as that from which the utility was selected in the Print File dialog.

The backup file is called **Fonts.ps**. If created from RIP version 3.2 or later the file will be compressed.

The following files within the **sw** directory will be backed up (if present). '*' is a wildcard in PostScript file names—it means 'anything', so (**fonts/***) means all files whose names start with **fonts/**:

```
(charstrings/*)
(encodings/*)
(fonts/*)
(pgfonts/*)
(pgfsupp/*)
(pgdata/*)
(fontdata/*)
(btfonts/*)
(btdata/*)
(subfonts/*)
(FW/*)
(fsupp/*)
(Sys/PGF*)
(URW_Type1parse)
(data/*)
(TB/*)
(TORAY/*)
(DS)
(morfonts/*)
```

This includes all data for all composite and single fonts that have been examined. If you discover fonts which require information stored in other files then they may be added to the definition of `/FolderList` in the utility. That is just a list in exactly the same format as the one shown above.

The utility will show a reminder to the user that they should ensure that they have appropriate licences for all fonts which are installed on a RIP.

3 Backing up RIP configuration

From time to time you may find it useful to back up the configuration of your RIP in order to be able to reproduce the setup in the event of a disk crash etc., or to copy Page Setups from one machine to another. It can also be useful for

⁴ This list is correct for ScriptWorks version 4.0 revision 2. Earlier versions and revisions included subsets of this list.

an end-user to send configuration data to their OEM support channel so that they can reproduce a complete setup more quickly and easily when examining problem reports.

To run this utility you should print the file **Backup Configuration**.

The backup file is saved as a compressed PostScript language file called **Config.ps** in the same directory that the utility is printed from—you may find it useful to copy the utility file to a floppy disk or SyQuest etc. before printing it so that the backup is created in the correct place and will not require copying again.

The backup includes the following data:

- The current and saved Page Setups, including separation settings.
- Calibration data.
- Data entered in the media manager and cassette manager dialogs, and the current values of exposed media etc. for all cassettes. See “Warning” below.
- Data entered in the Configure RIP and Technical Configure RIP dialogs.
- Device Manager settings for all instances from Multiple Device plug-ins.
- Window positions and sizes.
- The **sw/sys** and **sw/usr** directories which contain the standard start-up files such as **sys/HqnStart**, **sys/HqnOEM** and so on.
- A short test file giving a brief summary of default PostScript settings, called **Describe.ps** and created in the **sw** directory by the utility.
- The **LOGFILE**.

To restore the backup select **Print File** and choose the backup file itself (**Config.ps**). The RIP should then be restarted in order to act on any changes in those settings in the Configure and Technical Configure RIP dialogs which are only used during start-up, and for any differences in the start-up files to be acted upon.

The data *must* be restored to a RIP running the *same* revision of the Harlequin RIP as that on which the backup was performed. If a different revision is detected then files will not be restored.

Because the files are both backed up and restored entirely within the Post-Script language world all file name mapping is performed automatically.

If using this utility to save your configuration in case of an emergency, you may wish to delete the logfile before performing the backup. The logfile will be restored as **LOGBACK** rather than **LOGFILE** and any existing **LOGFILE** will be left untouched.

3.1 Warning

If you make a back-up of the Harlequin RIP using the Backup Configuration utility, one of the files backed up is **sw\Config\Cassette Manager**. This file includes all current cassette information. When you restore the backup by (running **Config.ps**) the **Cassette Manager** file is restored. However, when you exit the RIP, this correct file is overwritten with incorrect default data. The result is that your Cassette Manager settings are not restored.

For this reason **Config.ps** is not appropriate for use as an upgrade tool such as moving your configuration to a new version of the RIP. You should use the Migrate tool to move your configuration to a new RIP version.

To preserve your cassette manager configuration make a copy of the file **Cassette Manager** and then, when the Backup has been restored and the RIP rebooted, copy the file back into place.

Change history		
v 1.2	96.03.07	Correct version numbers in footnotes.
v 1.3	2001.06.11	Updated cover page and copyright page. No changes made to text.
v1.4	2001.06.22	Rewritten for name change, added Warning section and removed footnote and references to DOS RIP.



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