

# Calibration Routines for KODAK PROFESSIONAL ULTRA ENDURA Paper



## GENERAL INFORMATION

KODAK PROFESSIONAL ULTRA ENDURA Paper is optimized for both digital and optical printers. Significant testing has been done across a broad range of Kodak Professional and OM digital printers to validate satisfactory digital performance of KODAK PROFESSIONAL ULTRA ENDURA Paper.

### Kodak's Printer Calibrations for KODAK PROFESSIONAL ULTRA ENDURA Paper

To achieve optimal quality prints on KODAK PROFESSIONAL ULTRA ENDURA Paper with Kodak digital output devices such as the KODAK PROFESSIONAL Digital Multiprinter or the KODAK PROFESSIONAL LED II Printer, you must install new calibration files.

The latest calibration files for Windows NT and 2000 (V4.3) and Macintosh (V4.3) operating systems are available at [www.kodak.com/go/servicesupport](http://www.kodak.com/go/servicesupport). If your

printer does not have the newest calibration files, download and install them at this time. These files currently support: Laser printers, including:

- KODAK PROFESSIONAL RR 30 Laser Printer
- KODAK PROFESSIONAL RP 30 and SRP 30 Laser Printers

LED printers, including:

- KODAK PROFESSIONAL RP 50 LED Printer
- KODAK PROFESSIONAL LED II Printers 20R and 20P
- KODAK PROFESSIONAL LED Digital Color Printers 20R and 20P

CRT printers, including:

- KODAK PROFESSIONAL Digital Multiprinters (KPDM & KPDM II)
- KODAK DIGITAL SCIENCE LF CRT Color Printer
- KODAK 4" CRT Color Printer

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## Other Equipment Manufacturer's Printer Calibration for KODAK PROFESSIONAL ULTRA ENDURA Paper

The starting-point recommendations listed in the following table have yielded good image quality in prints on KODAK PROFESSIONAL ULTRA ENDURA Paper produced by other equipment manufacturers' digital output devices.

Printer	Calibration
<b>Cymbolic Sciences LightJet 5000, 430, and 500XL</b>	<ol style="list-style-type: none"> <li>1. Go to the Cymbolic Sciences FTP Site at <a href="http://www.cymbolic.com/ftp.html">www.cymbolic.com/ftp.html</a>.</li> <li>2. Log in as an anonymous user (or use your lab's service contract password).</li> <li>3. Select <b>Downloads / Photo / Media Targets</b>. Continue following the appropriate directory path for your printer until you reach the directory with the media aim files. The file will download to the location you choose. Double-click on the file to unzip it; files will be placed in the proper locations automatically.</li> </ol>
<b>Durst Lambda 130 and 76+</b>	Starting D-max: 2.45R, 2.30G, 2.22B (It is possible to obtain higher D-max in images that do not include text.) Basic Calibration settings: Y=83.6, M=36.3, C=0.00, D=127.9
<b>Durst Epsilon 30</b>	For best results, select HIQ or SIQ mode. Starting D-max: 2.35R, 2.25G, 2.15B Basic Calibration settings: D=0.867, C=0.000, M=0.1, Y=0.220
<b>Durst Theta 76</b>	Starting D-max: 2.35R, 2.25G, 2.15B Basic Calibration settings: D=1.038, C=0.0, M=0.163, Y=0.366
<b>Durst Zeta</b>	Please contact Bill Conger at Durst Dice America, telephone (585-) 486-0340, extension 5291.
<b>Fuji Frontier 340</b>	We recommend that you use KODAK PROFESSIONAL ULTRA ENDURA Paper to calibrate the printer channel that you plan to use. If you don't have a recommended channel that you normally use, please start testing with Channel H. <ol style="list-style-type: none"> <li>1. Load ULTRA ENDURA Paper into the paper magazine that you will use to print.</li> <li>2. From the <b>Setup and Maintenance</b> menu, select <b>Print Condition Setup and Check</b>. Then select <b>Paper Condition Setup</b> to perform a standard calibration.</li> </ol>
<b>Noritsu QSS-2711 and Noritsu MP1600</b>	Setting up a Channel for KODAK PROFESSIONAL ULTRA ENDURA Paper <ol style="list-style-type: none"> <li>1. Set up a paper channel with ULTRA ENDURA Paper, using the normal Setup procedure. This setup includes MLVA Setup, Uniformity, and Gamma tests.</li> <li>2. If any color changes are needed, enter them using the Magazine Balance function on the NORITSU MP1600 printer.</li> </ol>
<b>Noritsu R2R-1100, R2R-1400 PRO, QSS29XX, QSS30XX, QSS31XX, QSS31 PRO, QSS32XX, QSS33XX, QSS34XX</b>	<ol style="list-style-type: none"> <li>1. Select the Paper Type called ULTRA ENDURA.</li> <li>2. Proceed with paper registration and other calibration procedures as documented in the Noritsu manuals.</li> </ol>
<b>Polielettronica LASERLAB</b>	<ol style="list-style-type: none"> <li>1. Set these starting Laser Maximum Density values: Y=198, M=156, C=124.</li> <li>2. Starting Color Compensation Values Y=0.98, M=0.91, C=1.00.</li> <li>3. Proceed with the manufacturer's standard paper calibration procedure.</li> </ol>
<b>ZBE Chromira</b>	Select <b>Kodak</b> on the <b>Emulsion</b> menu, and enter: D-max Aim: 2.45R, 2.45G, 1.99B Starting Calibration Values: (C) 0, (M) 47, (Y) -45, (D) -22 Then follow the standard paper calibration procedure.



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