



V4.70x

Summary of Firmware Release

This document summarizes the following V4.50 and 4.70x firmware releases:

| Firmware Release Number | Release Date | See Page |
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| V4.70D | 24 October 2011 | page 1 |
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| V4.41 to 4.50 | — | page 3 |



Note •

- LP 2824 and TLP 2824 printers manufactured after 05-30-2011 will load V4.70D.
- LP 2824 and TLP 2824 printers manufactured before 05-29-2011 will load V4.70.

V4.70D

Release Date: 24 October 2011

This firmware release includes all features of the previous V4.70 release. It is for use with the following EPL printer models:

- LP 2824™
- TLP 2824™

| Firmware Type | Description |
|---------------|---|
| GENERIC | Supports Line Mode (EPL1). Does not support Datamatrix or Aztec barcodes. |
| DATAMATRIX | Does not support Line Mode (EPL1). Supports Datamatrix Barcode symbology and Aztec |
| CHINESE | Does not support Line Mode (EPL1). Combination of Traditional and Simplified. Font 8 and Font 9 |
| JAPANESE | Does not support Line Mode (EPL1). Both Katakana and Kanji. Font 8 and Font 9 |
| KOREAN | Does not support line mode. (EPL1) Korean font is Font 8. |

Issues Corrected

None.

Changes

- Firmware updated to support both older printers and newer printers

V4.70

Release Date: 15 May 2006

This firmware release includes all features of the previous V4.44 release. It is for use with the following EPL printer models:

- LP 2824™
- TLP 2824™

New Features

- The head up sensor can now be enabled or disabled. The default condition is enabled. The command to disable the head up sensor is Oh0. The command to reenble the head up sensor is Oh1.
- Updated EAN128 barcode application identifiers, series 4xx, 7xxx, 8xxx and 90.
- Enabled ^ee processing during USB communications. This allows status to be returned during media out and other printer busy conditions.
- Changed the behavior of the power on autosense. The printer no longer switches to continuous mode if no gap or black line is detected.

Issues Corrected

- Corrected an issue that caused descenders on some Japanese and Korean fonts not to print correctly.
- Corrected an issue where the timestamp string (TT) was corrupted in a Code128 barcode.
- Corrected an issue relating to the compaction of Datamatrix barcodes. Some barcodes will now appear smaller in size due to the correction in the compaction algorithm.
- Corrected an issue where a combination of JB, Qx,0 with x less than 96 did not detect media out.
- Corrected a PDF417 issue where a combination of parameters and data produced a non scannable symbol or no symbol at all.
- Corrected an issue where MSI barcodes produced at 90 or 270 degrees would not scan.
- Corrected an issue where double responses to the ^ee command could occur over the USB port.
- Improved the USB communications to handle more ^ee requests.
- Adjusted the cut position so cuts are made in the center of the gap.
- Corrected an issue in RSS barcodes that caused human readable data to be corrupt if the data was all zeros.
- Corrected an issue that caused a fatal error in the printer if the data in a form based RSS Limited barcode exceeded the maximum limit.
- Corrected an issue where the second buffer was not cleared correctly when using double buffering and forms without counters.
- Adjusted continuous mode sensor threshold to prevent false media out conditions.

- Corrected an issue that caused barcode human readable text to be inverted (white on black) if it followed a text field that was inverted.
- Corrected an issue when using black line media and ZB mode that could cause a mis-positioned image or label skipping.
- Corrected errors in the media stepping that could occasionally cause positioning errors.
- Corrected an issue that caused some incorrect characters to be printed when using internal fonts 1, 2 or 3 and code page 850.

V4.41 to 4.50

The following summarizes the enhancements and corrections to firmwae versions 4.41 to 4.10 for the LP 2824 and TLP 2824 printers.

| Enhancements | Description |
|-------------------------|---|
| Flash Memory Protection | A new flash memory protection system has been introduced to prevent unintentional changes to critical flash memory areas. Sensitive memory areas are protected from “write” operations by the Flash Operating System. |
| ^default command | Command is executable in Line Mode. |

| Fixes | Description |
|--|---|
| PDF417 Centering | The centering algorithm for parameter f1 has been corrected. |
| Auto Print Function | Resolved image corruption when using auto print function in a form. |
| PDF417 Printing | Printer will not hang up if barcode data is exactly 3072 characters. |
| PDF417 Printing | Label will print without the PDF417 barcode if PDF 417 barcode data exceeds 3072 characters. |
| PDF417 Printing | Improved compaction efficiency for PDF417 barcode. |
| PDF417 Printing | Preclearing location on label corrected barcode readability and required quiet zone area around PDF417 barcode. |
| PDF417 Printing | Improved compaction mode selection algorithms to minimize symbol size. |
| Printing Downloaded Font | Positioning error in the middle of string when printed in 180 degree rotation. |
| Small Label Printing | Resolved printer stalling during small label printing operation. |
| Ribbon Out Detection with Continuous Media | Detection of ribbon out condition with continuous media corrected. |
| Jewelry Label Printing | Offset value correction to allow proper printing on “dumbbell” style jewelry label media. |
| Ribbon Out Detection with Polyester Media | Implemented new ribbon check process for ribbon slippage on polyester media. |
| ‘oR’ Command | The ‘oR’ command now functions with 7-bit code pages. |
| Cutter operation | Cutter operating while head lifted during cut operation resolved. |

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V4.41 to 4.50

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