FZ8MG.xx.xx.xx
Summary of Firmware Releases

This document summarizes the following Z8MG.xx.xx.xx firmware releases

Firmware Release Number	Release Date	See Page
FZ8MG.04.04.00	24 March 2017	Page 1
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FZ8MG.04.04.00 General Release

Release Date: 24 March 2017

This firmware is for use with the following printer model:

- ZXP Series 8

Issues Corrected:

- Resolve issue regarding endless ribbon synchronization loop.

FZ8MG.04.03.00 General Release

Release Date: 14 August 2013

This firmware is for use with the following printer model:

- ZXP Series 8

Important: This is a sustaining firmware release for the ZXP Series 8 Retransfer printer that fixes several reported customer use issues, improves production yield for the ribbon detect subsystem, further enhances the Custom 1 & 2 card setting feature and provides optimized speed and temperature settings for Zebra's Retransfer Ready Cards. Version 04.03.00 of the firmware is being released in conjunction with a new ZXP Series 8 Driver version DZ8CG.05.00.00.00.

It is strongly recommended that customers download and install both the new ZXP Series 8 firmware and driver together to take advantage of the important changes. Note: due to a bug found in v3.01.00 FW related to WiFi operation, v4.03.00 FW has fixed the bug, for users who operate in WiFi, it will be necessary to download v4.03.00 FW with either Ethernet or USB.

Note: The Firmware upgrade procedure for v04.03.00 has been slightly modified from previous versions. Carefully read the instructions below. It is required that the user follow the instructions below to ensure proper installation and operation.

1. *For ZXP Series 8 Retransfer and Secure Issuance printers (Z81 / Z82 Models Only)* – First, cycle power and wait until initialization is complete. Next, upgrade the main printer controller board using the file labeled ZXP-Series-8-Firmware- R4.03.00 For Printers Only. Once the firmware upgrade is finished, cycle power again to complete the upgrade process.

2. *For ZXP Series 8 Retransfer printers (Z83 / Z84 Models Only) with Laminator* - First, cycle power and wait until initialization is complete. Next, upgrade the main printer controller board using the file labeled ZXP-Series-8-Firmware-R4.03.00 For Printers Only. Once the main printer controller board firmware is upgraded, cycle power the printer. Lastly, after the printer has completed its initialization process, upgrade the laminator main controller board using the file labeled ZXP-Series-8-Firmware-R4.03.00 For Printers with Laminator. A power cycle is not necessary upon upgrading the laminator main controller board.

Changes

- Improved Bitmap resolution to ensure the following characters would be displayed. (Fixed character font for Ì, Í and Û characters so that these characters will display correctly.)
- In support of printhead field replacement, implemented a firmware improvement to ensure proper image printing after changing the printhead serial number ('proper' meaning not light image quality). Fixed problem with light printing after setting printhead serial number.
- Implemented firmware change to properly reflect in the OCP error conditions for error code '5008' ribbon authentication and '4017' InTM authentication; new OCP text 'Invalid Media'. (Change media authentication failure message on OCP from INVALID MAC to INVALID MEDIA.)
- Implemented firmware settings for 'Retransfer Ready' cards. Added 4 retransfer-ready cards.
- Implemented firmware enhancement to the printhead initialization sequence with retries to minimize false printhead motion error. (Enhancements for printhead initialization to try initialization 3 times, if there is a jam, before asserting a printhead motion error.)

Issues Corrected

- Correction to timing to prevent printer reset when sending Wi-Fi jobs.
- Tri-color Detection Improvement - Implemented variable threshold for discriminating color panel from clear panel.
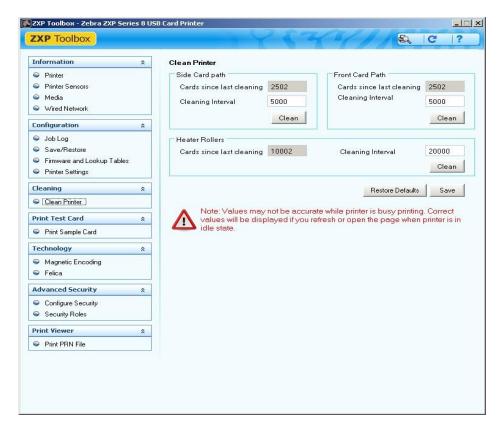
- Implemented firmware improvement to error handling of out of ribbon condition. (Fix for case where out of ribbon recovery causes next card to print OK; but, subsequent jobs are printed with not all of the color panels, followed by jobs that are just blank cards
- Implemented firmware change to remove image 'horizontal line' artifact. Results in only initializing the printhead position when necessary (i.e., just prior to applying pre-print tension for the first print job that is received after exiting standby).
- Implemented firmware change to include 'grayscale' support for the following
- ribbons: YMCKI, YMCKKI and YMCUvK.
- Implemented a firmware enhancement to overcome improper card reject count. Now properly reflects actual number of cards present in reject bin.

For Your Information:

Due to the nature of certain firmware changes made in version 4.03.00, when upgrading the ZXP8 firmware from an older version of firmware, the user may notice a change in some values related to cleaning the printer. As reported in the Toolbox, the values for "Cards since last cleaning" will now be set to one-half of the "Cleaning Interval" value.

In the example below, the firmware was upgraded, the counts were reset to one-half of the cleaning intervals (2500, 2500, and 10000, for the Side Card Path, Front Card Path, and Heater Rollers, respectively), and two cards were printed, resulting in the values seen below.