ZC100/300 Series Card Printer
Firmware Release Notes
V201.01.15

This document summarizes the following firmware releases:

Firmware	Release Date
V201.01.15	November 19, 2021
V201.01.14	September 18, 2020
V201.01.13	April 10, 2020
V201.01.11	October 11, 2019
V201.01.10	September 9, 2019
V201.01.08	July 26, 2019
V201.01.07	May 10, 2019
V201.01.06	January 2, 2019
V201.01.05	October 5, 2018
V201.01.03	July 16, 2018
V201.01.01	March 12, 2018

Printer Models: ZC100/300 Series Card Printer

Firmware Release history

Firmware: V201.01.15

Release Date: November 19, 2021

Features:

Issues Corrected:

- Network security update
  - Update network libraries
  - Set SNMP community name
- Improved UHF encoding reliability
  - Change UHF X default offset from -25 to -80
  - Increase transmission power

Known Issues:

- PPME not supported.

Changes:

The corresponding STM32 versions are:

Sensor	V201SM.21.13
Feeder/UI	V201FU.04.00
Flipper	V201FM.14.02
Mag	V201OM.15.06

P1091262-003

Firmware: V201.01.14

Release Date: September 18, 2020

Features:

- Added Mexico to the UHF Country Code list.

Issues Corrected:

- Resolved a printhead motion error that sometimes occurred when printing with monochrome ribbon, depending on the image location on the card.

Known Issues:

- No.

Changes:

The STM32 versions in 201.01.14 are:

- Sensor V201SM.21.13
- Feeder/UI V201FU.04.00
- Flipper V201FM.14.02
- Mag V201OM.15.06

Firmware: V201.01.13

Release Date: April 10, 2020

Features:

- Remove support for transparent card sensing.

Issues Corrected:

- Improve webpage loading speed on slow networks.
- Resolve faint white line occasionally printed on selected images when printing with full YMC panels.
- Improve flipper performance, reducing card jams.

Known Issues:

- No.

Changes:

The STM32 versions in 201.01.12 are:

- Sensor V201SM.21.13
- Feeder/UI V201FU.04.00
- Flipper V201FM.14.02
- Mag V201OM.15.06

Firmware: V201.01.11

Release Date: October 11, 2019

Features:

- Firmware download speed improvement through Printer Web Server Pages.

Issues Corrected:

- None

Known Issues:

- Image placement and mis-registration degradation with transparent cards.

Changes:

The STM32 versions in 201.01.11 are:

- Sensor V201SM.21.12.7702
- Feeder/UI V201FU.04.00.0000
- Flipper V201FM.14.01.7771
- Mag V201OM.15.06.7685

Firmware: V201.01.10

Release Date: September 9, 2019

Features:

- None

Issues Corrected:

- Printer may fail to authenticate ribbon in some use cases.

Known Issues:

- Image placement and mis-registration degradation with transparent cards.

Changes:

The STM32 versions in 201.01.10 are:

- Sensor V201SM.21.12
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.01
- Mag V201OM.15.06

Firmware: V201.01.08

Release Date: July 26, 2019

Features:

- Transparent card support
  - Monochrome and spot color printing recommended
- Printer Web Server Pages
  - Full printer configuration with Security features

Issues Corrected:

- A ribbon jam may occur when printing a bitmap image with the YMCKLL ribbon (fixed with 1.07.00 Driver).
- Printer must be power cycled if cleaning is cancelled before the ribbon is removed.
- With the Wireless option installed, the Zebra splash screen may not turn off after printer initialization completes.
- If one of the magnetic encoding tracks fails to encode, a Mag Verify error is not being declared during verification (user not notified of error).
- When a 9002 Mag Write Error or 9004 No Mag Stripe error occurs while the printer is in Manual Feed mode, the light pipe does not light up after the error and the user is unable to immediately insert another card to retry the job.

Known Issues:

- Image placement and mis-registration degradation with transparent cards.

Changes:

The STM32 versions in 201.01.08 are:

- Sensor V201SM.21.12
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.01
- Mag V201OM.15.06

Firmware: V201.01.07

Release Date: May 10, 2019

Features:

- UHF Encoding support
- UHF Encoding over Ethernet support
- PPME Support

Issues Corrected:

- Monochrome image length is longer than K panel image length (on average, 4 pixels longer).
- Silver panel of SDYMCKO ribbon may not be detected properly at beginning of roll.
- White monochrome ribbon fails to synchronize.
- When encoding a card with no magnetic stripe, the printer will not present a No Mag Stripe error.
- When using hex encoding, data encoded on the card does not match the data sent to the printer (customer is not notified that card is incorrectly encoded).
- Printhead motion error occurs when printing certain images with half panel ribbon.

Known Issues:

- A ribbon jam may occur when printing a bitmap image with the YMCKLL ribbon (reduce L panel intensity to prevent ribbon jam).
- Printer must be power cycled if cleaning is cancelled before the ribbon is removed.
- With the Wireless option installed, the Zebra splash screen may not turn off after printer initialization completes (power cycle printer to run initialization again).

- If one of the magnetic encoding tracks fails to encode, a Mag Verify error is not being declared during verification (user not notified of error).
- When a 9002 Mag Write Error or 9004 No Mag Stripe error occurs while the printer is in Manual Feed mode, the light pipe does not light up after the error and the user is unable to immediately insert another card to retry the job (open and close the input hopper after the failure to activate the light pipe and a card can be inserted).

Changes:

The STM32 versions in 201.01.07 are:

- Sensor V201SM.20.04
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.01
- Mag V201OM.15.04

Firmware: V201.01.06

Release Date: January 2, 2019

Features:

None.

Issues Corrected:

- Print artifacts, white or black horizontal lines across card, noted in rare instances when upgrading from FW V201.01.03 to FW V201.01.05.

Known Issues:

- When a new KdO ribbon is loaded, the ribbon synchronizes, it is possible that the image count does not decrement during synchronization (extra images on ribbon compensate for ribbon/counter offset of 1).
- Monochrome image length is longer than K panel image length (on average, 4 pixels longer).
- A ribbon jam may occur when printing a bitmap image with the YMCKLL ribbon (reduce L panel intensity to prevent ribbon jam).
- The silver panel of SDYMCKO ribbon may not be detected properly at beginning of roll (advance ribbon 5–10 panel sets and sensor should detect ribbon).
- When encoding a card with no magnetic stripe, the printer will not present a No Mag Stripe error.
- When using hex encoding, data encoded on the card does not match the data sent to the printer (customer is not notified that card is incorrectly encoded).
- Printer must be power cycled if cleaning is cancelled before the ribbon is removed.

Changes:

The STM32 versions in 201.01.05 are:

- Sensor V201SM.20.00
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.01
- Mag V201OM.15.04

Firmware: V201.01.05

Release Date: October 5, 2018

Features:

- Wireless connectivity support.
- Magnetic stripe encoding improvements.
    - Magnetic stripe DSP (Digital Signal Processing) improvements.
    - Magnetic stripe erase before encoding option.
- S-NTP (Simple Network Time Protocol) support.
- SNMP MIB (Simple Network Management Protocol, Management Information Base) updates.
    - Improved support for SNMP device management over a network.

Issues Corrected:

- Image offset between S and YMC panels when printing with the SDYMCKO ribbon.
- K panel light printing with SDYMCKO ribbon when not printing over dye receptive panel.
- Card Jam occurs when the print job is missing required elements.
- Printing a sample card from the OCP when the printer is in Manual Feed mode results in a Card Feed Fail message.
- Switching DHCP off or on from the USB connection while Ethernet is also connected results in the USB connection going offline.
- With SNMP off, the printer is still discoverable after power cycling the printer.

Known Issues:

- When a new KdO ribbon is loaded, the ribbon synchronizes, it is possible that the image count does not decrement during synchronization (extra images on ribbon compensate for ribbon/counter offset of 1).
- Monochrome image length is longer than K panel image length (on average, 4 pixels longer).
- A ribbon jam may occur when printing a bitmap image with the YMCKLL ribbon (reduce L panel intensity to prevent ribbon jam).
- The silver panel of SDYMCKO ribbon may not be detected properly at beginning of roll (advance ribbon 5–10 panel sets and sensor should detect ribbon).
- When encoding a card with no magnetic stripe, the printer will not present a No Mag Stripe error.
- When using hex encoding, data encoded on the card does not match the data sent to the printer (customer is not notified that card is incorrectly encoded).
- Printer must be power cycled if cleaning is cancelled before the ribbon is removed.

Changes:

The STM32 versions in 201.01.05 are:

- Sensor V201SM.20.00
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.01
- Mag V201OM.15.04

Firmware: V201.01.03

Release Date: July 16,2018

Features:

- Ribbon synchronization optimizations. To conserve ribbon panels, the printer will no longer synchronize ribbon when:
  - Printer powers up to Reject Bin Full and Clean Printer errors.
  - Printer initializes to any error that occurs before ribbon sync.
- Support for third-party Zebra Integration Pocket (ZIP) contactless smart card encoder.
- Support for smart card Encoding over Ethernet (EoE).
- Driver support for bit map image printer using the new YMCKLL (Long Life) ribbon.
- Cleaning routine improvements for the manual feed roller, printhead, and magnetic stripe encoder.

Issues Corrected:

- Sample cards printed from the operator control panel (OCP) using ribbon types other than YMCKO are not appropriate for all the respective ribbon types and do not use all the panels available (such as SDYMCKO).
- Varnish bleed when printing a bitmap image with the long life YMCKLL ribbon.
- Two panels sets are being consumed during ribbon synchronization with KdO and KrO ribbon (expected printer operation for two-panel ribbons, extra ribbon panels included to compensate).
- Printer lock-up error when printing a test card from the OCP using a KdO or KrO ribbon is cleared by a power cycle.
- Power LED behavior is incorrect as it turns red whenever an error is present in the printer.

Known Issues:

- Image offset between S and YMC panels when printing with the SDYMCKO ribbon.
- K panel light printing with SDYMCKO ribbon when not printing over dye receptive panel.
- Card Jam occurs when the print job is missing required elements (SDYMCKO test card missing required elements).
- New KdO ribbon inserted on the clear leader only synchronizes 1 panel set and the remaining image count does not decrement (extra images on ribbon compensate for ribbon/counter offset of 1).
- Monochrome image length is longer than K panel image length (on average, 4 pixels longer).
- Printing a sample card from the OCP when the printer is in Manual Feed mode results in a Card Feed Fail message (place cards in hopper before printing sample cards from the OCP).
- Printer must be power cycled if cleaning is cancelled before the ribbon is removed.
- Switching DHCP off or on from the USB connection while Ethernet is also connected results in the USB connection going offline (turn printer off/on to clear).
- With SNMP off, the printer is still discoverable after power cycling the printer.

Changes:

The STM32 versions in 201.01.03 are:

- Sensor V201SM.20.00
- Feeder/UI V201FU.04.00
- Flipper V201FM.13.00
- Mag V201OM.14.00

Firmware: V201.01.01

Release Date: March 12, 2018

Known Issues:

- Sample cards printed from the operator control panel (OCP) using ribbon types other than YMCKO are not appropriate for all the respective ribbon types and do not use all the panels available (such as SDYMCKO).
- Varnish bleed when printing a bitmap image with the long life YMCKLL ribbon.
- Image offset between Sr and YMC panels when printing with the SDYMCKO ribbon.
- Two panels sets are being consumed during ribbon synchronization with KdO and KrO ribbon (additional panel sets have been included with the ribbon to account for this).
- Printer lock-up error when printing a test card from the OCP using a KdO or KrO ribbon. The error is cleared by a power cycle.
- Power LED behavior is incorrect as it turns red whenever an error is present in the printer.