

Release History

Evolis Firmware

Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Altess, Altess Elite, Issengo

Evolis is conducting for many years now a general policy to improve the quality and features of his printer range. This document describes modifications and improvements from original firmware to the latest available from Evolis website.

SUMMARY

Last version available — VERSION 2329 (44BB) – AUGUST 24, 2023

Previous versions
VERSION 2247 (33C8) – FEBRUARY 16, 2023
VERSION 2226 (311E) – JUNE 29, 2022
VERSION 1957 (148B) – FEBRUARY 23, 2022
VERSION 1955 (276B) – DECEMBER 20, 2021
VERSION 1949 (6835) – MAY 26, 2021
VERSION 1947 (5A3A) – MAY 05, 2021
VERSION 1943 (4398) – DECEMBER 09, 2020
VERSION 1939 (E24E) – JULY 15, 2020
VERSION 1935 (855E) – NOVEMBER 22, 2019
VERSION 1802 (0389) – NOVEMBER 30, 2018
VERSION 1801 (0431) – APRIL 04, 2018
VERSION 1709 (C9C1) – MARCH 14, 2017
VERSION 1701 – JANUARY 20, 2017
VERSION 1652 – JANUARY 18, 2017
VERSION 1618 – SEPTEMBER 02, 2016
VERSION 1614 – MAY 30, 2016
VERSION 1604 – FEBRUARY 18, 2016
VERSION 1526 – JULY 10, 2015
VERSION 1506 – FEBRUARY 13, 2015
VERSION 1441 – OCTOBER 14, 2014
VERSION 1413 – MARCH 04, 2024
VERSION 1346 – NOVEMBER 15, 2013
...

Original version — VERSION 1136

August 24, 2023

VERSION 2329 (44BB)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Altess, Altess Elite, Issengo

Enhancements

- Improvement of panels bitmap download management (wait for K panel reception before printing YMC panels).
- Improve ethernet connexion to stabilize printer Supervision.
- Improvement for kineclipse with overlay. This improvement is only available for printers equipped with kineclipse.
- Addition of a new print mode to improve print on black cards: Ppmm;4;0 / Ppmm;4;1.
- Addition of Pimk command for printers without reject box under the feeder.

Bug fix

- Fix Dm command : limit of characters.

Important information

⚠ **2329 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD firmware 2232: LCD_X20_PKG_2232.lcdfirm
- LCD Bitmap 2.02: Dark_2.02_DDCE.lcdbmp

February 16, 2023

VERSION 2247 (33C8)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Altess, Altess Elite, Issengo

Enhancements

- Management of new lcd references.
- Improve card insertion parameters, add new parameters for Pimk command (Pimk;1 / Pimk;2 / Pimk;3). This improvement is only available for printers equipped with feeder locking system, and for KC100/KC200.

Zenius

- Add possibility to enable/disable Card JAM at boot for Zenius (Pspm;CJ, Psm;N).

Bug fixes

- Fix Pfuf command result.
- Fix Blackwax ribbon countdown.

Important information

For printer equipped with following module, below update are mandatory:

- LCD firmware 2232: LCD_X20_PKG_2232.lcdfirm
- LCD Bitmap 2.02: Dark_2.02_DDCE.lcdbmp

June 29, 2022

VERSION 2226 (311E)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Altess, Altess Elite, Issengo

Enhancements

- Support new RFID Reader (AT88RF1354 and SLRC663).
- Improve ribbon end detection.
- Improve kineclipse printing.
- Improve SOKO synchronizing.
- Add new mode to help the printing on difficult card (Pdcm, Rdcm).
- Add power off management for embedded PC cards (IMB, Raspberry).
- Add number of retry counter of the card transfer from feeder to flip.
- Add LCD information if the power supply is not compatible with your printer (power voltage to low).

Elypso

- Add options to Pel and Rel commands to adjust ejection length for Elypso.
- Adapt the black contrast to help small characters printing.
- Adapt the black contrast for 600 and 1200 DPI printing.

Bug fixes

Elypso

- Fix INF_RIBBON_LOW management
- Fix Mag test card sequence for Elypso.
- Fix uBlox WiFi module detected randomly
- Correct and complete Mag documentation (Command Pmt, Pmtc, Rmt, Pmf, Rmf, Pmms, Rmms, Pmc, Pmd, Pmd, Pmts, Rmts, Pmbs, Rmbs, Pml, Rml, Dm, Rmw, Smw, Smr, Rmb, Rmmb, Rspmb, Rmr, Plmr, Rlmr)

Important information

⚠ **2226 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD firmware 2148: evoLCD_2148_5FFD.lcdfirm
- LCD Bitmap 2.02: Dark_2.02_DDCE.lcdbmp

February 23, 2022

VERSION 1957 (148B)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Issengo

Bug fix

- Fix wrong error message when printing technical test card with a KO ribbon.

Important information

⚠ **1957 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD firmware 1955: evoLCD_1955_EAEE.lcdfirm
- LCD Bitmap 1.55: Dark_155_D5E3.lcdbmp

December 20, 2021

VERSION 1955 (276B)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Issengo

New feature

- Compliance with the latest Evolis Premium Suite and Edikio Printer Suite release 6.36.0.1678

Enhancement

- Rlr command modifications.

Important information

⚠ **1955 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: evoLCD_1943_3660.lcdfirm

May 26, 2021

VERSION 1949 (6835)

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

Bug fix

- Correction of sensor issue during start sentinel adjustment (Samss) for printers set in manual insertion mode.

Important information

⚠ **1949 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: 1909 – (evoLCD_1909_03B1.lcdfirm)
- Lamination Module: 1920 – (1920_LAM_V2.45_0DC1.lamfirm

May 05, 2021

VERSION 1947 (5A3A)

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

Enhancements

- Improved adjustment of the magnetic ISO start sentinel (Samss command).
- Changed the way to synchronize the magnetic card before encoding to improve the accuracy of the encoding.
- Add the 'sf' and 'sb' parameters in Pmes command to set the mag synchronization direction ('sf': forward / 'sb': backward).

The previous default mag synchronization direction was the forward direction ('sf' param). Downloading the 1947 firmware won't automatically change this parameter (keep the forward direction). To set the mag synchronization in backward direction, the Pmes;sb command must be sent to the printer once.

NOTE: After changing the synchronization direction, the user must launch a magnetic adjustment (EPS wizard or Samss;P command).

[WARNING] Changing the mag synchronization direction causes a reset (default value) for several variables:

	command	default forward value	default backward value
mag_start	Rmbs	183	850
mag_lentgh	Rml	1036	1048
adjust_mag_start_shift_hico_loco	Rams;s	2	0

Important information

⚠ **1947 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: 1909 – (evoLCD_1909_03B1.lcdfirm)
- Lamination Module: 1920 – (1920_LAM_V2.45_0DC1.lamfirm

December 09, 2020

VERSION 1943 (4398)

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B | Edikio Flex | Edikio Duplex

Enhancements

- Black panel shifting issue improvement YMCKO and other color ribbons (add new commands: Pmsh, Rmsh).
- Improvement of ESD discharge efficiency by adding options for Sis and Sic commands.
- Add voltage measurement at every printed card to improve voltage compensation.

Bug fix

- Insert/Eject management in a specific case of card batch.

Important information

⚠ **1943 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: 1909 – (evoLCD_1909_03B1.lcdfirm)
- Lamination Module: 1920 – (1920_LAM_V2.45_0DC1.lamfirm)

July 15, 2020

VERSION 1939 (E24E)

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B | Edikio Flex | Edikio Duplex

Enhancements

- Black panel management improvement.
- Zoning management improvement.
- Ejection card timing improvement.

Bug fix

- Ribbon synchronization.

Important information

⚠ **1939 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: 1909 – (evoLCD_1909_03B1.lcdfirm)
- Lamination Module: 1920 – (1920_LAM_V2.45_0DC1.lamfirm)

November 22, 2019

VERSION 1935 (855E)

Supported printers: Zenius | Primacy 1 | Elypso | Edikio Flex | Edikio Duplex

New features

- New Wi-Fi Module management.
- New Bezel management.
- New commands.

Enhancements

- Power supply management.
- Communication mode management (USB stack and TCP/IP stack).
- Card Insertion and ribbon management.
- Printing with white area.
- Edikio: management and printing speed of white ribbon.

LCD

- Improve language management.
- Improve message box management.
- Modify some messages to be coherent with EPS message.

Important information

⚠ **1935 firmware version cannot be downgraded** to previous firmware version.

For printer equipped with following module, below update are mandatory:

- LCD: 1909 – (evoLCD_1909_03B1.lcdfirm)
- Lamination Module: 1920 – (1920_LAM_V2.45_0DC1.lamfirm)

November 30, 2018

VERSION 1802 (0389)

Supported printer: Edikio Flex

New feature

- Print quality improvement (equivalent as Edikio Duplex printer).

Important information

⚠ 1802 firmware version concerned only **Edikio flex.**

April 04, 2018

VERSION 1801 (0431)

Supported printers: Zenius, Primacy 1, Elypso, KC200, KC200B, Edikio Flex, Edikio Duplex, Issengo

New features

Edikio Flex

- Unified to be compliant with Edikio Flex printer.
- Add card format auto-detection (limited to 210mm).

Enhancements

- Edikio: management and printing speed of white ribbon.
- New ribbon insertion management.
- “Escape” commands.
- Communication between LCD and printer.
- Ribbon’s management (SOKO, YMCKO).
- LCD management and messages.
- LCD communication.
- Ethernet management.
- Error management.
- Card’s transportation management.

Issengo

- Cards’ feeding for Issengo.
- Kineclipse management.
- Locking system management.

Bug fixes

- Test card printout.
- 600 DPI resolution management.

Important information

For printer equipped with following module, below update are mandatory:

- LCD: 1743 – (evoLCD_1743_C9C2.lcdfirm)
- Lamination Module: 1.55 – (Dark_155_D5E3.lcdbmp)

March 14, 2017

VERSION 1709 (C9C1)

Supported printer: Edikio Duplex

New feature

- Compliance with Edikio Duplex printer

Important information

⚠ 1709 firmware version concerned only **Edikio Duplex.**

January 20, 2017

VERSION 1701

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

Enhancement

- Memory initialization improvement for all printers manufactured originally with firmware version older than 1604.

Important information

⚠ **1701 firmware version cannot be downgraded** to previous firmware version.

January 18, 2017

VERSION 1652

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

New features

- Alternate ribbon management (lamination film).
- Locking system management.
- Commands sequence management.

Enhancements

- Lamination module management.
- LCD management improvement.
- Overlay management.
- Black mark detection on KO ribbon.
- Card Lamination Module “black mark” sensor adjustment.
- Status displayed on LCD during encoding.
- Ethernet communication.
- USB data transfer.
- Magnetic data encoding.

Important information

⚠ **1652 firmware version cannot be downgraded** to previous firmware version.

September 02, 2016

VERSION 1618

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

Enhancements

- Monochrome ribbon management with 600 – 1200 DPI resolution.
- Improvements of LCD display management.

Bug fixes

- Limitation of current peak (110v-120 Volts) sent by the power supply.
- Half YMCKOKO ribbon synchronization issue.

May 30, 2016

VERSION 1614

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

New feature

- Compatible with LCD option.
- New Monochrome speed feature.

Enhancements

- Ethernet communication improvement.

Important information

⚠ **1614 firmware version cannot be downgraded** to previous firmware version.

February 18, 2016

VERSION 1604

Supported printers: Zenius | Primacy 1 | Elypso | KC200 | KC200B

KC200 KC200B

New feature

- Add support for new Evolis KC200 and KC200B printer.

Enhancements

- TCP/IP communication improvement.
- Unichroma ribbon management for CORE product.
- Advanced cleaning speed management with the ‘T’ card.
- SOKO ribbon synchronization improvement.
- 600 and 1200 DPI printing improvement.
- Network IP address on technical test card.
- Ribbon compatible Zoning.
- Magnetic encoding message improvement with JIS configuration.
- Improvement of returns message with the ‘Sa’ command.
- Improvement of command to disable Low Card Sensor.
- Improvement of returns message with the ‘St ‘or ‘Stt’ commands when the printer is locked.
- Printing improvement with yellow contrast setting higher than 12.
- Printing improvement in double side with YMCKOK ribbon.

Important information

⚠ **1604 firmware version cannot be downgraded** to previous firmware version.

July 10, 2015

VERSION 1526

Supported printers: Zenius | Primacy 1 | Elypso

New feature

- New option of 300x600 DPI and 300x1200 DPI resolution for monochrome ribbon.
- New option of 300x600 DPI resolution for color ribbon.
- Add Rlr;e command to detect the ribbon end.
- Add feeder configuration to set the motor speed for standard hopper or manual hopper.
- Add command Rdram.
- Add commands Pcsc and Rcsc to set the cleaning step.
- Add commands to manage the near empty sensor.
- Add specific sequence for Ethernet download in 600 and 1200 dpi mode.

Enhancements

- Web Page correction.
- RFID tag's data reading Improvement.
- Quality Improvement on half panel ribbon.
- Ethernet communication improvement.

Important information

⚠ **1526 firmware version cannot be downgraded** to previous firmware version.

February 13, 2015

VERSION 1506

Supported printers: Zenius Primacy 1 Elypso

New feature

- Add command Scp;Mag to clean magnetic head only.

Enhancements

- Internal font replacement.
- Hopper full detection improvement.
- USB enumeration change, now the device is seen as USB2.0.
- Web page improvement (standby/sleep mode settings).
- Ethernet communication improvement.
- Magnetic head cleaning improvement.
- Quality Improvement on half panel ribbon.
- USB communication improvement for Linux.

October 14, 2014

VERSION 1441

Supported printers: Zenius Primacy 1 Elypso

New feature

- New option on the Rlr command to know the hopper full state. “Rlr;h” will returns CARD or NO CARD. Rlr;h;1 will return 1 (full) or 0 (empty).

Enhancements

- Improvement on SOKO and 1/3 YMCKOK ribbon synchronization.
- Improvement of hopper sensor sensibility.
- Monochrome compressed bitmap (Dbc) compatibility improvement.
- Improvement of Dbmp over Ethernet for Linux Operating System.
- Ethernet communication improvement for quicker answer of the printer.
- Better card detection sharpness in the flip-over module.

March 04, 2014

VERSION 1413

Supported printers: Zenius Primacy 1 Elypso

New features

- Sa;c command now available with KO ribbon.

if the Sa;c command is sent with a KO ribbon, ensure to send again a Sa;c command if you replace the KO ribbon by a YMCKO

- Add new special ribbons for project only.

Enhancements

Elypso

- Printing quality correction (same quality level as Primacy).
- Half YMCKO ribbon management improvement.
- Improved “non-standard” printing sequence like YKO/KO with YMCKO ribbon.
- Increased general color ribbon synchronization.
- Motor management during magnetic encoding phase.
- Cleaning card detection.
- Improved panel count (more accurate) in case of specific printing sequence.
- Improved sleep mode management (prevent printer restart when going to sleep mode).

Important information

⚠ **1413 firmware version cannot be downgraded** to previous firmware version.

November 15, 2013

VERSION 1346

Supported printers: Zenius Primacy 1 Elypso

Enhancements

- Ribbon synchronization feature command Prm;3;[0 or 1].
  0 no ribbon synchronization after printer powered on (default)
  1 Ribbon synchronization activated after power on
- Ribbon Synchronization improvement for KO ribbon.
- Disable ribbon movement after shutdown to enhance synchronization.
- Print density improvement for half and short panel ribbon.
- Step value changed for brightness and contrast (5% instead of 10%, more accurate, better printing quality).
- Color sensor management gain.
- Ethernet communication improved for Dbmp command.
- Magnetic encoding over Ethernet improved (ISO & JIS2).