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Welcome to your new Eltron P205 (Monochrome) & Eltron P210 (Color) User's Manual



Part Number: 980363-001

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Rev.A







FOREWORD

This manual contains installation and operation information for the Eltron P200 Series card printers manufactured by Zebra Technologies Corporation.

RETURN MATERIALS AUTHORIZATION

Before returning any equipment to Zebra Technologies Corporation for in-warranty or out-of-warranty repair, contact Repair Administration for a Return Materials Authorization (RMA) number. Repack the equipment in the original packing material and mark the RMA number clearly on the outside. Ship the equipment, freight prepaid, to the address listed below:

For USA and Latin America: Zebra Technologies Corporation Eltron Card Printer Products 1001 Flynn Road Camarillo, CA. 93012-8706.USA Phone: +1 (805) 579-1800

FAX: +1 (805) 579-1808

For Europe, Asia and Pacific:

Zebra Technologies Inc. France Eltron Card Printer Products Zone Industrielle, Rue d'Amsterdam 44370 Varades, France Phone: + 33 (0) 240 097 070 FAX: + 33 (0) 240 834 745

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WARRANTY INFORMATION

WE NEED TO HEAR FROM YOU!

To establish your warranty period and provide access to technical support, please register now, on Eltroncard 's web site or send us your warranty registration card today!

Zebra warrants the mechanism, control electronics and power supply, under normal use and service, to be free from defects in material and workmanship for a period of twelve (12) months from the date of purchase by the end user. If proof of purchase or product registration cannot be established, shipment date to the original buyer (dealer or distributor) will be used to establish the warranty period.

Since printhead wear is part of normal operation, a replacement printhead is covered by a limited warranty of twelve (12) months or 100,000 passes (whichever occurs first)from the date of printhead installation or date of printhead shipment from ZEBRA. To qualify for the printhead warranty, the printer or printhead must be returned to the factory or other authorized service center.

Although the user is not required to purchase ZEBRA brand supplies (media and/or ribbons), to the extent it is determined that the use of other supplies (media and/or ribbons) shall have caused any defect in the printhead for which a warranty claim is made, this limited warranty shall be null and void and the user shall be responsible for ZEBRA's current charges for labor and materials to repair such defect. To the extent that it is determined that failure to follow the preventive maintenance schedule and procedures listed in the Operator's Guide shall have caused any defect in the printhead for which a warranty claim is made, this limited warranty shall be null and void and the user shall be responsible for ZEBRA's current charges for labor and materials to repair such defect.

Failure to exercise caution to protect the equipment from electrostatic discharge damage, adverse temperature and humidity conditions or physical abuse, including, but not limited to, improper packaging, shipping, service or repairs performed by personnel not authorized by Zebra may void the warranty. Zebra will, at its option, repair or replace the equipment or any parts which are determined to be defective within this warranty period, and which are returned to Zebra.

The warranty set forth above is exclusive and no other warranty, whether written or oral, is expressed or implied. Zebra specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

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DECLARATIONS OF CONFORMITY

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European Cou	Incil Directive	Compliance to Standards					
89/336/EEC modified by	EMC Directive	EN 55022-B	RF Emissions control				
92/31/EEC and 93/68/EEC	EMC Directive	EN 500082-1,1992	Immunity to Electromagnetic Disturbances				
73/23/EEC modified by 93/68/EEC	Low voltage Directive	EN 60950	Product safety				

FC

CE

Model: P210 conforms to the following specification: FCC Part 15, Subpart A, Section 15.107(a) and Section 15.109(a) Class A digital device

Supplemental Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Thank you for choosing the Eltron P210 Plastic Card Printer.

Eltron's P200 series card printers offer a low cost, high quality solution to those requiring computer-controlled printing and encoding of credit card style plastic cards. Card applications include customer loyalty, access control, visitor, membership, gift cards, durable business cards.

This manual guides you to efficient start up and operation of your new Card Printer.

P210/P205 PRINTER MODELS

The Eltron Product Number tells a story:

Here is a quick review of the Eltron Card Printer Series numbering and lettering system to help you.

The P210 Plastic Card Printer employs Dye Sublimation and Resin Thermal Transfer technologies. Model numbers include identifiers that specify options using the following lettering conventions:







ICONS

General Info

Throughout this manual, different icons highlight important information, as follows:



Important general information.



Mechanical hazard, such as one associated with moving parts, capable of resulting in equipment damage or personal injury.



Electrical hazard, such as an exposed voltage point, capable of causing electrical shock and personal injury.



An area where electrostatic discharge (ESD) can cause component damage. Use a grounding wrist band.



Elevated temperature hazard, capable of producing a burn.



Keep Card Printer clean by minimizing cover open time.



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1 • 1 Unpacking your card printer

Your P210 printer ships in a carton and protective anti-static bag. Keep all packaging material in case you need to move or re-ship the printer.

Pull your printer out of the carton by grabing it on both side.

While unpacking, inspect the carton to ensure that no damage occured during shipment. Please ensure that you have a clean and nearly dust free environment for proper operation and storage of the printer.







Make sure the following items are included with your P210 printer:



If any items are missing, please contact your dealer. To reorder, please refer to Appendix C of this manual.





1 • 2 Indicators and Control

Your P210/P205 printer is equiped with a Multi Function Panel Button with a surrounding light ring that glows in three colors to provide printer status indication.

	ON	FLASHING
Green	POWER ON READY	RECEIVING DATA PROCESSING
Orange	RIBBON OR CARD OUT	COMMUNICATION ERROR CLEANING
Red	HARDWARE OR FATAL ERROR Refer to troubleshooting	

The Multi Function Panel Button is used to perform the following operations:



Power Switch:

The Power switch is located on the right-rear of the printer unit.



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1 • 3 Printer Installation

The following will guide you through the installation of your P210/P205 printer.



CAUTION: Limit AC power supplied to the P210/P205 Printer to 24 VDC. Limit excess current draw to 16 amps or less, using an associated circuit breaker or other such device. Never operate the printer in a location where operator, computer, or printer can get wet. Personal injury could result. The printer must be connected to an earthed electrical power supply and properly protected against electrical surges and grounding faults. The power supply pack can only be replaced by the same product from the constructor.



1 • Place the printer in a location that allows easy access to all sides. The printer should never be operated while resting on its side or upside down.

2 • Place the printer's power switch in the OFF "O" position.

3 • Insert the power supply to the printer power socket "1" and attach to grounded electrical socket of the proper voltage and type.

4 • Attach interface cable "2" to printer and computer and then secure.

5 • Switch power on.





CAUTION: Intermittent or unpredictable operation may occur from unsecured connectors. If damaged, the power cable must be replaced by an exact equivalent. Use only Parallel Cable under 3 Meters in length.

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2 • 1 Printer Features

The following shows the features found on your P210 Printer:









2 • 2 Loading Ribbon Cartridge

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- The P210 Printer requires approved ribbon cartridges (see Appendix C). The Resin Thermal Transfer and Dye Sublimation ribbons are specifically designed for your P210 Printer. For optimum performance and printer life (Print Head), always use approved ribbons.
- You can print up to 100 cards in YMCKO with the ribbon cartridge.
- When ribbon is completely used change the whole cartridge assembly.



DO NOT TOUCH the print head or the electronic components on the print head carriage. Discharges of electrostatic charge from the human body or other surfaces can damage the print head or other electronic components used in this device.

- 1 Open printer cover by pressing both Cover Release buttons on the sides of your printer.
- 2 Insert vertically the ribbon cartridge into the slot and press gently until you can feel it engage properly.







Please note that the ribbon automatically synchronizes.



2 • 3 Loading Cards

To help you load, print, and collect cards, the P210 has the following items:

A - CARD FEEDER This item is used for loading cards, it can hold up to 50 cards of 30 mils.

You may have to install the Card Feeder. Hold the card feeder on the sides and slide it into the rail guide.



• Install Cards into feeder at the front of your P210 printer.

For Cards with magnetic stripe refer to Appendix A for loading instructions.



DO NOT bend cards or touch print surfaces as this can reduce print quality. The surface of the cards must remain clean and dust free. Always store cards in an enclosed container. Ideally, use cards as soon as possible. If cards stick together, carefully shuffle them.

* See Chapter 6, Technical Specifications, for card requirements and capacities.

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B - CARD OUTPUT HOPPER

1 • Press on the card output hopper door and pull it down to place it in its functional position.

When not using the printer place the card output hopper back in its closed position to protect the printer from dust.







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C - INSTALL CARD CLEANING CARTRIDGE

This item is used to clean the cards entering the printer. It must be installed before using the printer. *Improper cleaning will reduce printer life and degrade print quality.



- 1 Open the lid by pressing both Cover Realese buttons located on the sides of your printer.
- **2** If the ribbon cartridge is installed, remove it to access the cleaning cartridge location.
- 3 Remove Card Cleaning Cartridge from plastic bag. Peel off protective wrapper from adhesive cleaning roller.
- 4 Install adhesive cleaning roller supplied with your ribbon cartridge.
- 5 A slide rail will guide you to insert the Cleaning Cartridge in the appropriate location. A Cleaning Cartridge diagram is visible on the inside of your printer to help you find the appropriate location.
- 6 Ensure the assembly locks in place by pressing gently on the top of the cartridge until it engages properly.









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2 • 4 Feeding one card at a time

For feeding one card at a time, like Cleaning Cards for example, remove all cards from card feeder and insert one card at a time at the bottom of the feeder.



Do not feed more than one card at a time.





2 • 5 Printing a Test Card

With ribbon cartridge and cards loaded, your P210 printer is ready to print. To check the operation of the printer, you should print a test card.



- 1 Place the printer's power switch in the OFF (0) position.
- 2 While holding down the Multi Function Panel Button, switch printer ON (1). The status indicator will glow green.
- 3 Keep pressing the Multi Function button until the green indicator starts flashing.
- 3 Release the Multi Function button and a test card will print after a few seconds.

This is an example of the test card.



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Printing with the P210 Printer requires the Windows Printer Driver, your card design/issuing software or printer command level programming through the printer interface.

The P210 Card Printer can be used with any Windows 95/98/M.E, Windows 2000 or Windows NT 4.0 software application program, using the drivers provided on CD with the printer.

This section contains information on the printing of a sample card in color (using the 5-Panel color ribbon YMCKO) and the Windows Printer Driver.



BEFORE installing updated printer driver versions, always delete the existing printer driver version from your computer.



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3 • 1 To install the P210 Printer Driver in Windows 95/98/M.E., use the following steps:



IMPORTANT NOTE: Ensure that your PC printer port is set to standard mode and also ensure that you have deleted any previous versions of this printer driver. If you have any doubts please contact your IT department.

An automatic installation software is provided with your CD ROM, select "DRIVERS" and follow the instructions.

You can also install your drivers manualy according to the following procedure: This installation uses floppy drive "A" or from CD Rom as the installation drive with the printer used as stand alone.

- 1. Start your computer and then Windows.
- 2• Insert your "Eltron Software" diskette into the drive "A" or CD drive.
- 3• Under windows click the Start button, select Settings, then Printers.
- 4• Double click on the Add Printer icon and also Next.
- 5• Ensure Local Printer is selected and click on Next.
- 6• Click on Have disk and then type in "A:\win98" if using the floppy disc or "D:\win98" if using the CD and click OK.
- 7• P210 CARD PRINTER should be displayed after which click on Next.
- 8. Choose LPT1: Standard Printer Port, click on Next, select Yes to set as Default Printer and click on Finish to install.

The Printer wizard will copy the necessary files to the PC for you and the P210 printer driver installation will be completed.



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3 • 2 To install the P210 Printer Driver in Windows 2000/NT4.0:

Ensure that you have administrative privileges to perform this installation or contact your IT department.

An automatic Installation software is provided with your CD ROM, select "DRIVERS" and follow the instructions.

Use the steps provided for windows 95/98/ME installation with the exception of step 6. Where you must type in "A:\nt40" for NT4.0, "A:\winNT4" for Windows 2000 if using the floppy disc, or "D:\nt40", "D:\winNT4" if using the CD, instead and click OK.

Once the printer driver has been successfully installed, you will need to configure it for your printer. This driver provides control of several printer features when printing from Windows applications. These features are accessed through the P210 Plastic Card Printer Properties. To access these properties select the P210 Card Printer icon in Printers. Then click File Menu and select Properties.

3 • 3 Set Printer Driver Options:

The P210 Printer screen appears. Change the options as follows:

1• On the **Printer** tab configure the magnetic encoder feature. If your Printer is equipped with a Magnetic Encoder option, select **With Magnetic Encoder** option.

2• On the **Card** tab select card orientation: Landscape or portrait - Select "Landscape".

3• On the Ribbon tab, select the Ribbon Type. Select YMCKO for the standard 5-panel ribbon cartridge.

4• In the same tab, go to Black Panel area and selectText Only. This option allows the text printing using the Black Resin Panel from the Color Ribbon.

5. Close the Eltron P210 Printer Properties screen.

Now that you have loaded media and set up the printer driver, the P210 Printer is ready to print.

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3 • 4 Printing a sample card:

Follow the steps to print your first card

1. Go to the Microsoft Word Software.

2• If the printer was not selected as the default printer, go to the **file** menu and Select **Printer** and choose **Eltron P210 Card Printer** in the printer names list. Then Close the print dialog box.

- 3. Come back to file menu and choose Page Setup.
- 4. Select Size tab and in Paper Size choose Card. Then select the orientation: "landscape".
- 5. Go to Margins tab, Set the Top, Bottom, left and right margins to O (zero) values (for P210 only).
- 6• Press OK to close Page Setup window.
- 7. The card appears on the screen.
- 8• Design a card with both black and colored text and with colored pictures (for P210 printer only) as follow:



9. Once you are ready to print, go to File and select Print

10• The printer will feed in a card and start printing (the data download time will vary depending on the complexity of the card design and the processing speed of the computer).

11• Once the printing job is achieved the card is ejected from the printer.

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PROTECT YOUR FACTORY WARRANTY!

The recommended maintenance procedures must be performed to maintain your factory warranty. Other than the recommanded cleaning procedures described in this manual, allow only Zebra authorised technicians to service the P210 Printer. **NEVER** loosen, tighten, adjust, or bend, etc. a part or cable inside the printer. **NEVER** use a high pressure air compressor to remove particles in the printer.

CLEANING





4 • 1 Cleaning System

Your P210 Printer includes a simple cleaning system using Pre-Satured Cleaning Cards provided. The regular use of these cards will clean and maintain important parts of your printer that cannot be reached: including the Print Head the Transport Rollers and Magnetic Encoder Station (optional feature).

WHEN TO CLEAN Every 1000 cards approximately using 5-panel color ribbon cassette.

HOW TO CLEAN 1 • Leave power on. Press on both sides the Cover Release buttons to open cover and remove ribbon cartridge.









3 • Press the multi function control button for a few seconds. The card will feed into the printer and carry out the cleaning process.

Repeat the process with a new Cleaning card if necessary.



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4 • 2 Cleaning the Print Head



A cleaning using the cleaning system with cards usually suffices. However, a separate Print head cleaning using swabs can remove more stubborn deposits when print anomalies persist. To avoid deposits, only use foam-tipped swabs.



1 • Switch power Off, open cover by pressing both cover release buttons and remove the Ribbon Cartridge.

2 • Clean Print Head by moving alcohol-moistened swab tip side-to-side across Print Head elements. Only use moderate force.

Make sure the elements are dry before switching on.

(To reorder swabs see Appendix C).



Never use a sharp object to scrape deposits from the print head. Permanent damage will result.





4 • 3 Card Cleaning Cartridge

Your P210 Printer also has a Card Cleaning Cartridge. This item cleans the cards entering the printer. To ensure print quality, the cleaning roller should be replaced with every ribbon cartridge replacement

WHEN TO MAINTAIN

Each time the ribbon cartridge is replaced. If you plan to run a printer cleaning, do so before replacing the cleaning roller. (see 4.1 Cleaning System for more instructions).

HOW TO MAINTAIN
1 • Turn power off.
Open Cover by pressing on both sides on the Cover Release buttons. Remove ribbon cartridge.



2 • Gently remove Cleaning Cartridge by pressing the cartridge's arms on both sides and pulling up .





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- 3 Lift the cartridge lid up and remove the Adhesive Cleaning Roller from the cartridge and discard.
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4 • Carefully peel off wrapper from new Cleaning Roller.



5 • Install new Cleaning Roller into the Cartridge*. To avoid contamination, always hold the Cleaning Roller assembly by the ends.





DO NOT touch the roller surface that contacts the cards.

- 7 Re-insert the Ribbon Cartridge
- 8 Close Cover by pushing firmly down on both sides.

"See Appendix C for replacement Cleaning Rollers.





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This section offers solutions to potential problems you may experience with your P210 printer.

5 • 1 Print Quality Issues

This section will help you resolve print quality problems. The print quality is dependent on several factors. The two most important factors that will increase your print quality are cleanliness and card stock. To diagnose and fix print quality problems, follow the troubleshooting procedure below:



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• Small spots appear on the printed card with a non-printed area or a different color.

Possible Cause

- A Contamination on the card surface.
- B Dust inside the printer and/or dirty Cleaning Roller.

>> Solution

- A1 Check that cards are stored in a dust free environment
- A2 Use a different supply of cards.
- B1 Perform a Cleaning of the printer (see Cleaning section 4.1 Cleaning system & 4.3 Card Cleaning Cartridge).
 B2 Replace Cleaning Roller (see Cleaning section 4.3 Card Cleaning Cartridge)

• There are non-printing horizontal lines (white) on the card surfaces.

Possible Cause

- **A** Ribbon cartridge is not correctly positioned.
- B Print Head may be dirty.
- **C** Print Head elements may have been damaged
- (e.g. scratched or burnt).

>> Solution

A1 • Open cover and replace ribbon cassette, make sure it locks in place.

A2 • Check that the ribbon is properly rolled onto the ribbon cores of the cartridge and that there are no wrinkles in the ribbon.

- A3 Push down firmly on both sides of the cover until the lid engages properly.
- A4 Ribbon will automatically synchronize.
- A5 Print again.
- **B1** Perform a Cleaning of the Print Head (see **4 2** Cleaning the Print Head).
- C1 Call service for Print Head replacement information.



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· Printing shows very pale or inconsistent results.

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Possible Cause

- A Ribbon cartridge have been stored improperly or is damaged.
- **B** Cards may not meet specifications.
- **C** Contrast and/or Intensity may be set to values which are too high.
- D Dust or embedded contamination on elements of the Print Head.

>> Solution

- A1 Change ribbon cartridge and print again.
- **B1** Use a different supply of cards.
- C1 Adjust Contrast and/or Intensity values in software.
- D1 Perform a Cleaning of the Print Head (see 4 2 Cleaning the Print Head

· Printing shows blurry printed image.

Possible Cause

- A Ribbon cartridge may not be correctly positioned.
- **B** Ribbon may not be synchronized on the correct color panel position.
- **C** Cards may not meet specifications.
- **D** Dust inside the printer and/or dirty Cleaning Roller.

>> Solution

- A1 Open cover and replace ribbon cartridge, make sure it locks in place.
- A2 Check that the ribbon is properly rolled onto the ribbon cores of the cartridge.
- A3 Push down on the cover until the lid engages properly.
- **A4** Ribbon will automatically synchronize.
- A5 Print again.
- **B1** Open cover and replace ribbon cartridge, make sure it locks in place.
- **B2** Push down on the cover until until the lid engages properly.
- **B3** Ribbon will automatically synchronize.
- B4 Print again.
- C1 Use a different supply of cards.
- D1 Perform a cleaning of the Print Head (See 4 2 Cleaning the Print Head).
- D2 Replace Cleaning Roller (See 4 3 Card Cleaning Cartridge).



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Possible Cause

- A Ribbon cartridge may not be installed in the printer.
- B Cards may not meet specifications.
- **C** Cable on Print Head may be disconnected.
- **D** Print Head elements may be scratched or burnt.

>> Solution

· No printing on the card.

- A1 Check for ribbon cartridge in the printer.
- **B1** Use a different supply of cards.
- **C1** Power off the printer and check the Print Head cable connections.
- D1 Call Service for Print Head replacement information.

For optimum print quality, always keep cover of the printer closed.





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Operation		TECHNICAL SPECIFICATIONS
Printing a card		
Cleaning		
Troubleshooting	General	 High speed printing 40 seconds per card in YMCKO 4 seconds per card in Monochrome
Specifications		 Small footprint Windows Drivers for 95/98/2000/ME and NT 4.0
Appendix A		 One year printer warranty One year (100,000 passes) print head warranty` Powerful EPCL (Eltron Printer Command Language)
Appendix B	Color Printing	Color dye sublimation or monochrome thermal transfer printing
Appendix C		 300 dpi (11.8 dots/mm) print resolution Edge to edge printing standard (P210 only) 40 seconds per card edge to edge in full color (YMCKO)
	Bar Code	 Code 39 Code 128 B & C with & without check digit 2 of 5 & 2 of 5 interleave UPCA EAN8 & EAN13
	Fonts	 Resident: Arial Normal 100, Arial Bold 100 Flash memory supports download of different fonts. True Type fonts available via Windows Driver
33	Cards	 Types PVC, Composite Card width/length: ISO CR-80 - ISO 7810, 2.125" (54mm) by 3.375" (86mm) Option: Magnetic Stripe - ISO 7811 Card thickness: 10mil (0,25mm) to 30mil (0,75mm) Card Feeder capacity: up to 50 cards (30mil) Card Output Hopper capacity: 20 cards (30mil)

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	Ribbons Cartridges	Black Monochrome: 500 cards/cartridge YMCKO dve sub: 100 cards/cartridge
General Info	Interfaces	USB port / Parallel
Getting Started	Mechanical	• USB port / Serial • Width: 7.18″ (182.4mm)
Operation		 Depth: 11.92" (303mm) Height: 7.03" (178,8mm) Weight: 6.30 lbs (2.9 lbs)
Printing a card	Electrical	 Weight: 6.39 fbs (2,9 kg) 110 ~ 230 Volts AC, 60 ~ 50 Hz
Cleaning	Environmental	• PCC Class A, CE, UL, and CUL approved • Operating Temperature: 60 to 86°F (15 to 30°C)
Troubleshooting	500 C	 Operating Humidity: 20 to 65% non condensing Storage Temperature: -23 to 158°F (-5 to 70°C) Storage Humidity: 20 to 70% non condensing
Specifications 5 1	Options	 Ventilation: Free air Magnetic Encoder (0.76mm cards only)
Appendix A		Cleaning supplies
Appendix B Appendix C		





CARD DIMENSIONS







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This section contains information on the additional operations of the P210 Printers with Magnetic Card Stripe Encoder. (See Chapter 2 for location.)

INTRODUCTION

Operation and maintenance requirements for the P210 Printer with the optional magnetic card stripe encoder. (See Chapter 2 for location.) The magnetic encoder can be set for either high or low coercivity.







A • MEDIA LOADING ORIENTATION

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The magnetic encoder is a factory installed item with the read/write head positioned below the card path, available with HICO encoding or LOCO encoding.

When loading cards into the Card Cartridge, please ensure that the magnetic stripe is facing down and closest to the right.

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M1 = Stripe Down HICO	M3 = Stripe up HICO
M2 = Stripe Down LOCO	M4 = Stripe up LOCO
approved HICO & LOCO PV	C cards are available. (See Appendix C).

Note:

ONLY USE cards that comply with ISO 7810 & 7811 standards for magnetic stripe cards. The magnetic stripe must be flush to the surface of the card to work properly. Never use cards which have taped-on magnetic stripes.



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. This cleans the most important parts of the printer; including the print Head, Transport Roller and Magnetic Stripe

B • MAGNETIC ENCODER CLEANING

Use the standard cleaning card process.

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- - 1 Leave power on.
- 2 Remove cards from the card feeder.

Encoder (refer to chapter 4 "Cleaning" for more instructions.)

- 3 Insert one presaturated card (provided) through slot on the side of the Card Cartridge.
- 4 Press the Multi function button.

ISO STANDARD ENCODING

Track #	Field Separator	Track density	Valid Characters	# of characters
1	^	210BPI*	Alphanumeric (ASCII 20 - 95**)	79***
2	=	75BPI*	Numeric (ASCII 48 - 62)	40***
3	=	210BPI*	Numeric (ASCII 48 - 62)	107***

* Bit per inch

** Except the "?" character

*** Including Start, Stop and LRC characters. Also note that these 3 characters are automatically managed by the magnetic encoder according to the ISO Standard norms.

NOTE: Refer to the Card Printer Programmer's Manual for complete programming information.





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Accessories & Supplies

Please contact your Eltron authorised dealer to place an order for accessories and supplies.



Use only Zebra-approved card, ribbon and patches media. Using non-approved card or ribbon media can void your warranty.

Refer to the Accessories section for more information about Card and Ribbon Media available from Zebra Technologies Corp.

RIBBONS:

Part Number	Description : Starter Kit
105912-294	YMCKO Ribbon Cartridge + Cleaning Roller+ 100 PVC Cards

Part Number	Description	Cards/Cartridge
800015-201	Black Monochrome	500
800015-240	5 Panel YMCKO Dye Sub	100



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CARDS:

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Part Number	Description	Card/pack	thickness
104523-114 104523-111 104523-112 104523-113 104524-101 104524-102 104524-103	premier grade PVC premier grade PVC premier grade PVC LoCo premier grade PVC HiCo premier plus grade composite premier plus grade composite LoCo premier plus grade composite HiCo	100 100 100 100 100 100 100	10mil 30mil 30mil 30mil 30mil 30mil 30mil





ACCESSORIES

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Accessories available for P210 printers appear below. Always refer to the part number when placing an order.

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		Printer supplies
	Part Number	Description
	300320-001 105912-212 105925-001	Centronics Parallel cable (36 pins) USB Cable (6ft A-B) Replacement Print Head Kit

	Cleaning Supplies
Part Number	Description
105909-169 105912-301 105912-302 105909-055 105909-057	Premier Cleaning Kit (25 swabs, 50 cards) Adhesive Cleaning Roller Kit (set of 5) Cleaning Cartridge, complete Cleaning Card Kit (box of 100 cards) Cleaning Swab Kit (box of 25 swabs)

	Miscellaneous
Part Number	Description
105576-002 806503-001 104527-001	CD ROM (Software, Windows Drivers, Documentation) Card Punch (slots card for lapel clip) Lapel Clips (pack of 100 clips)



P205/P210 Plastic Card Printer

World Wide Sales and Support:

Zebra Technologies Corporation

Eltron Card Printer Products 1001 Flynn Road Camarillo, CA 93012-8706.USA Phone: + 1(805) 579 1800 Fax.: + 1 (805) 579 1808 Toll Free in US: (800) 452-4056 e-mail: cards@eltron.com

Zebra Technologies Corporation Eltron card Printer Products, (Europe, Middle East, Africa) The Valley Centre, Gordon Road, High Wycombe Buckinghamshire HP13 6EQ, England Phone: + 44 (0) 870 241 1527 Fax.: + 44 (0) 870 241 0765 e-mail: eurosales@eltron.com

Zebra Technologies France Eltron card Printer Products, France 50, 56 rue Marcel Dassault 92100 Boulogne-Billancourt, France Phone: + 33 1 55 20 93 93 Fax.: + 33 1 55 20 93 99 e-mail: frsales@eltron.com

Zebra Technologies Corporation Eltron card Printer Products, Latin America 6175 NW 153 rd Street, Suite # 121 Miami Lakes, FL 33014 USA Phone: + 1 (305) 558 8470 Fax: + 1 (305) 558-8485 e-mail: latinsales@eltron.com

Zebra Technologies Corporation Eltron Card Printer Products, Asia/Pacifique 1 Sims lane # 06-11 387355 Singapore Phone: + 65 84 20 322 Fax.: + 65 84 20 514 e-mail: asiasales@eltron.com

CORPORATE HEADQUARTERS

Zebra Technologies Corporation 333 Corporate Woods Parkway Vernon Hills, IL 60061-3109 USA Phone: 1 (847) 634 6700 Fax.: + 1 (847) 913 8766 e-mail: sales@Zebra.com





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