



# **ZEBRA** ZXP Series 7™



© 2013 ZIH Corp.

Zebra Technologies Corporation                                      가                                      .  
Zebra Technologies Corporation                                      Zebra

Zebra Technologies Corporation

|              |       |                                |
|--------------|-------|--------------------------------|
| ZXP Series 7 | Zebra | Zebra Technologies Corporation |
| Windows      | 가     | Microsoft Corporation          |



- 가 ,

<http://www.zebra.com/environment>



#### FCC - Compliance Statement (USA)

This device complies with Part 15 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.

This equipment has been tested and found to comply with the limits for Class A Digital Devices, 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 product manuals, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to do one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced RF service technician for help.

#### Important:

1. The radio must be installed with a minimum 20 cm separation between the user and the antenna.
2. The radio must not be co-located or used in simultaneous transmitting condition with another radio.
3. The host system shall have a label to indicate that the system contains a certified module.

An example is "Contains FCC ID : I28-W2WLAN11G , IC ID: 3798B-W2WLAN11G; or  
"Contains FCC ID : I28-RFIDM6EM , IC ID: 3798B-RFIDM6EM."

4. The radio is for indoor use only in the 5150-5250 GHz frequency range.

The user is cautioned that any changes or modifications not expressly approved by Zebra Technologies could void the user's authority to operate the equipment. To ensure compliance, this printer must be used with fully shielded communication cables.

#### Canadian DOC Compliance Statement

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This Class A digital apparatus complies with Canadian ICES-003.

#### Industry Canada (IC) Warning

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est auto-risée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) This device may not cause interference., 2) This device must accept any interference, including interference that may cause undesired operation of the device.



#### Brasil - Aviso da Anatel

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

"Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados"

Para maiores informações, consulte o site da ANATEL [www.anatel.gov.br](http://www.anatel.gov.br)

## UHF RFID

Only Zebra

가

PN: Zebra Technologies P1033567-01

:

: -10 dBi

Only Zebra

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802.11 b/g

PN: Laird Technologies WCR2400SMRP

: 1.3 dBi @ 2.4 GHz

: 50 Ω

Zebra ZXP Series 7                      ITE: \_\_\_\_\_ ,  
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- - FCC Class A, CFR 47, Part 15 Subpart B
  - Part15 Subpart C
  - Canadian STD RSS-210
  - NOM-NYCE ( )
  - EN60950: EN60950-1 Safety Standard (TUV & NRTL)
  - RCM ( )
- ( ):
  - 2004/108/EC EMC Directive, EN55022: Class A,
  - EN55024, EN61000-3-2, EN61000-3-3,
  - 2006/95/EC LVD Directive, EN60950-1, CB Scheme





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ZEBRA TECHNOLOGIES CORPORATION

Zebra ZXP Series 7

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2004/108/EC EMC Directive, EN55022:2010 Class A,  
EN55024: 2010, EN61000-3-2:2006+A2:2009, EN61000-3-3:2008  
2006/95/EC LVD Directive, EN60950-1:2006+A1:2010, CB Scheme

RFID Enabled

99/5/EC R&TTE Directive, ETSI EN 301 489-3 V1.4.1 (2002-08), EN 300 220-2 V2.1.2 (2007-06)

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Zebra Agoura Hills Compliance Office

: : 230V 3 IT

FI: “Laite on liitettävä suojamaadoitus koskettimilla varustettuun pistorasiaan”

SE: “Apparaten skall anslutas till jordat uttag”

NO: “Apparatet må tilkoples jordet stikkontakt”

日本：総務省 (MIC) 認証マーク

本製品は MIC の認証を受けています。

RFID 認証番号は No. FC-10003 です。

この機器は、無線周波数エネルギーを生成および使用し、それらを放射する可能性があります。  
したがって、ユーザー・マニュアルに従って設置および使用しなかった場合、無線通信あるいはペースメーカーなどの医療機器に有害な干渉を引き起こすことがあります。



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## Zebra

Zebra

. ZXP Series 7

Zebra True Colours®

Zebra True Secure™

<http://www.zebra.com/supplies>

## Zebra

: <http://www.zebra.com/contact>

: <https://km.zebra.com>



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- D • ..... 179**
- E • ..... 187**
- F • ..... 193**



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ZXP Series 7  
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<http://www.zebra.com/supplies>

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(OCP)

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(OCP)



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- ..... 32
- Windows ..... 35

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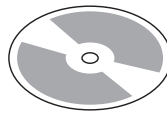
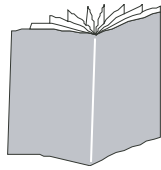
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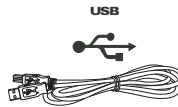
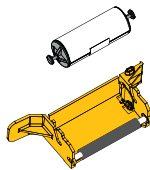
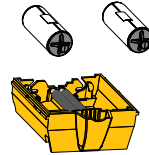
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Zebra

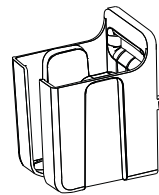
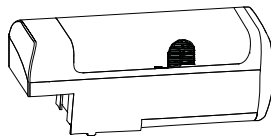
4.



가 CD-ROM



USB

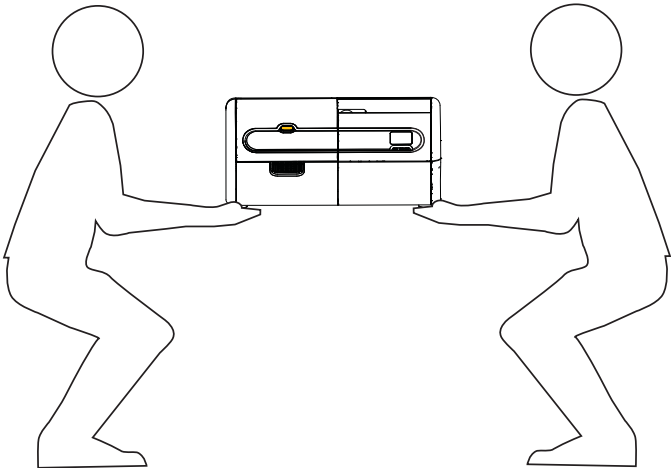






- 12.2 kg (26.9 lbs)

5.



6.



- (-5° C/23° F ~ 70° C/158° F)

(15° C/59° F ~ 35° C/95° F)
- 
- 762 mm(30 ) x 305 mm(12 )

4
- 813mm(32 )
- 15° ~ 35°C(59° ~ 95°F)
- 20~80%
- AC , 90V~264V AC, 47-63Hz (50-60Hz l);

- 157

7.

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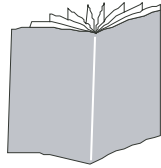
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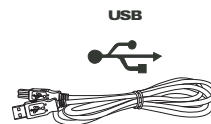
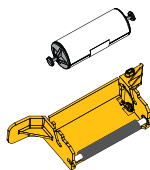
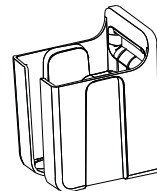
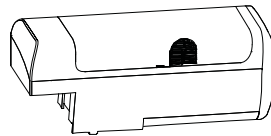
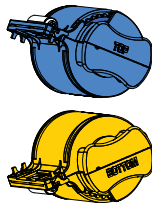
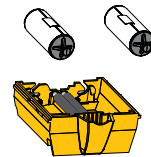
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Zebra

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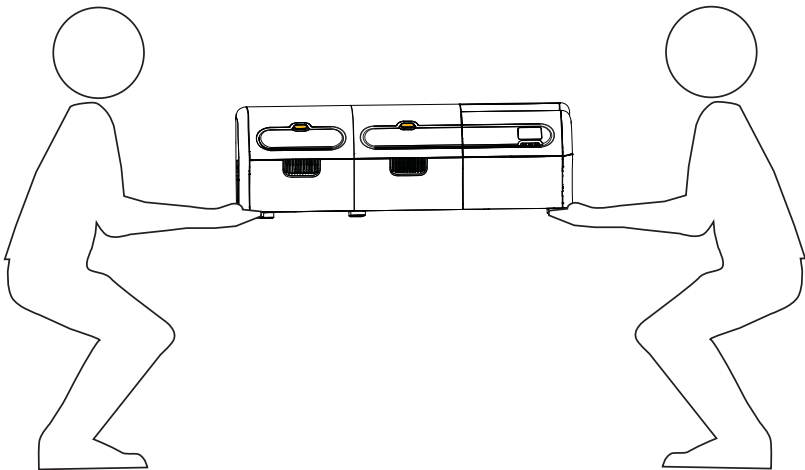
USB





|   |   |                    |   |
|---|---|--------------------|---|
| • | 가 | 17.9 kg (39.5 lbs) | . |
|---|---|--------------------|---|

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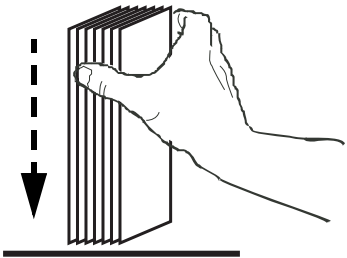
- (-5° C/23° F ~ 70° C/158° F) (15° C/59° F ~ 35° C/95° F)
- 
- 1016 mm(40 ) x 305 mm(12 )  
4
- 813mm(32 )
- 15° ~ 35°C(59° ~ 95°F)
- 20~80%
- AC , 90V~264V AC, 47-63Hz (50-60Hz l);  
- 157

7.

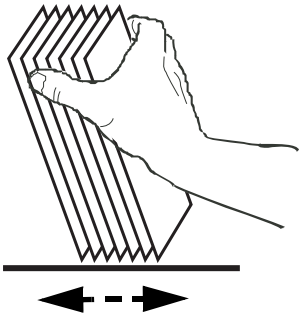


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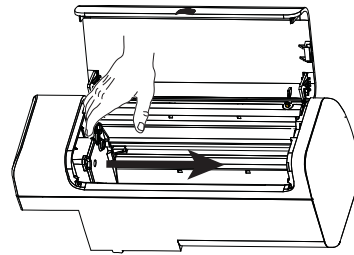
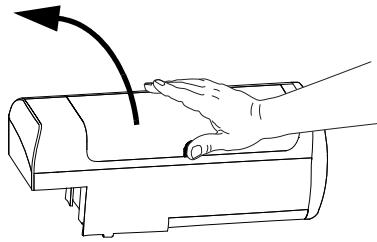
3. 45°



가 가

- 4.

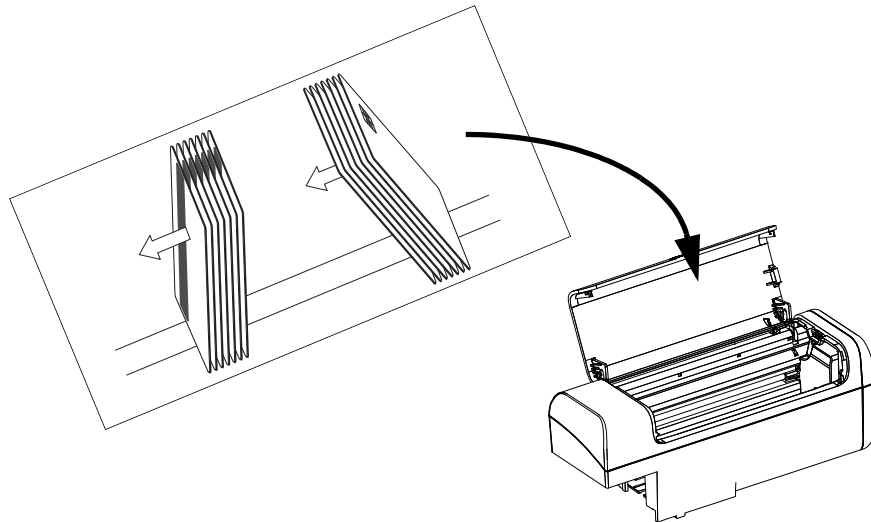
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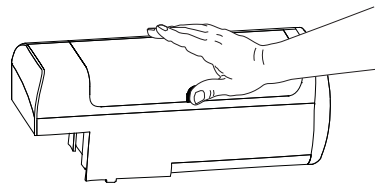
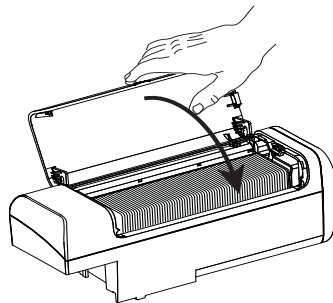
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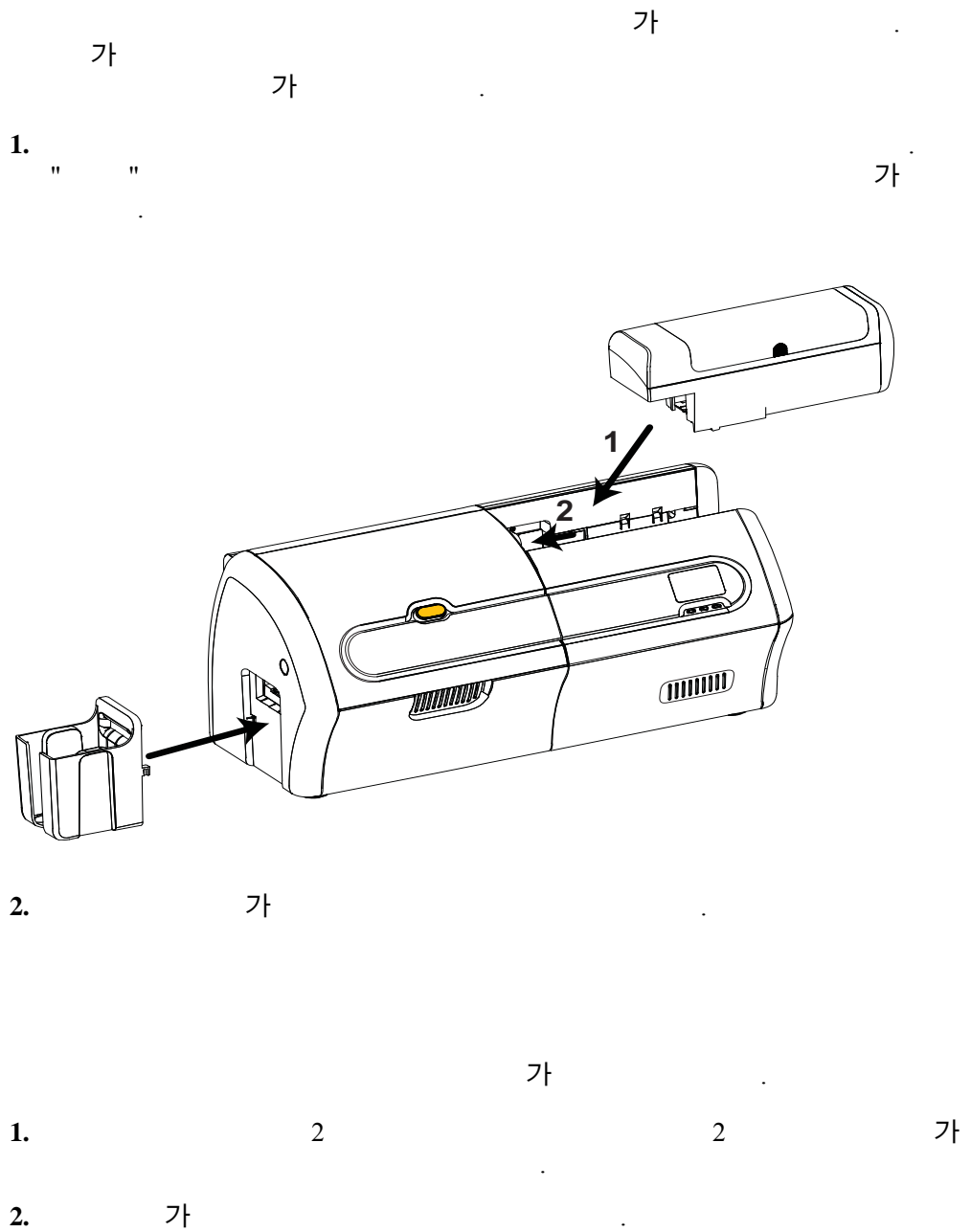
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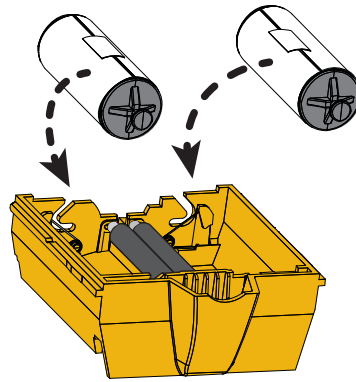




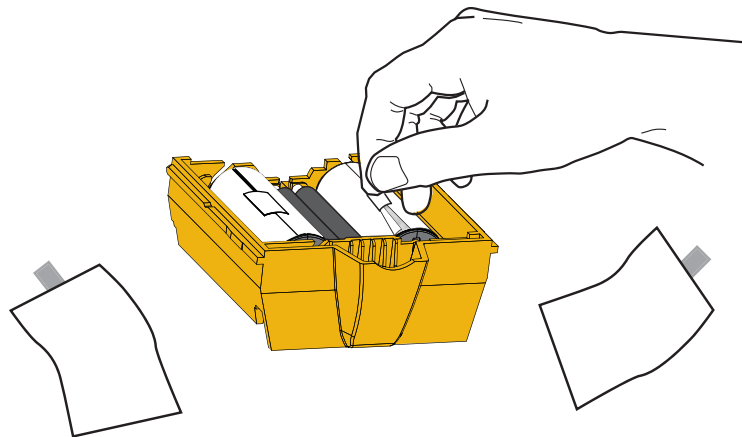


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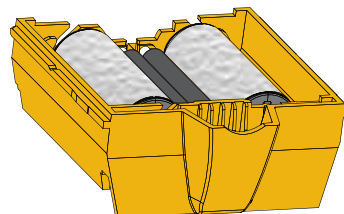


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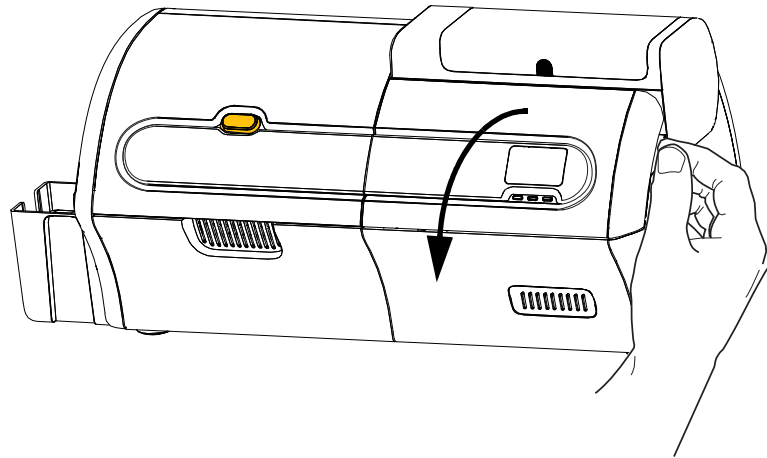


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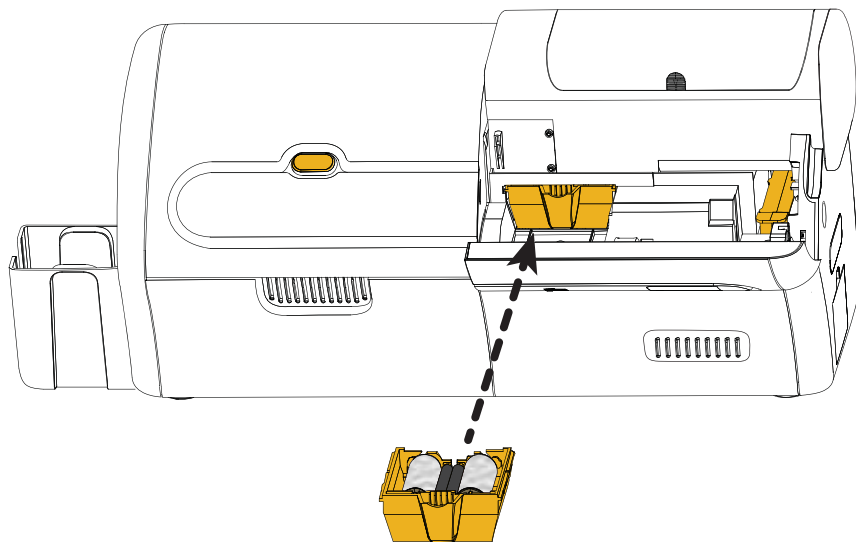


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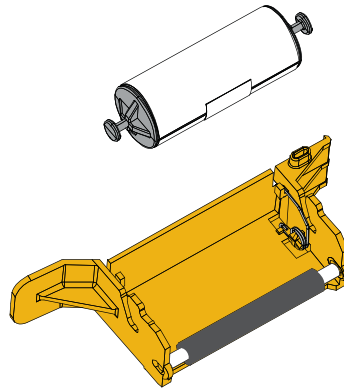
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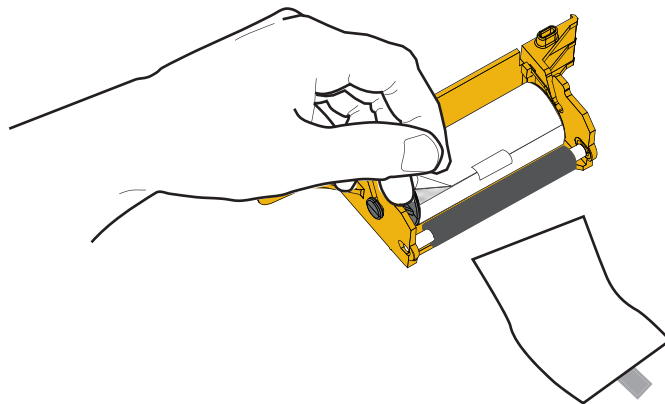


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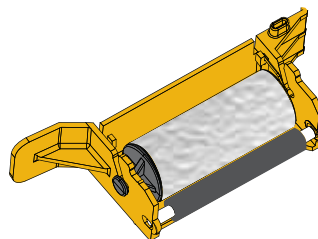


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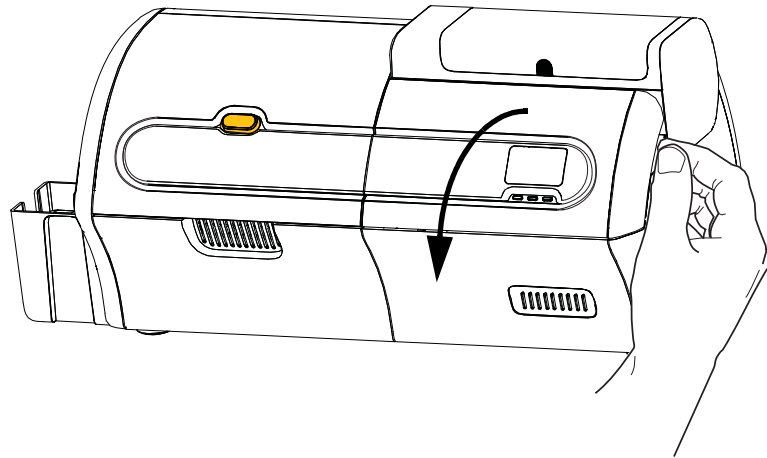


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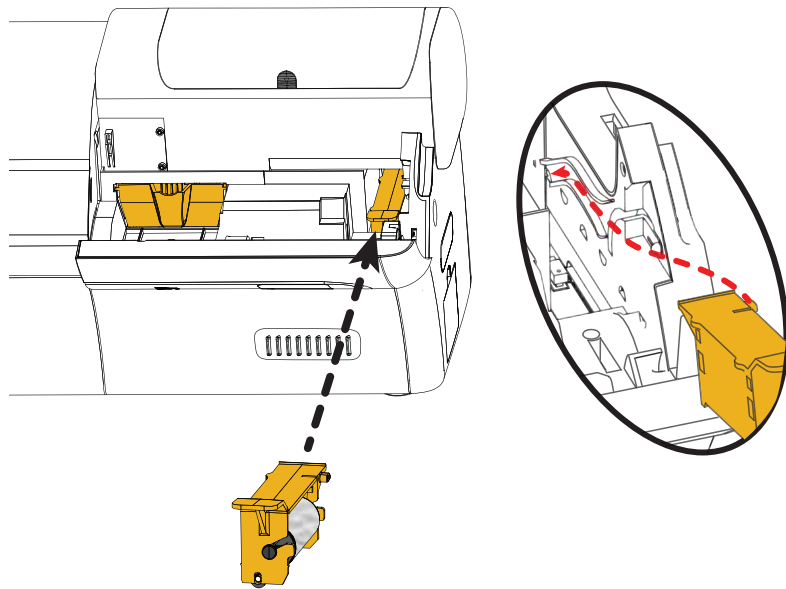


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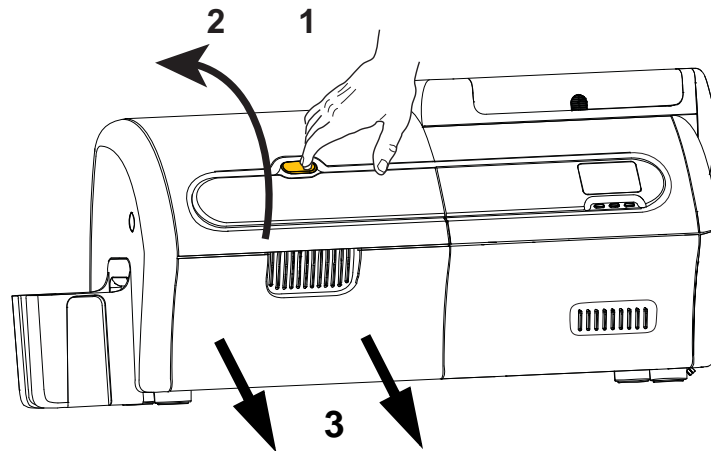
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11.

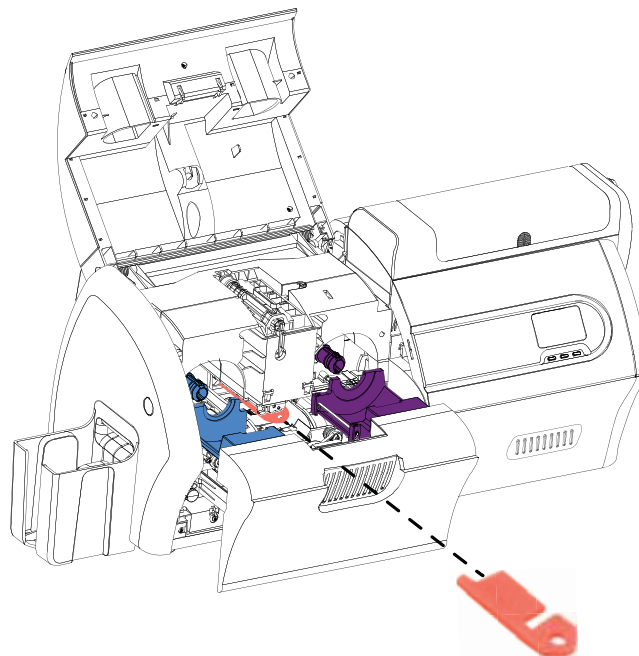
ZXP Series 7  
Zebra True Colours®

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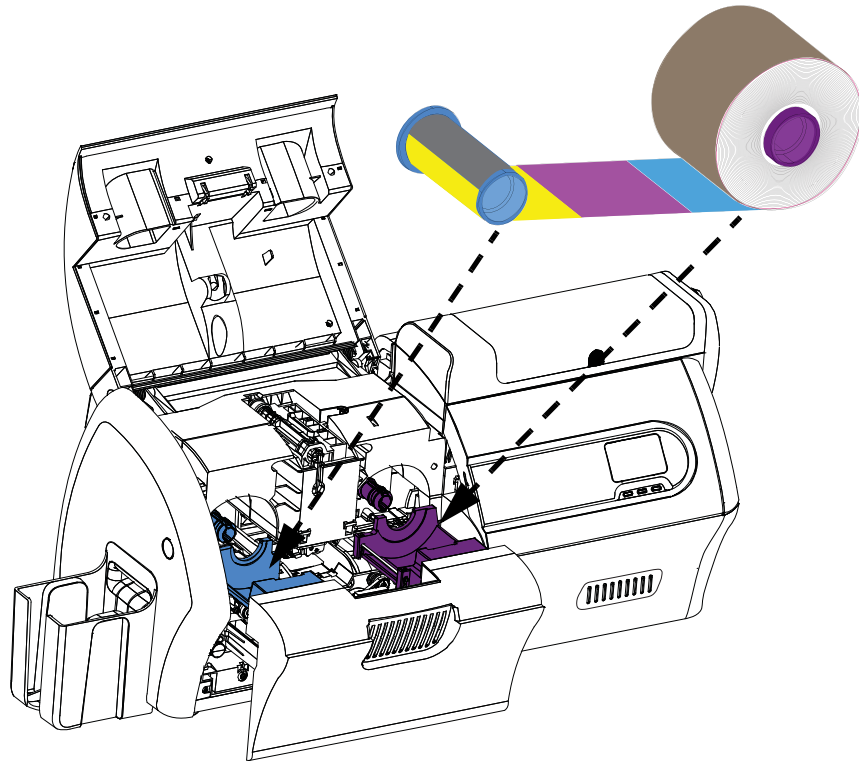
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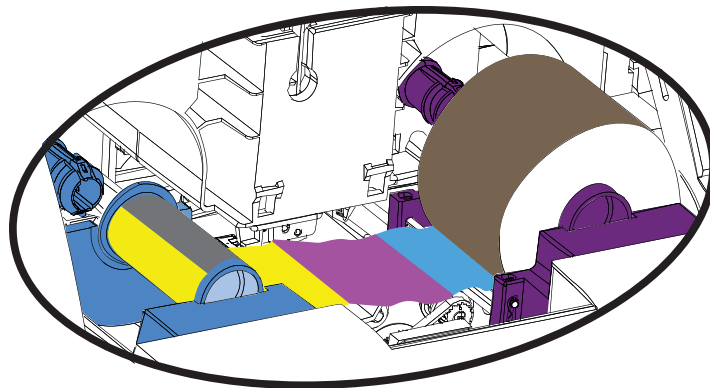
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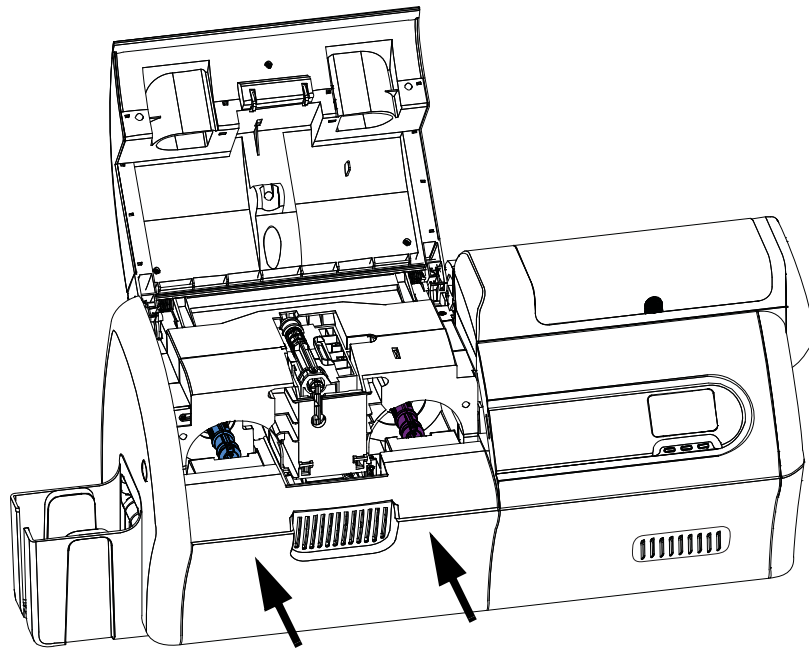
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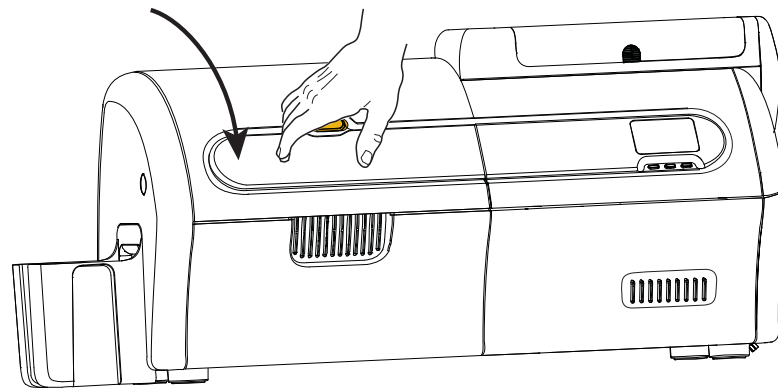
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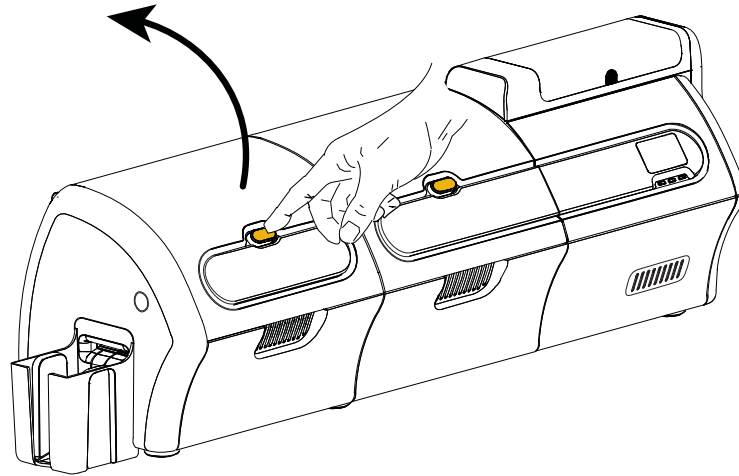


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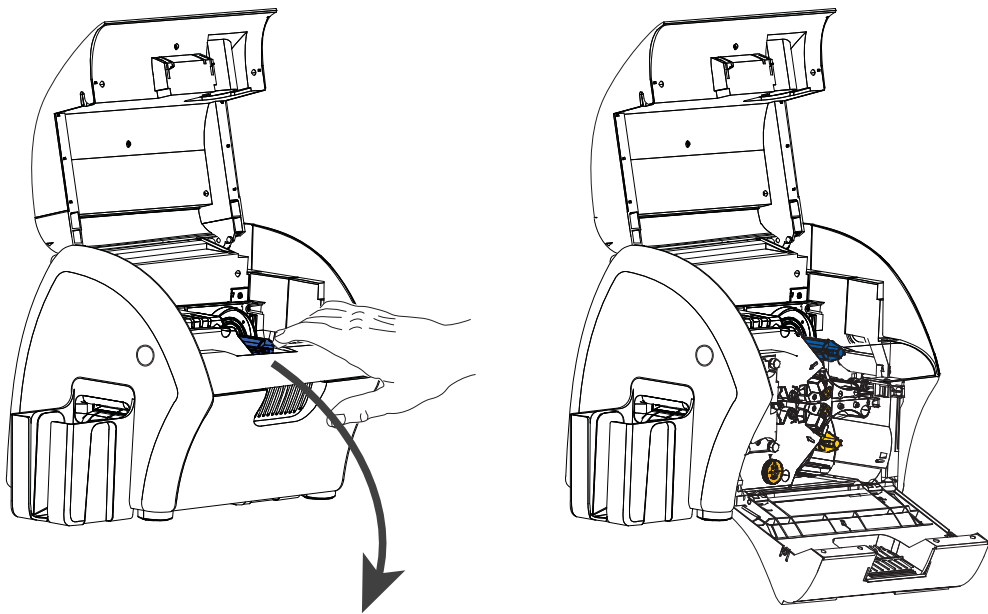




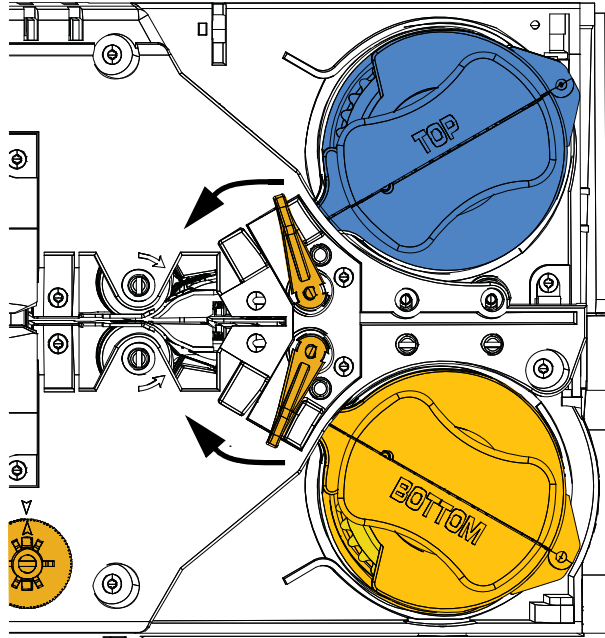
1.



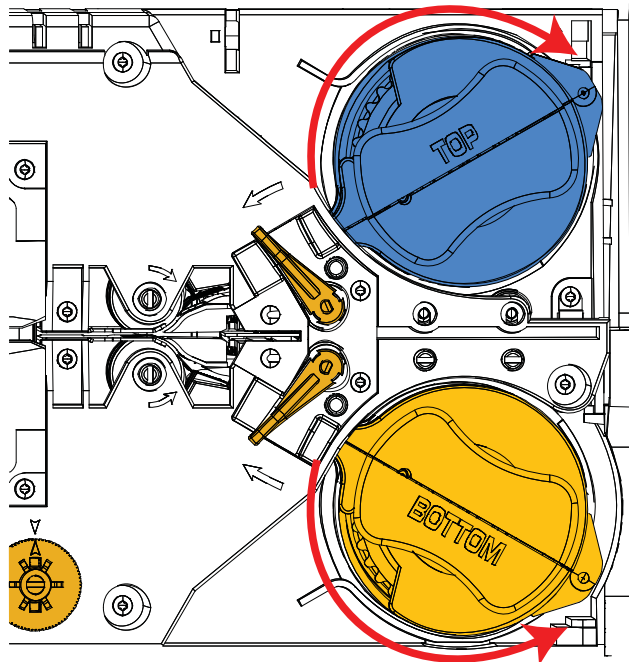
2.



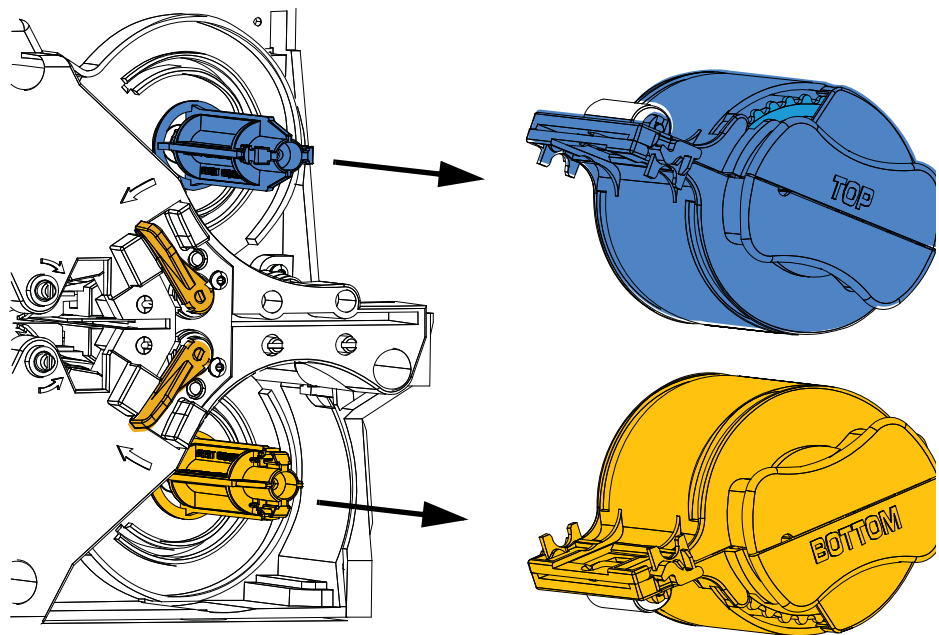
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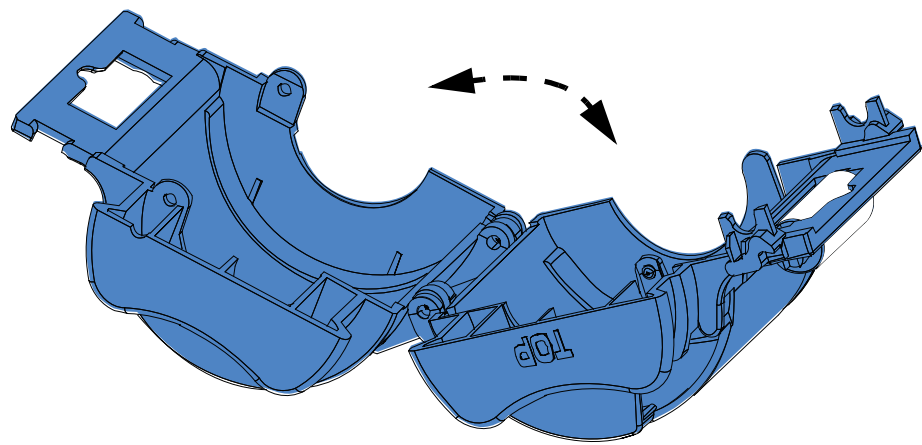


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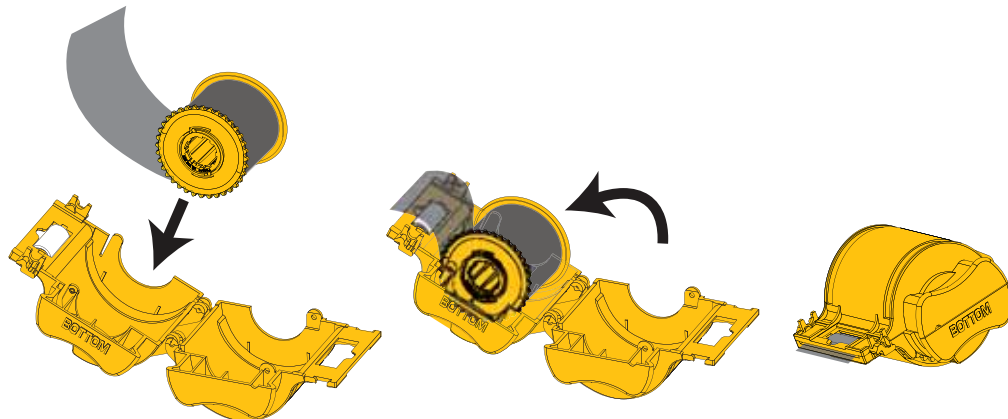
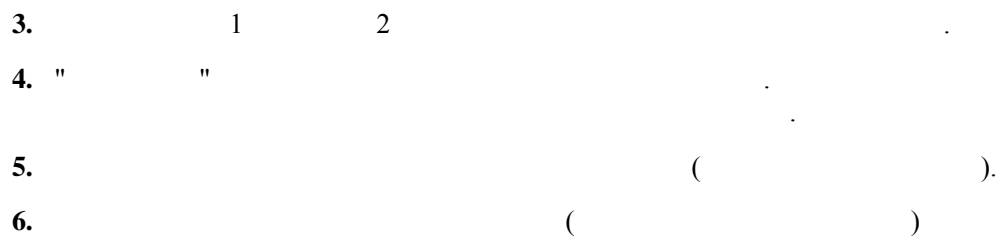
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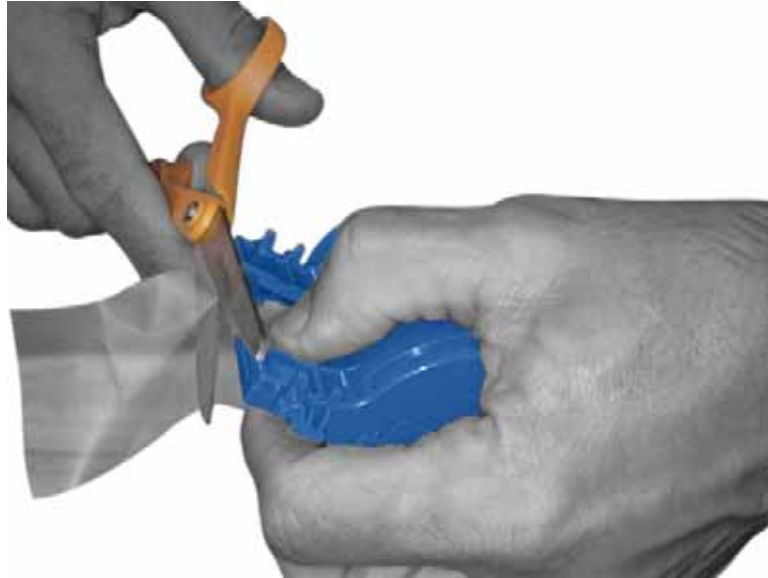




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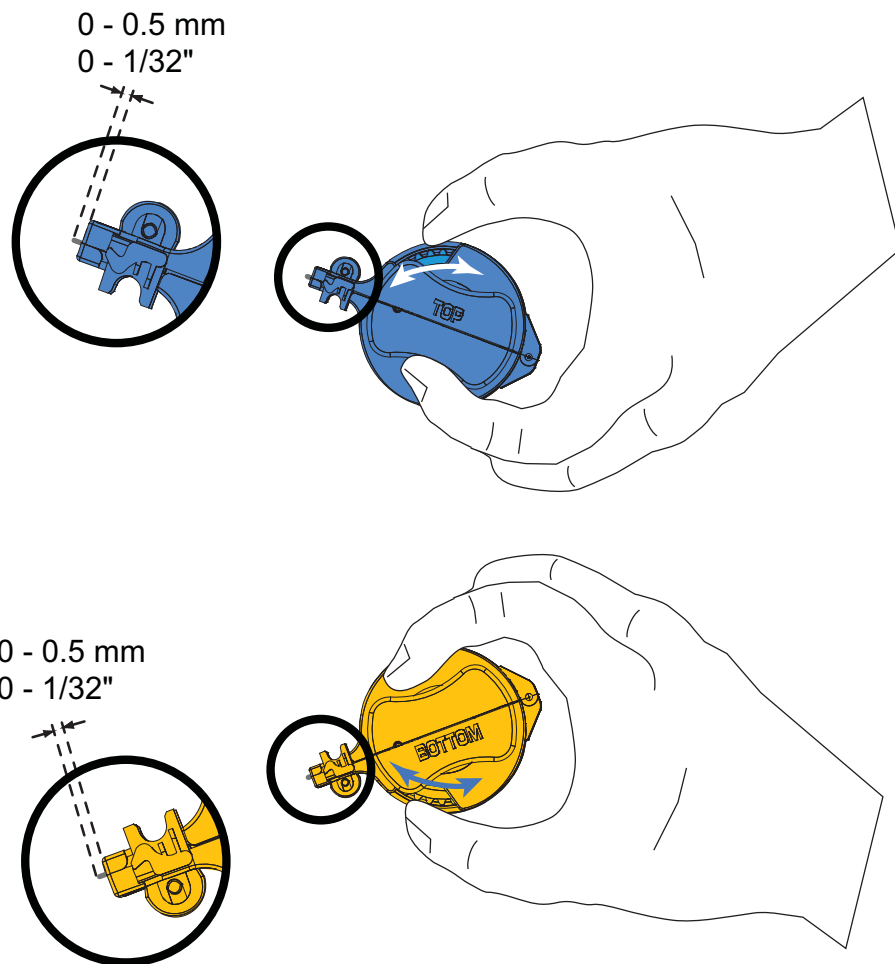
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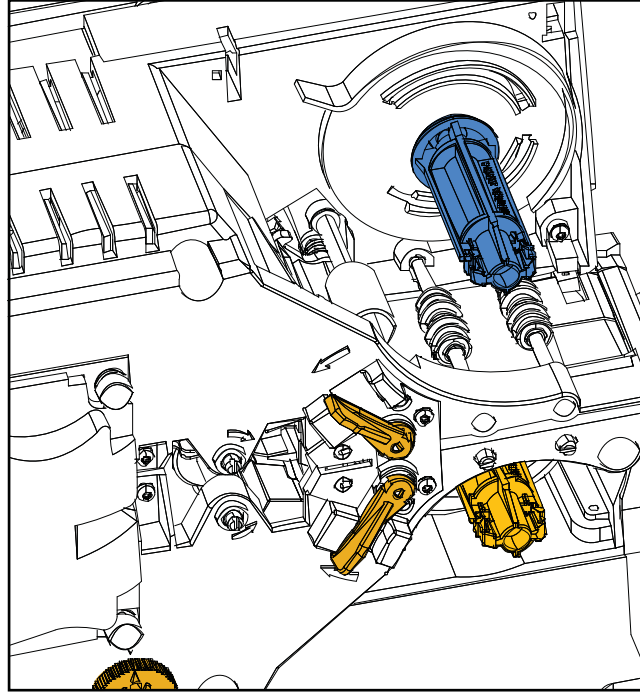
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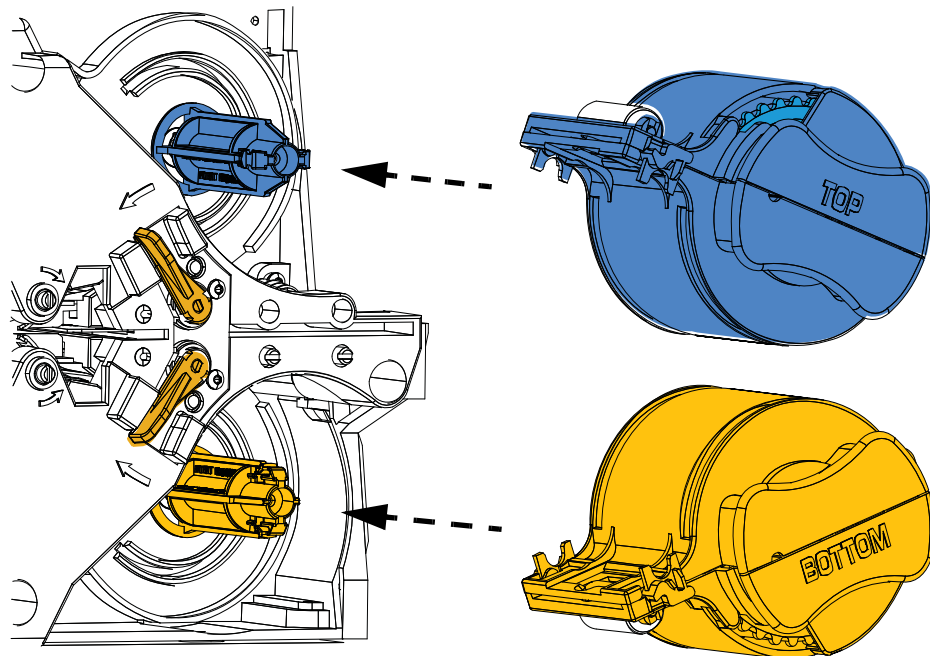
가



## 1. 가

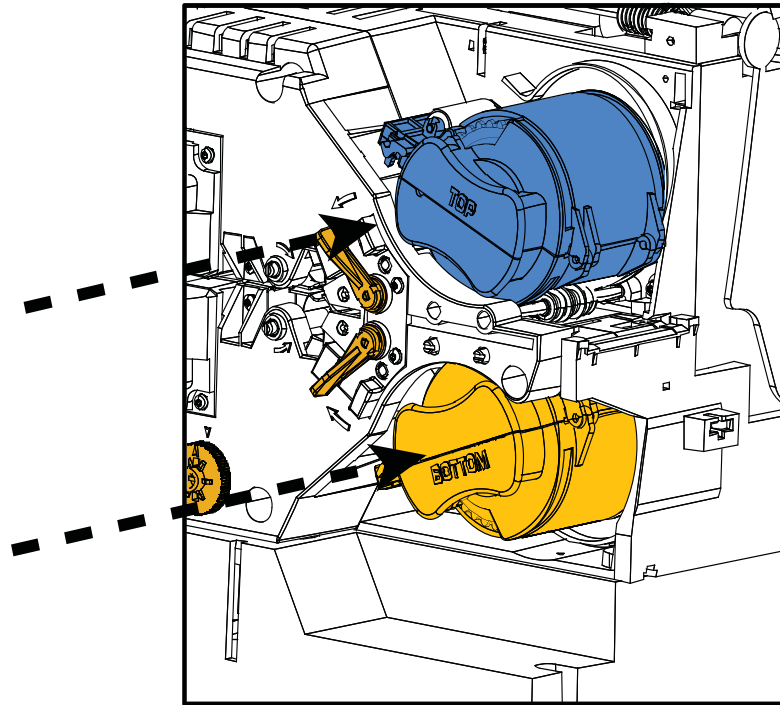


## 2.



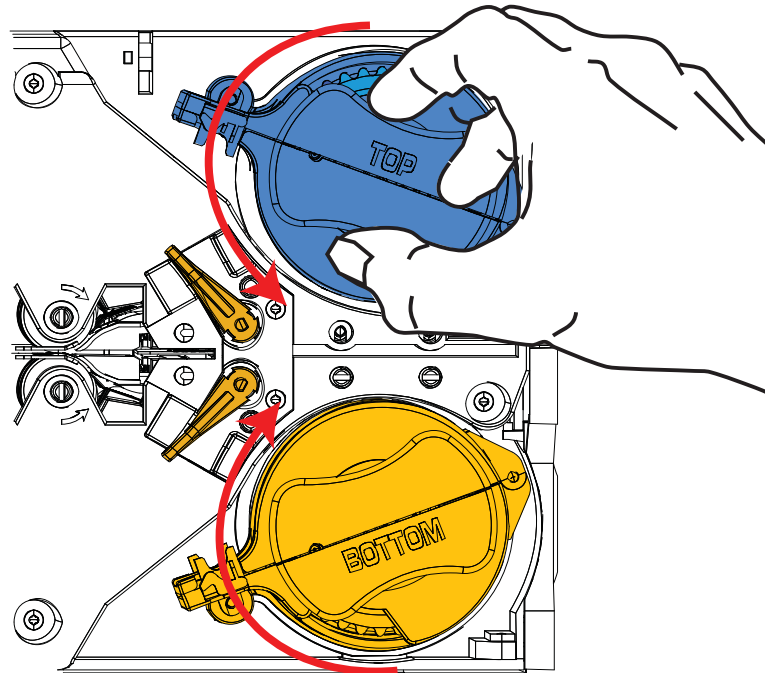
3. 가

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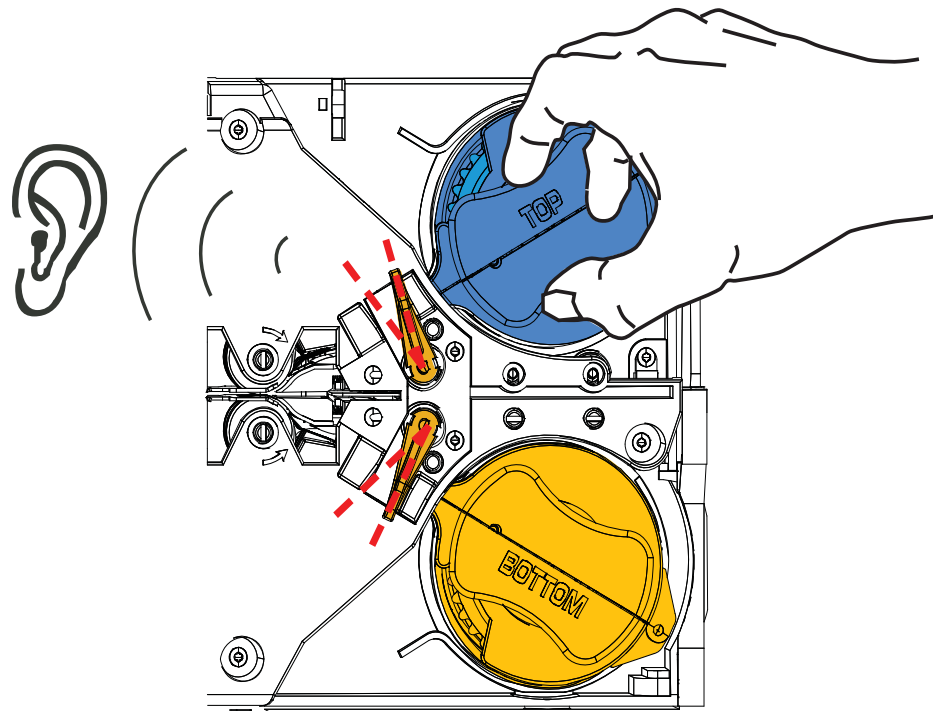


4.

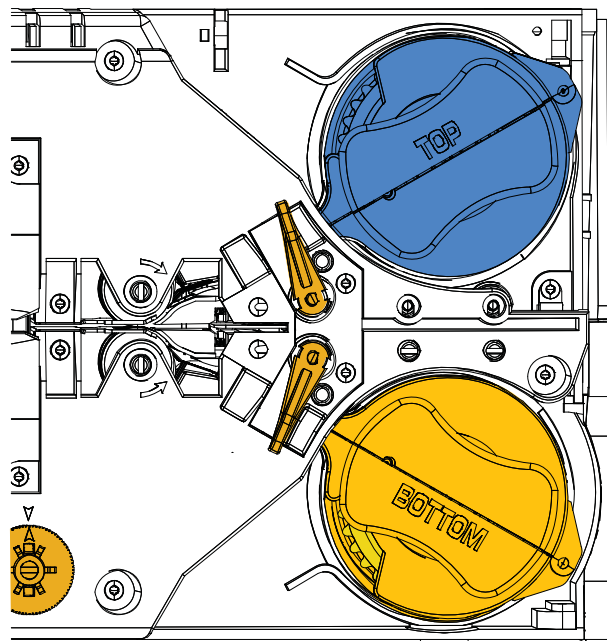
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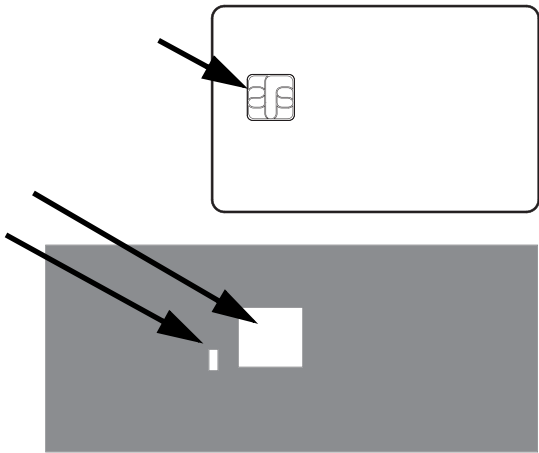
5. 가 가



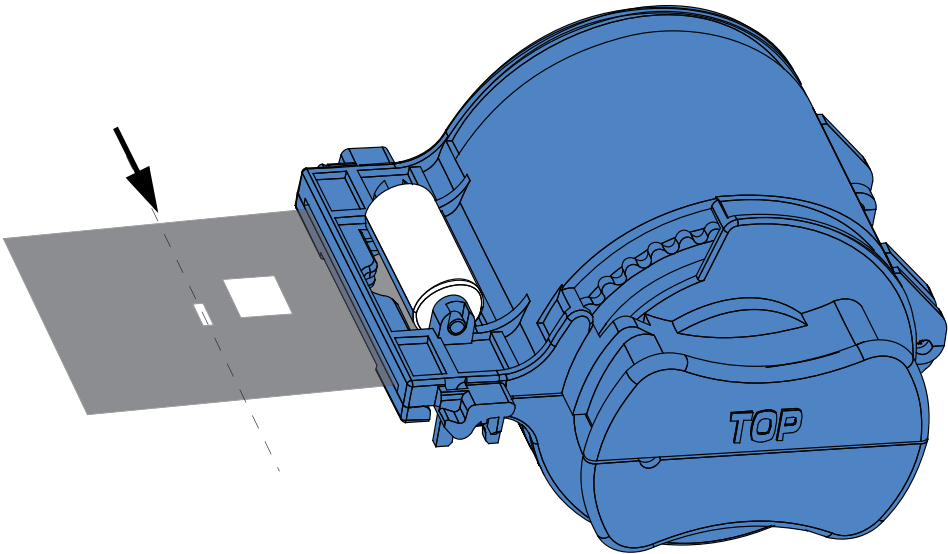
6. 가



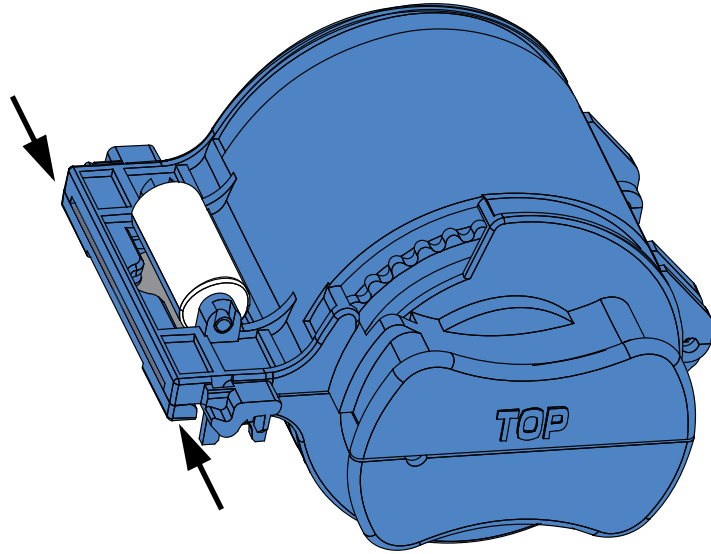
가



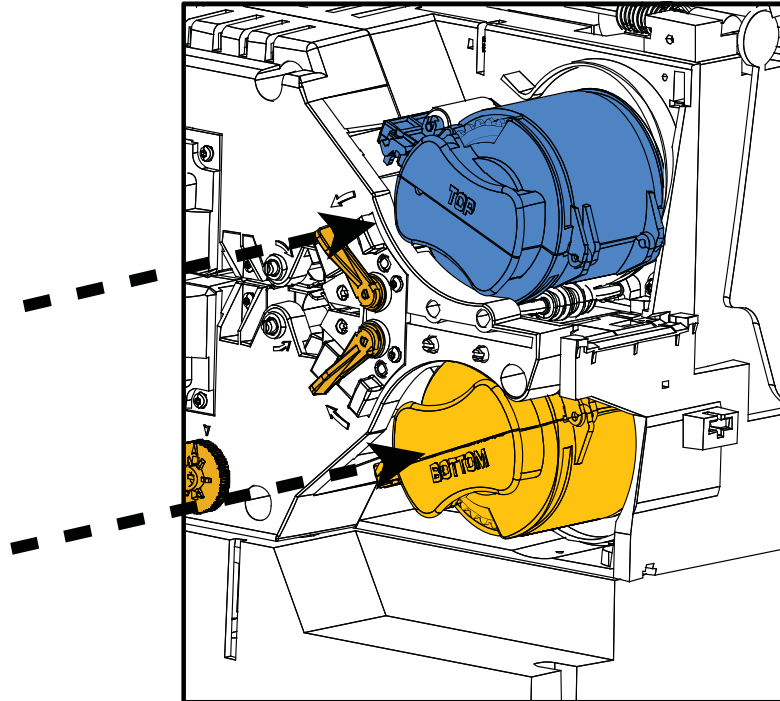
- 1. 19
- 2. , 가
- 3. 21
- 4.



5. ( 가 가 ) . 22



6. . 24







- ( , )

3 가

" " 51 mm(2 )  
( , ) ( , )

" " 2 가

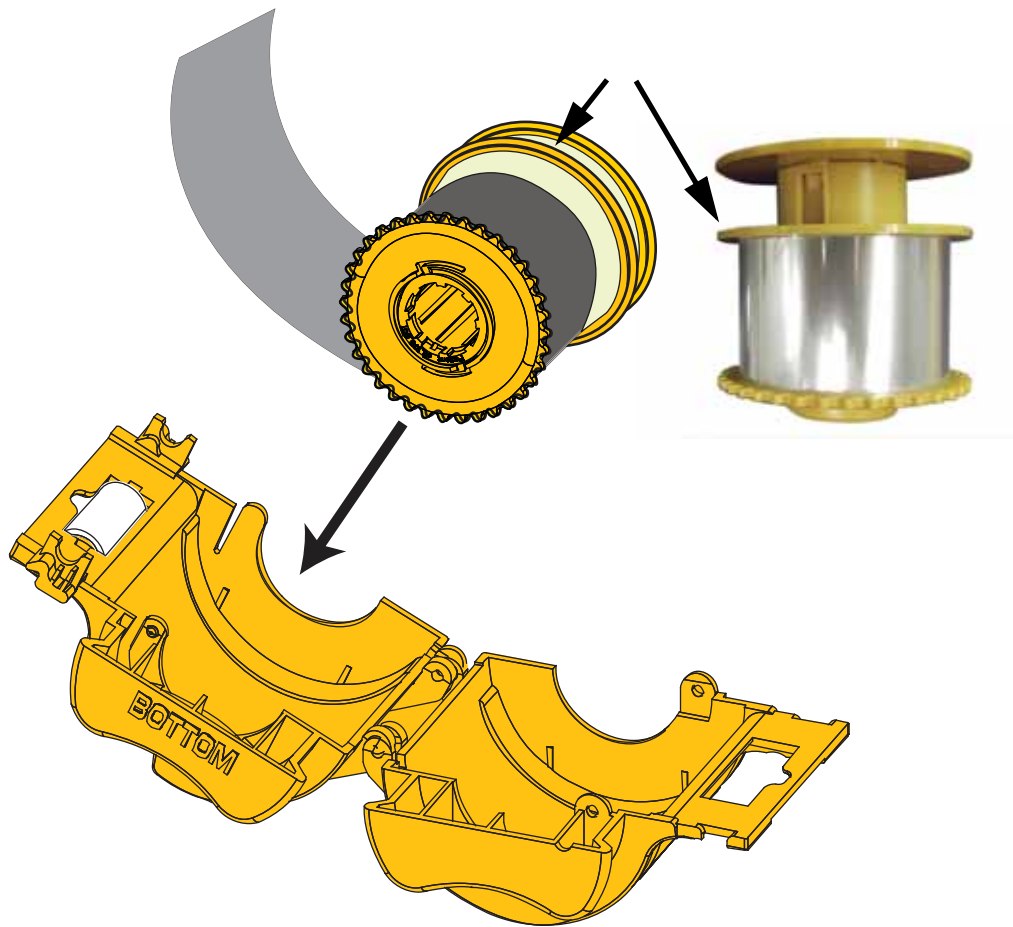
- 42mm(1.66 )
- 33mm(1.33 ) 가

가



( )

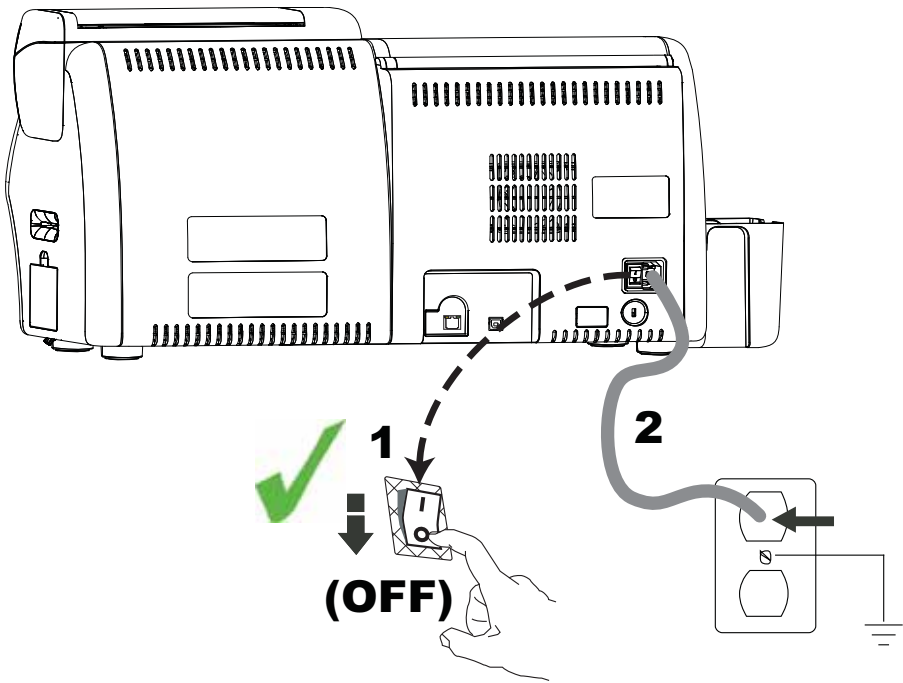
1. . 19
2. , 가
- 3.



4. . 22
5. . 23
6. . 24



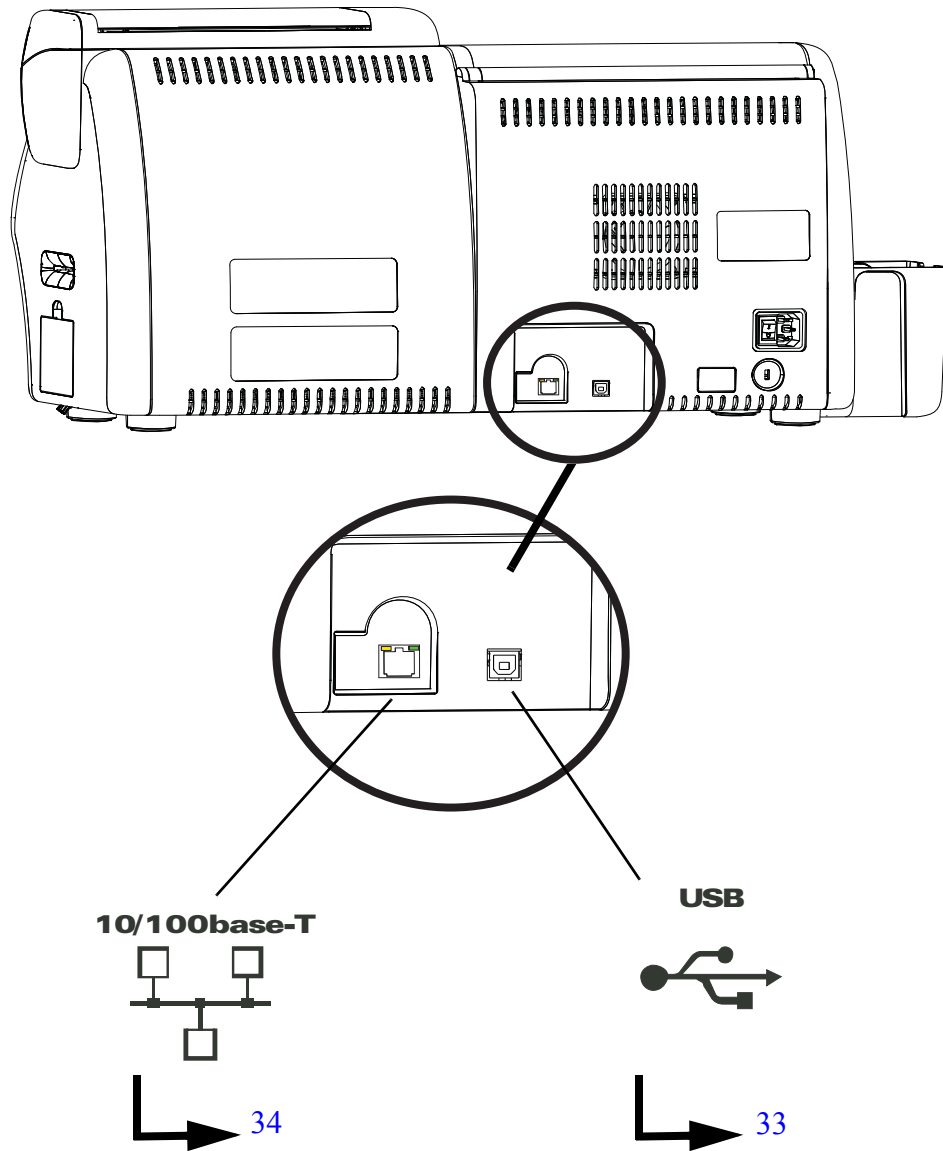
|   |    |                             |   |
|---|----|-----------------------------|---|
| • | AC | 90V~264V, 47-63Hz(50-60Hz ) | . |
|   |    | 16                          |   |
| . | ,  | 가                           | . |
|   |    |                             | 가 |
| , |    | 가                           | . |
|   |    |                             | . |



1. OFF(○)
2. AC AC

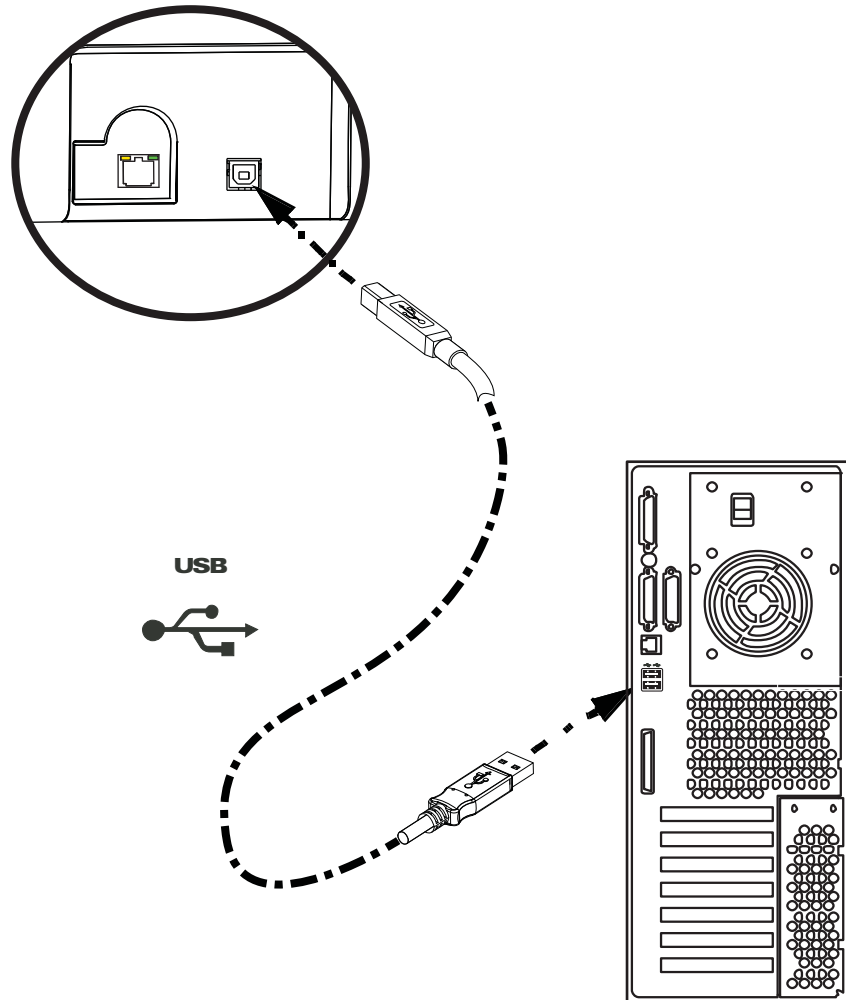


-

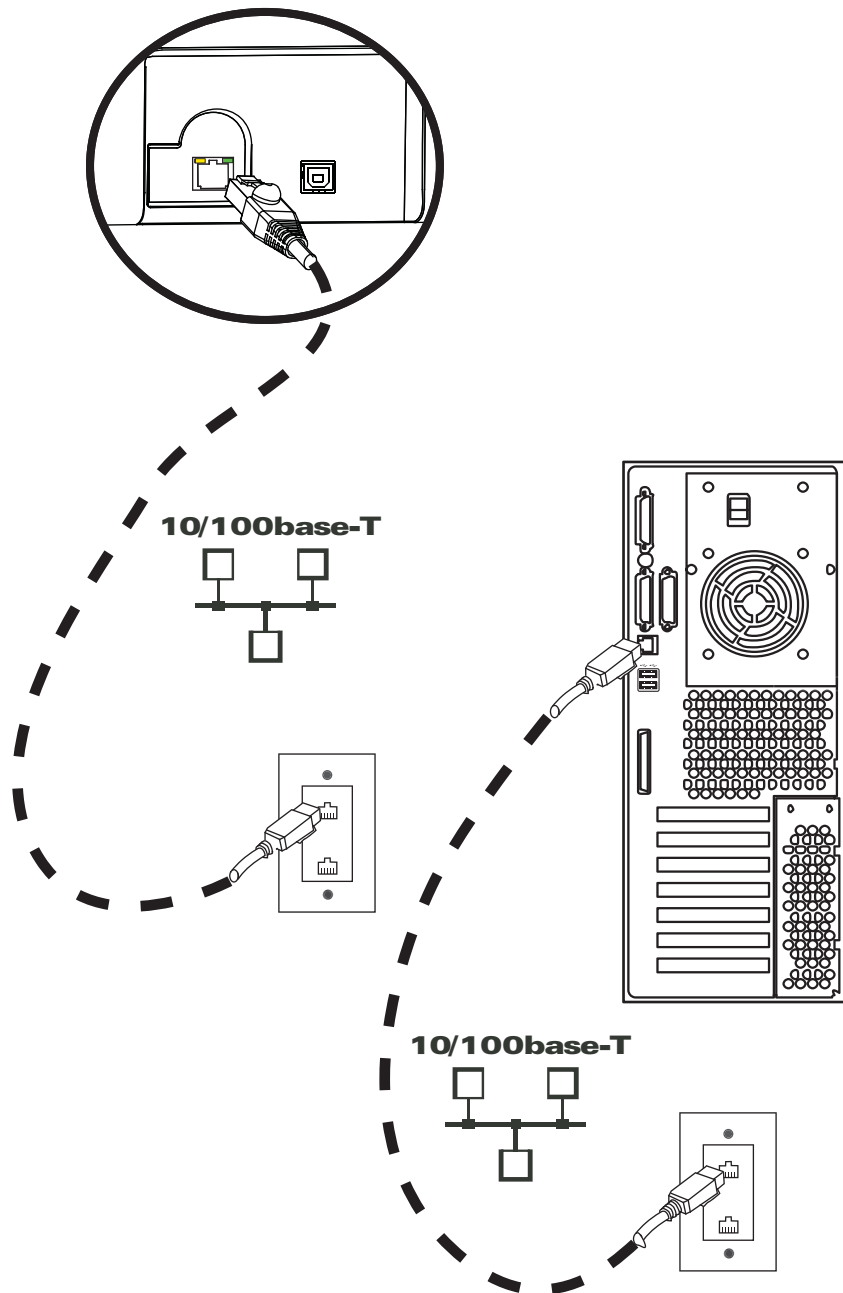


## USB

1. USB
2. 가 OFF(○)



- 1.
2. ON( )

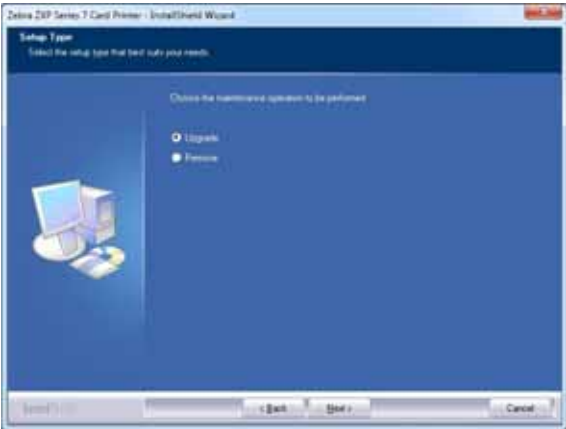


Windows

USB

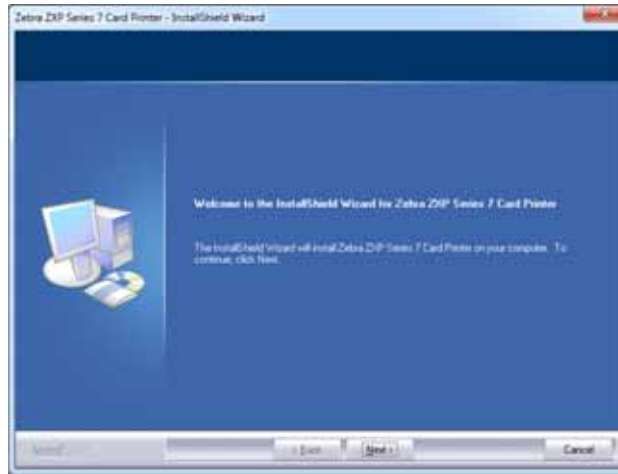


- 41
- 1. 가 ,
- 2. USB USB
- 3. 가 OFF(O)
- 4. User Documentation and Drivers CD( CD) Main Menu( ) 가
- 5. Main Menu( ) [Install Zebra Printer Driver(Zebra )]
- 6. 가 , Welcome( ) 8



- 7. a. , [Upgrade( )]
- b. 가 USB , [Modify( )]
- c. [Remove( )] , [Yes( )] [No( )] 가

8. InstallShield Wizard(InstallShield )  
 , [Next( )]



9. Install USB printer drivers(USB )  
 [Next( )]

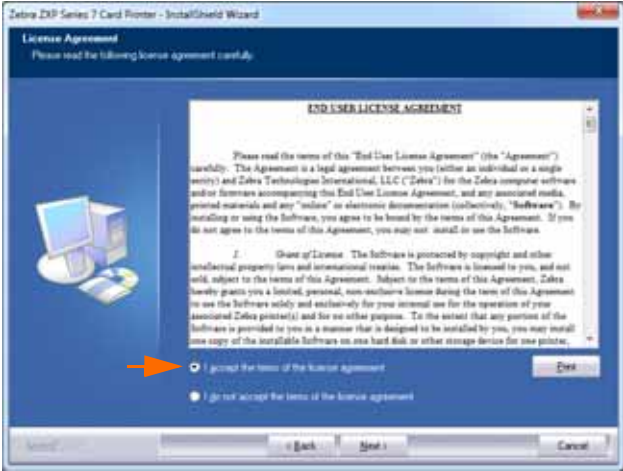


10. 가 OFF(O) , [OK( )]  
가

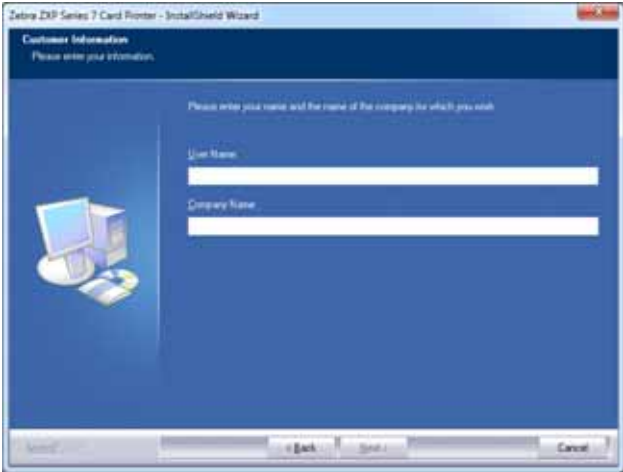




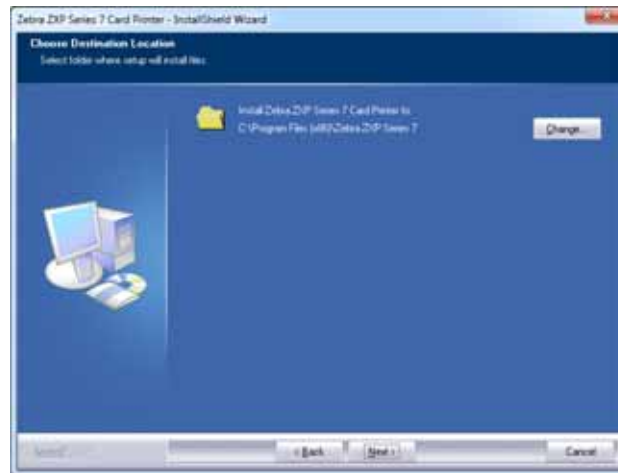
11. License Agreement( )  
, I accept the terms of the license agreement(  
) , [Next( )]



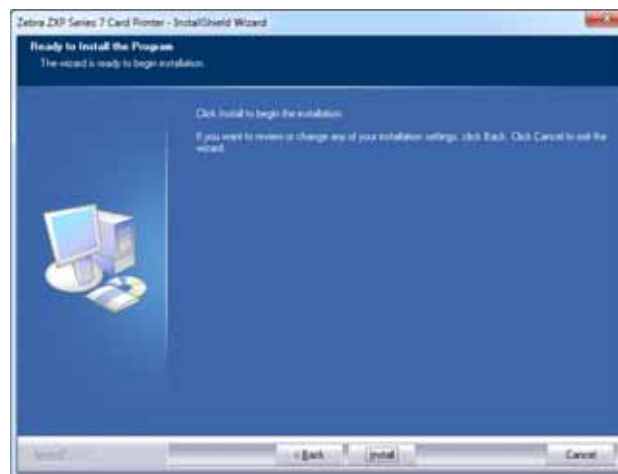
12. Customer Information( )  
가 , [Next( )]



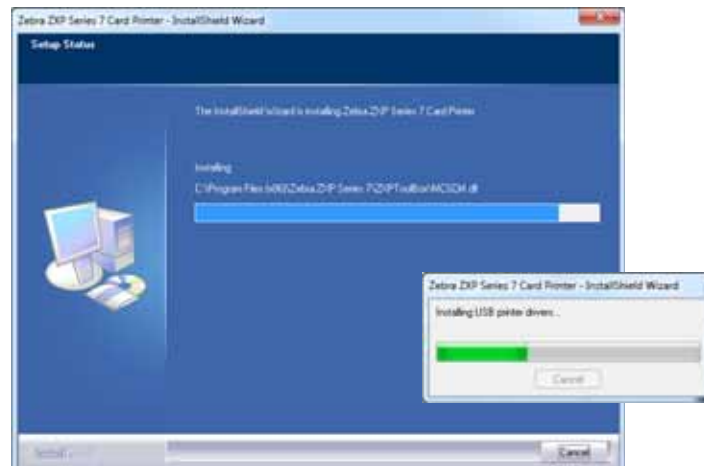
13. Choose Destination Location( ) .
- , [Next( )]
- 
- [Change( )] , [Next( )]



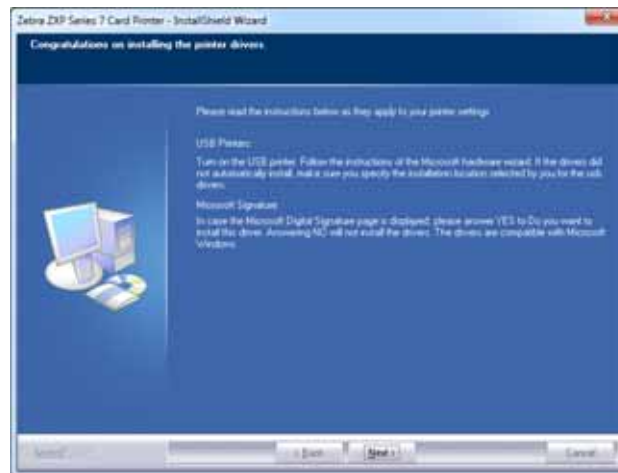
14. Ready to Install the Program( )
- [Install( )]



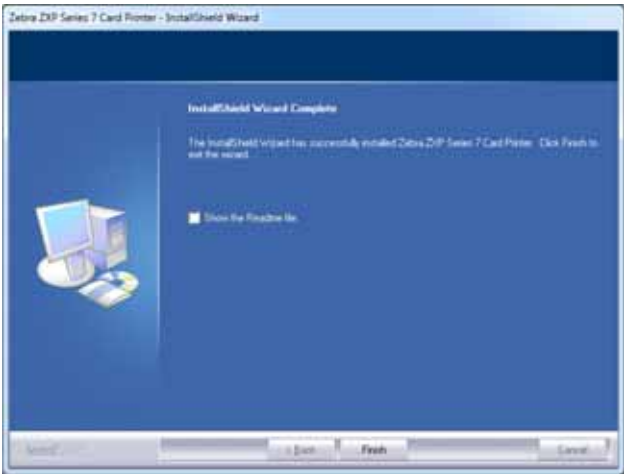
### 15. [Setup Status( )]



**16. Congratulations( )** . USB  
 , [Next( )]



17. InstallShield Wizard Complete(InstallShield ) ,  
[Finish( )]



18. USB 가 .



- , / , 가 ( , ),  
 . *Printing Preferences*(  
 ) - 75 .



- USB

35

IP      가

- 1. IP** (OCP)

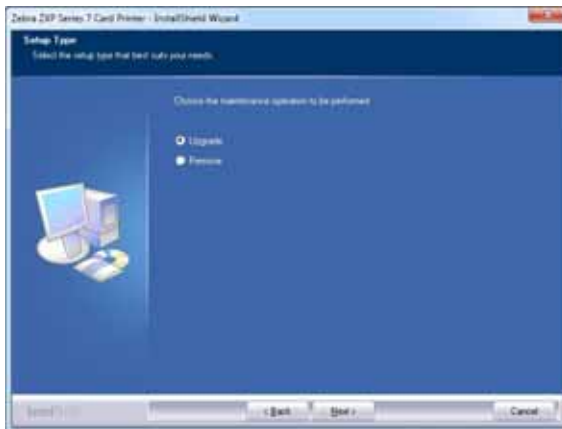


- |    |                                |  |  |
|----|--------------------------------|--|--|
| 2. | OCP(                      )    | INFO                                   | [Printer Info(                      )] |
| 3. | [NEXT(                      )] | [Network Info(                      )] |  |
| 4. | IP(IPv4)                       | 10.1.24.66                             |  |
| 5. | [NEXT(                      )] | IPv6                                   |  |
| 6. | IPv6                           | 207:4DFF:FE45:6B22                     |  |
| 7. | [EXIT(                      )] |  |  |
| 8. | 가 IPv4                         | IPv6                                   |  |



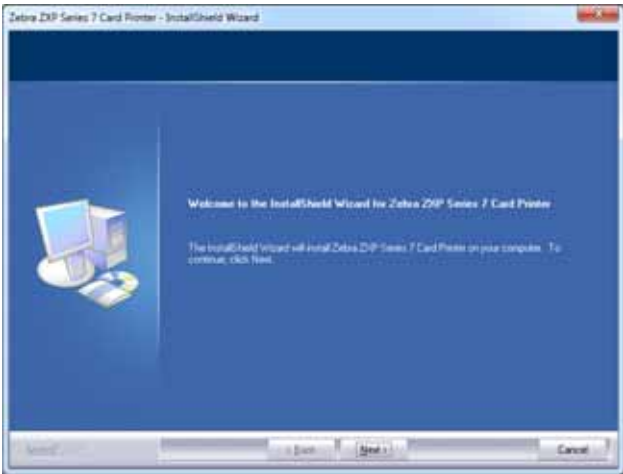
- 가 .
- 1. 가 ,  
(|).
- 2.
- 3. 가 ON()
- 4. **User Documentation and Drivers CD**( **CD**)  
Main Menu( ) 가
- 5. **Main Menu**( ) **[Install Printer Driver**( )]
- 6. 가 , **Welcome**( )

8



- 7.
  - a. , [Upgrade( )]
  - b. 가 USB , [Modify( )]
  - c. **[Remove( )]** , [Yes( )]  
[No( )]  
가

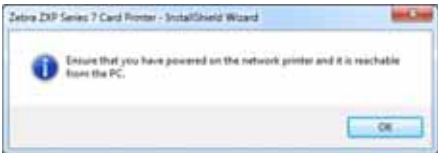
8. InstallShield Wizard(InstallShield )  
 , [Next( )]



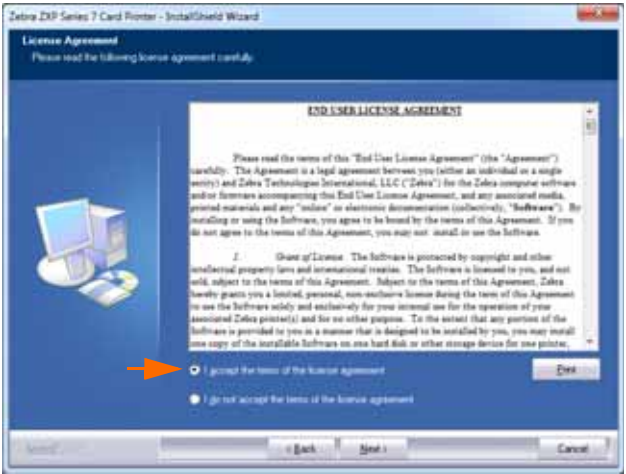
9. Install Ethernet printer drivers( )  
 [Next( )]



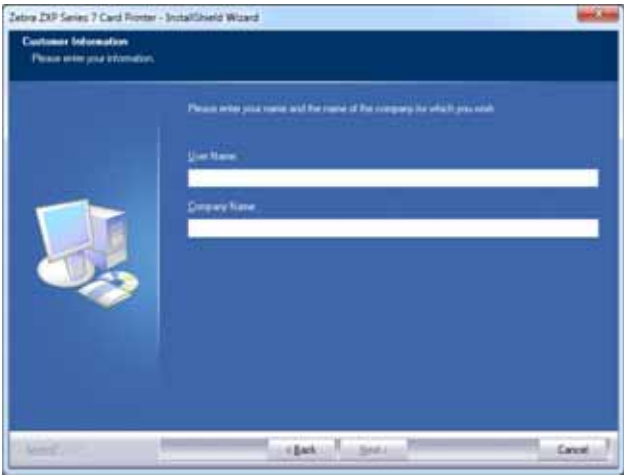
10. 가 ON (|) , [OK( )]



11. License Agreement( )  
, I accept the terms of the license agreement( )  
, [Next( )]

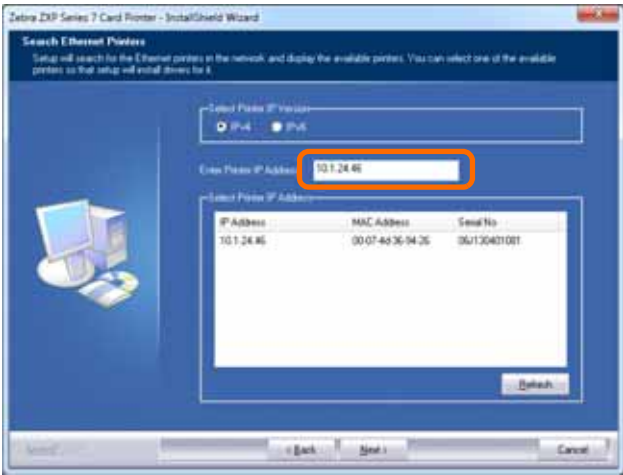


12. Customer Information( )  
가 , [Next( )]

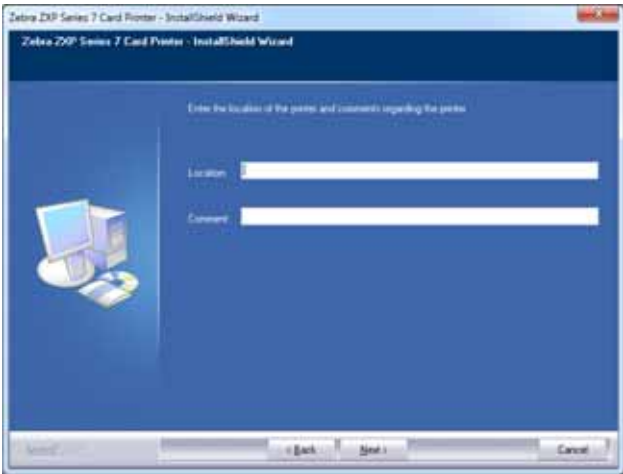




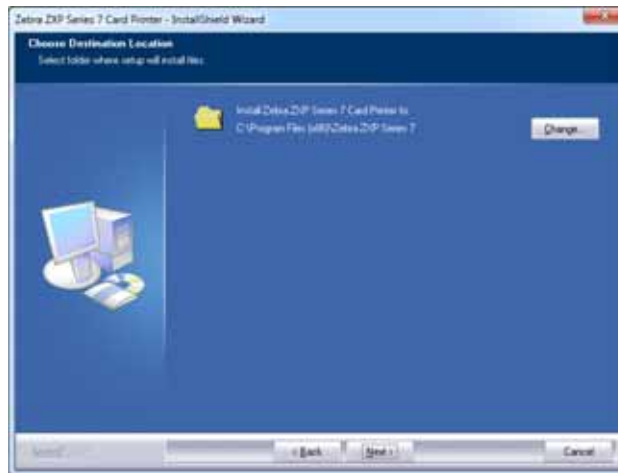
13.
- Search Ethernet Printers( )
- Printer IP Version( IP )(IPv4
- ipV6) , [Refresh( )]
- 가
- , [Next( )]
- 
- 
- 가
- 가
- IP ( , [Next( )]



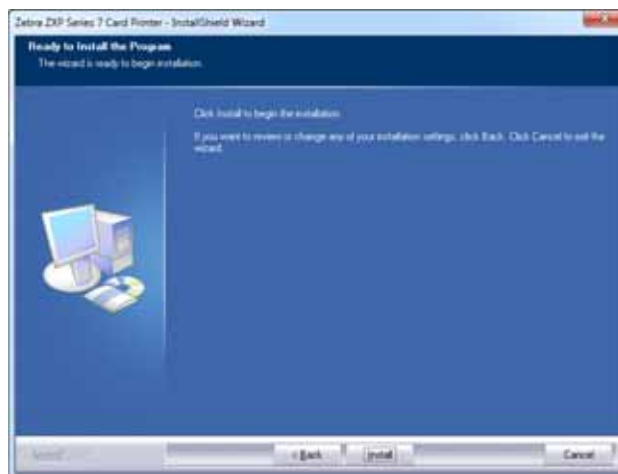
14.
- Location( ) , Comments( )
- 가 , [Next( )]



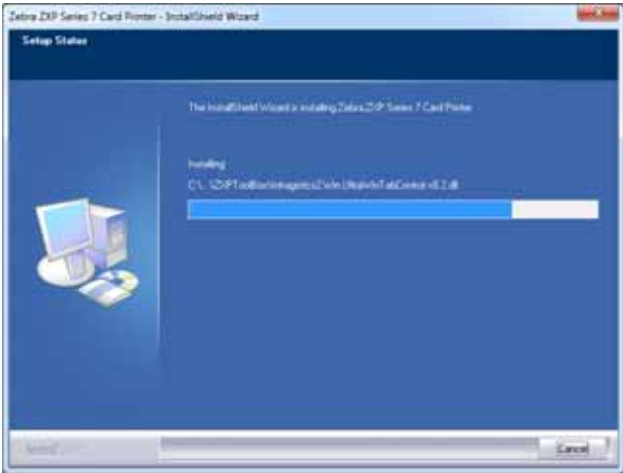
15. Choose Destination Location( ) .
- , [Next( )]
- 
- [Change( )] , [Next( )]



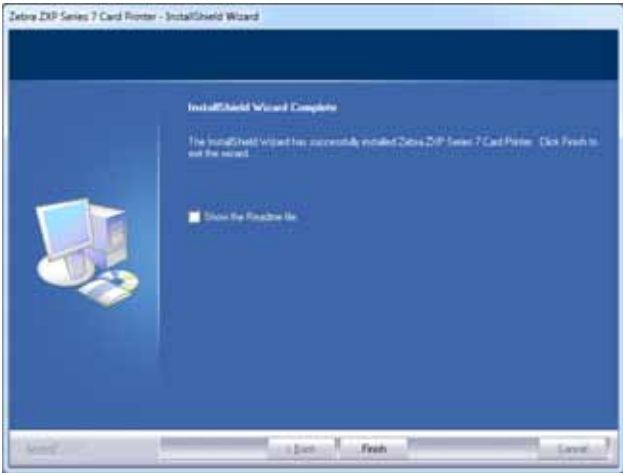
16. Ready to Install the Program( )
- [Install( )]



17. Setup Status( )



18. InstallShield Wizard Complete(InstallShield [Finish( )])



19. 가



• , / , ( , ), , *Printing Preferences*( ) - 75

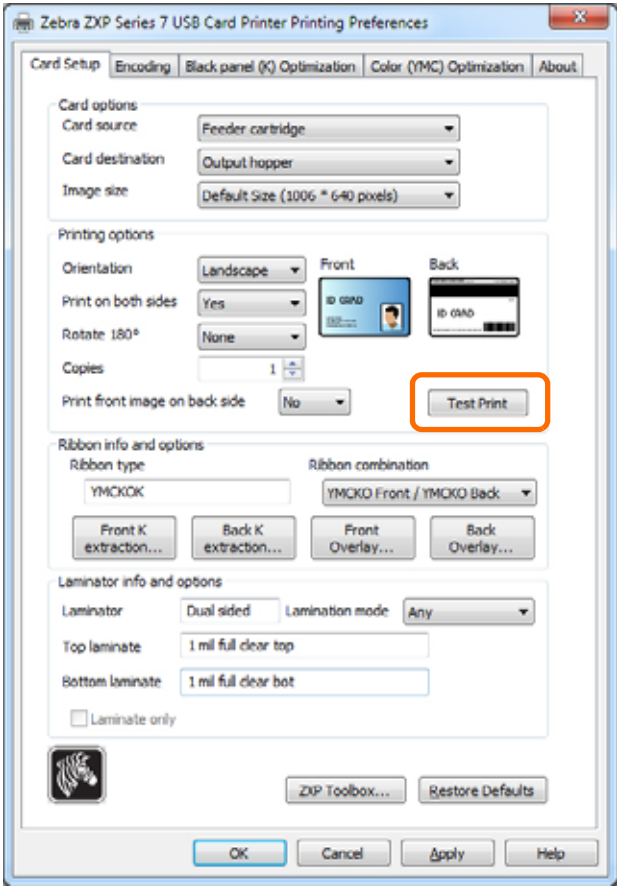




## Windows

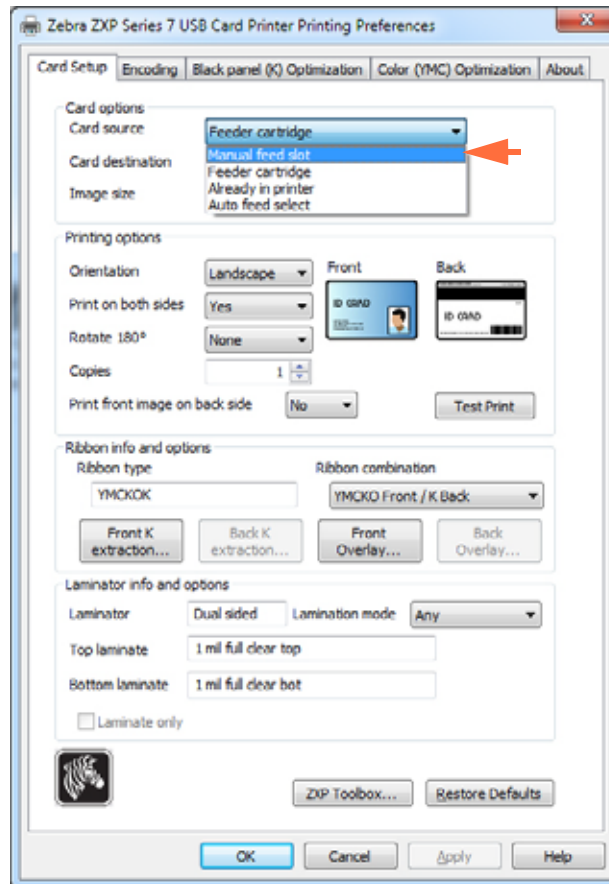
- ( [2](#), [Windows](#) ).
- ( [2](#), ).
- ( )
- .
- (Microsoft Certified Windows ZMotif SDK ).

1. [Card Setup( )]
2. [Start( ) > Devices and Printers( [Zebra ZXP Series 7 Card Printer] , [Printing preferences( ) > Card Setup( )]



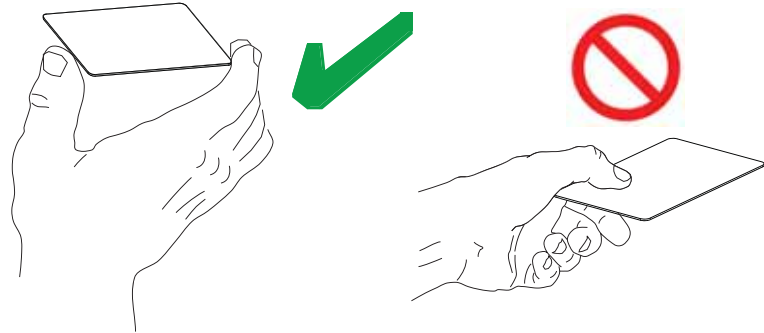
2. 가
3. [Test Print( )] ( ).
4. 가 , 가
5. 가

1. [Card Setup( )]
2. [Start( ) > Devices and Printers( [Zebra ZXP Series 7 Card Printer] , [Printing preferences( ) > Card Setup( )]



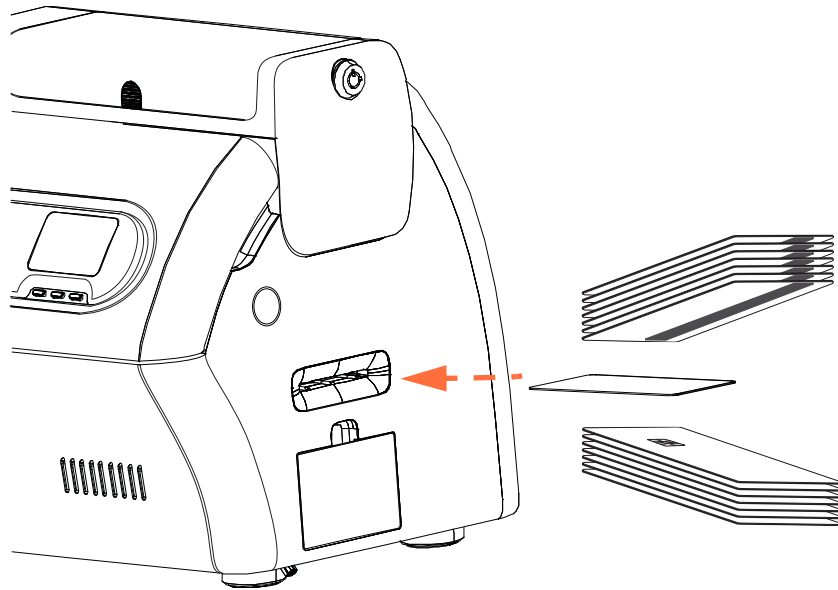
2. [Card Setup( )]
3. [Apply( )]
4. [OK( )]

5. 가 가



6.

- 
- 가
- 
- 가 , F



7. 가 " "

8.



(OCP)

OCP 1 OCP 가 3 " " 가 READY( )



- **MENU**( ) [Main Menu( )]
- **INFO**( ) [Printer Settings( )]

OCP 가

- , 54
- , 55
- , 55

(OCP)

| ALARM( )                               | .                                 |
|--|-----------------------------------|
| CANCELING( )                           | [Cancel( )] , .                   |
| CONFIGURATION DATA( )                  | 가 .                               |
| CONTACT OPERATION( )                   | 가 , 가<br>가 .                      |
| CONTACTLESS OPERATION( )               | 가 , 가<br>가 .                      |
| COOLING( )<br>PRINthead TEMPERATURE( ) | .                                 |
| COOLING( )<br>WAITING TO LAMINATE( )   | 가 , .                             |
| DIAGNOSTIC( )                          | 가 .                               |
| JOB DATA( )                            | 가 .                               |
| LAMINATING( )                          | , .                               |
| MAG OPERATION( )                       | 가 , 가<br>가 .                      |
| MANUALLY INSERT CARD( )                | ( ) [Card<br>Setup( )]<br>51 76 . |
| OFFLINE( )                             | OCP 가<br>( / ).                   |
| PAUSING( )                             | .                                 |
| PRINTING( )                            | , 가 .                             |
| READY( )                               | .                                 |
| STANDBY( )                             | 가 " " ( ) .                       |
| WAIT( )<br>INITIALIZING( )             | 가 .                               |
| WARMING(가 )<br>WAITING TO LAMINATE( )  | 가 가<br>, 가<br>가 가 .               |

| WARMING( )<br>PRINthead TEMPERATURE( ) | 가 .                      |
|--|--------------------------|
| WARNING( )                             | 가 OCP<br>RIBBON LOW( ) . |

가 .

| ( )                    |                   |
|------------------------|-------------------|
| BOTH LAMINATES LOW( )  | ( )가<br>- 18 .    |
| BOTTOM LAMINATE LOW( ) | 가 . ,<br>- 18 .   |
| CLEAN FEEDER( )        | 가 . - 130         |
| CLEAN CARD PATH( )     | 가 .<br>- 130 .    |
| CLEAN LAM CARD PATH( ) | 가 .<br>- 134 .    |
| CLEAN LAM ROLLERS( )   | 가 .<br>- 134 .    |
| CLEAN LAM OVEN( )      | 가<br>( )가 - 138 . |
| RIBBON LOW( )          | . - 15            |
| TOP LAMINATE LOW( )    | 가 .<br>- 18 .     |

7, ,가 , 가

가

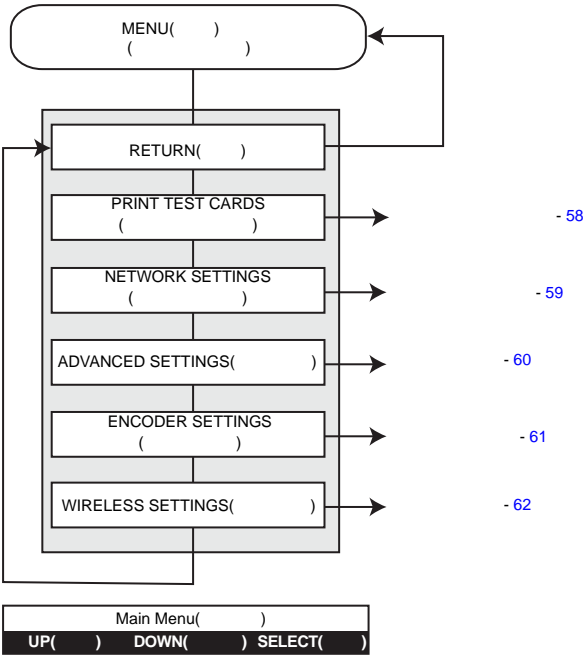


3:

(OCP)

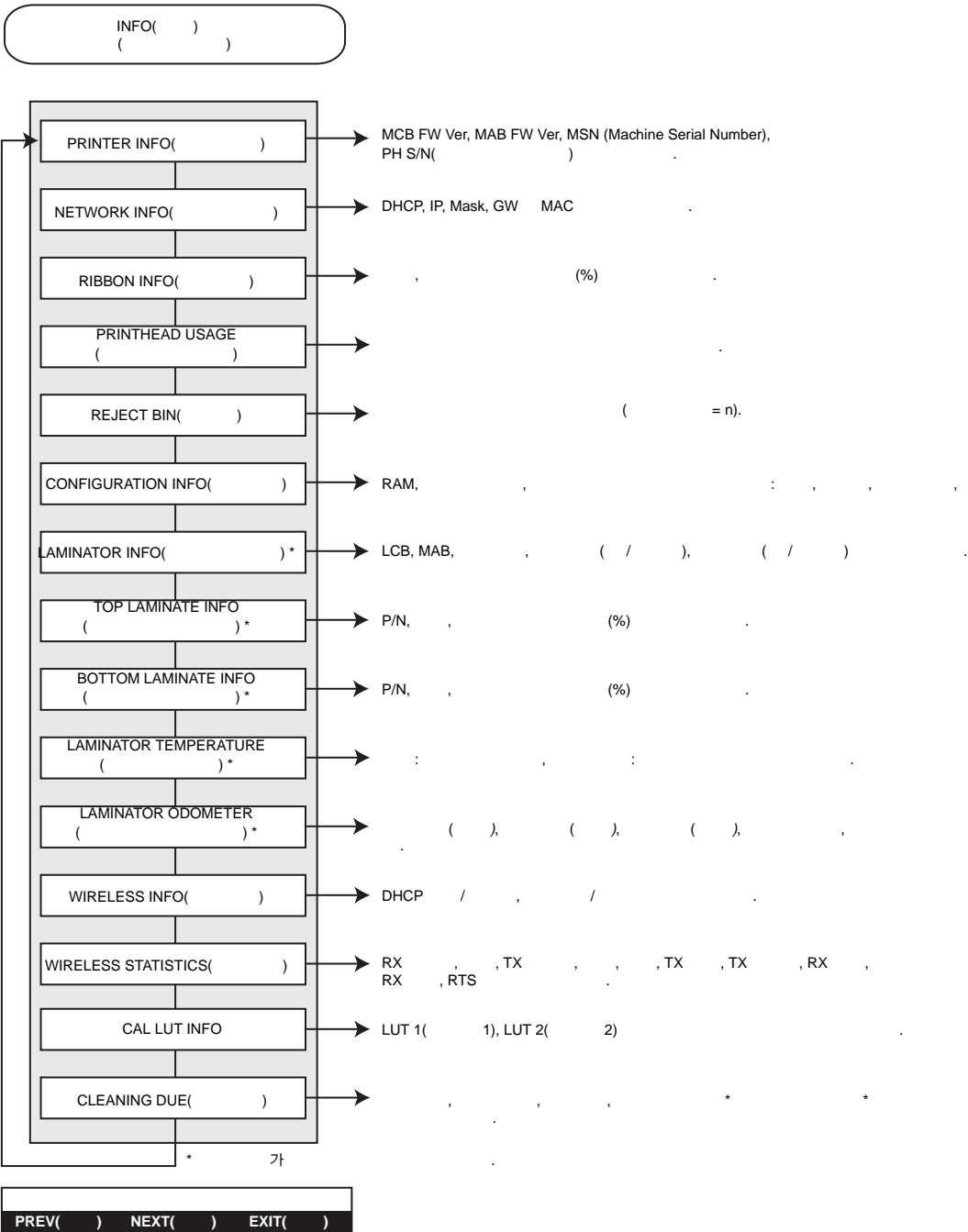
1 OCP 3 OCP

Main Menu( )



- [UP( )]
- [DOWN( )]
- [SELECT( )]

Info Menu( )

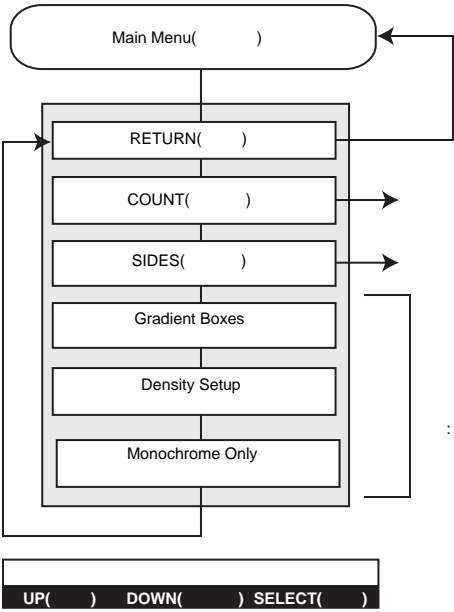


- [PREV( )]
- [NEXT( )]
- [EXIT( )]



3:

(OCP)

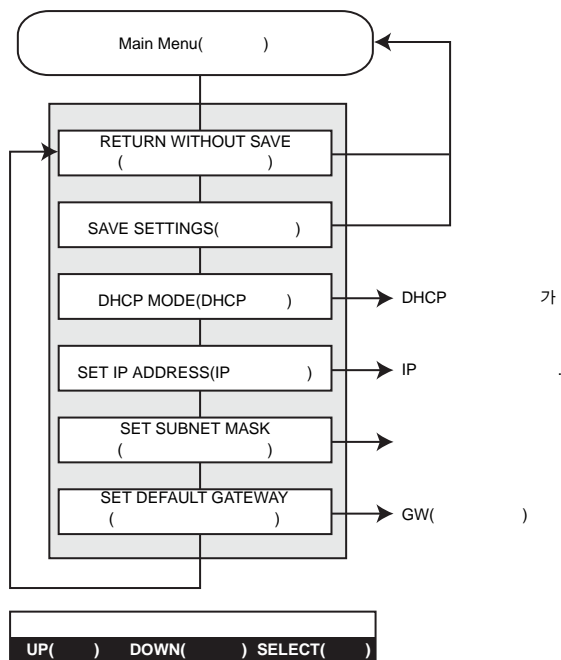


- [UP( )]
- [DOWN( )]
- [SELECT( )]

(1, 5, 10, ..., 100).

- 151

가

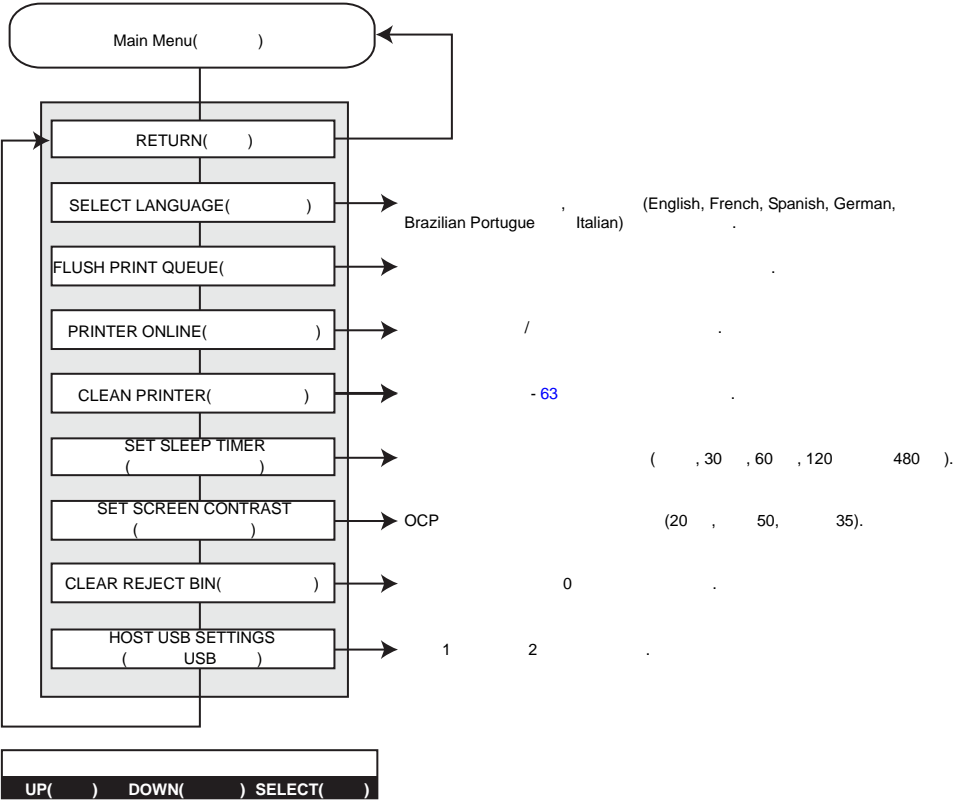


- [UP( )]
- [DOWN( )]
- [SELECT( )]



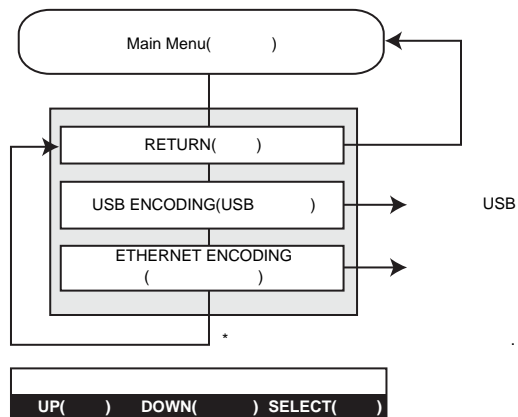
3:

(OCP)

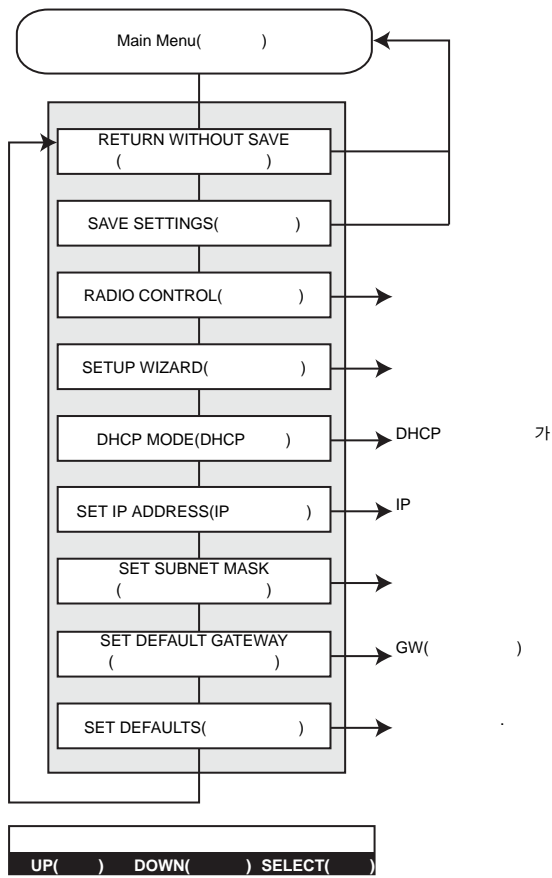


- **[UP( )]**
- **[DOWN( )]**
- **[SELECT( )]**

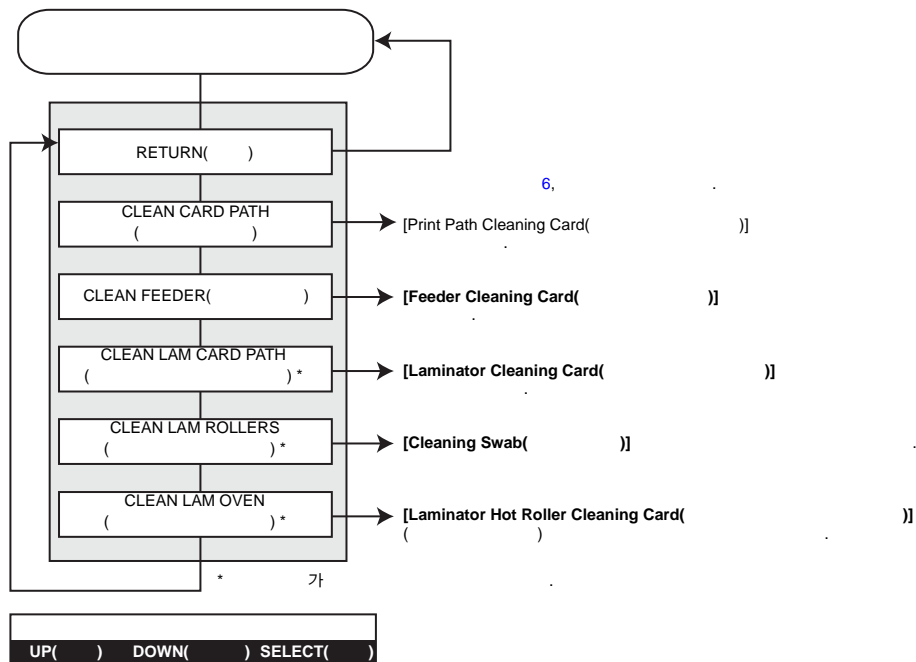




- [UP( )]
- [DOWN( )]
- [SELECT( )]



- [UP( )]
- [DOWN( )]
- [SELECT( )]



- [UP( )]
- [DOWN( )]
- [SELECT( )]

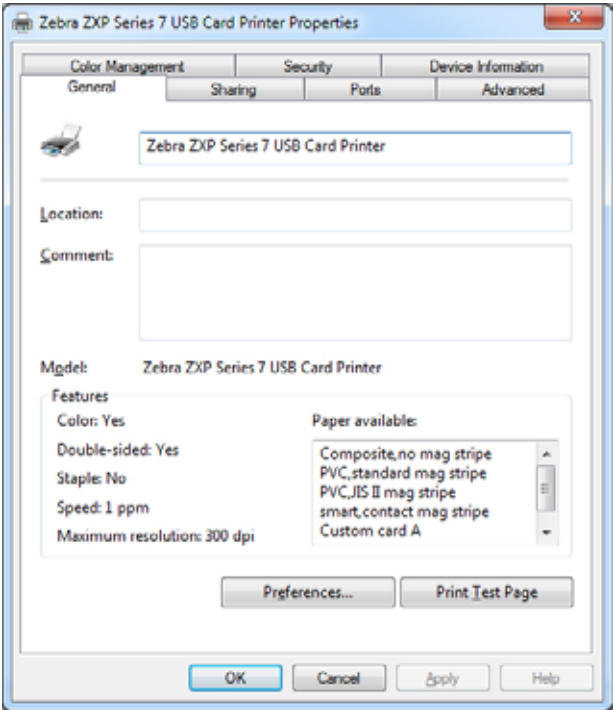




---

|                         |    |
|-------------------------|----|
| Windows                 |    |
| 2 가                     |    |
| .....                   | 66 |
| Printing Preferences( ) | 75 |

Card Printer Properties( )  
 , Windows 7 , [Start( ) > Devices and Printers(  
 )]  
 . [Zebra ZXP Card Printer]  
 , [Properties( )]



General( ) .....67

Sharing( ) .....68

Ports( ) .....69

Advanced( ) .....70

Color Management( ) .....71

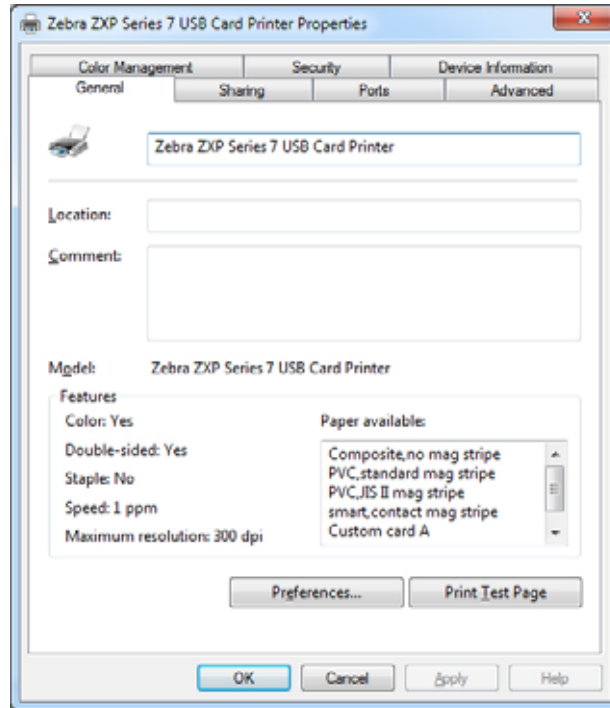
Security( ) .....72

Device Information( ) .....73

[OK( )]  
[Cancel( )] [Printer Properties( )]  
[Apply( )]  
[Help( )]

## General(      )

[General(      )]



- **Location**(      ) -      가

- **Comment**(      ) -

가

- **Model**(      ) -

- **Features**(      ) -

가

[**Printing Preferences**(      )]

[**Printing Preferences**(      )]

*Printing Preferences*(      ) - 75

[**Print Test Page**(      )]

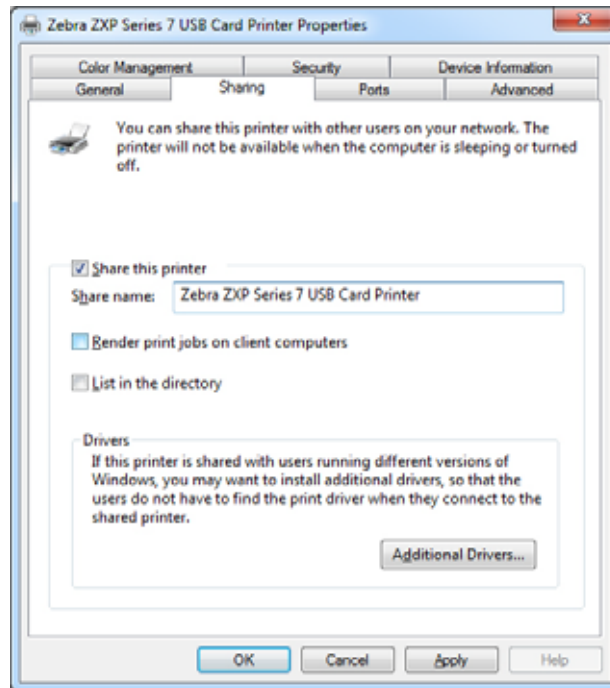
Windows

## Sharing(      )

[Sharing(      )] OS  
가

Windows Vista      *Render print jobs on client computers*(  
)

[Change Sharing Options(      )]



Windows 가

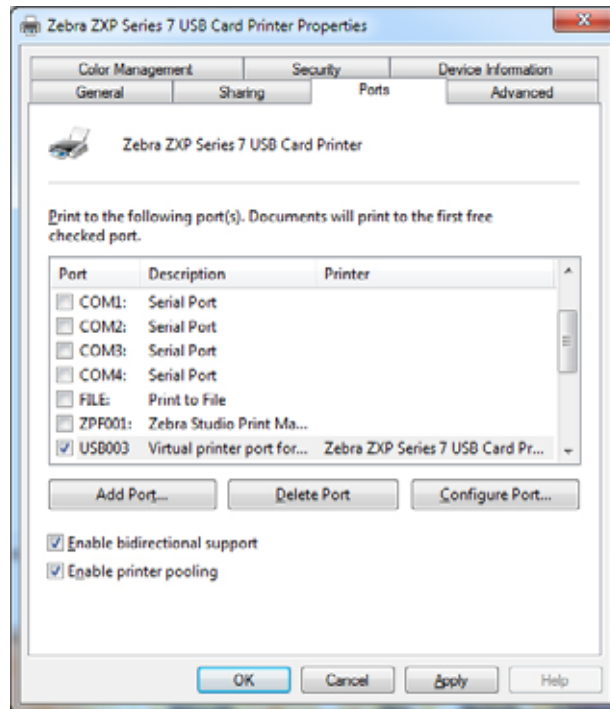


## Ports( )



- Enable bi-directional support(가 )

[Ports( )] 가

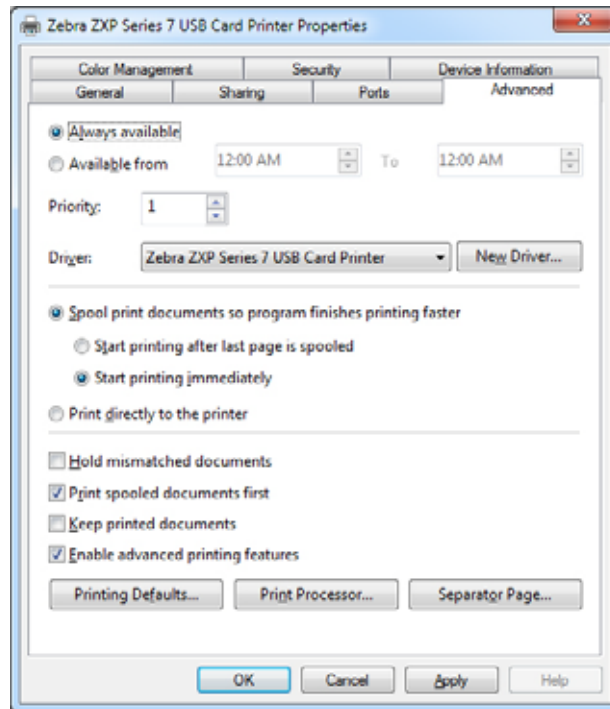


A

Windows 가

## Advanced(      )

[Advanced(      )] (      )



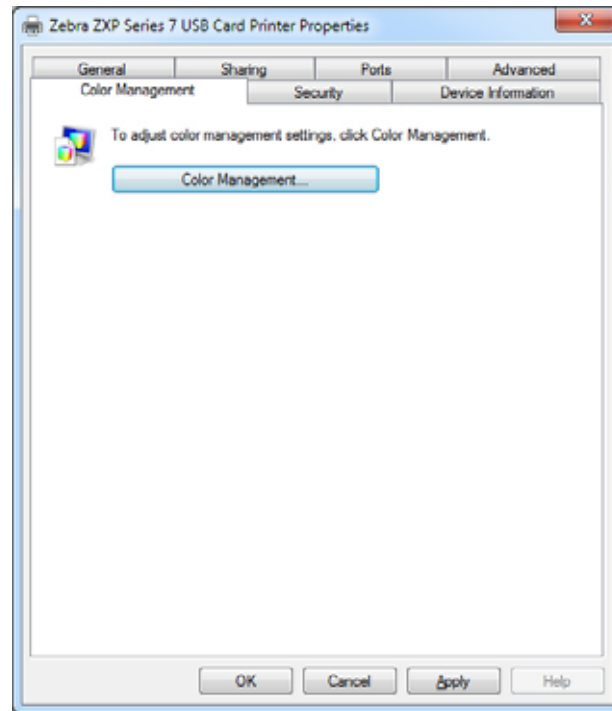
Windows 7



## Color Management( )

Windows

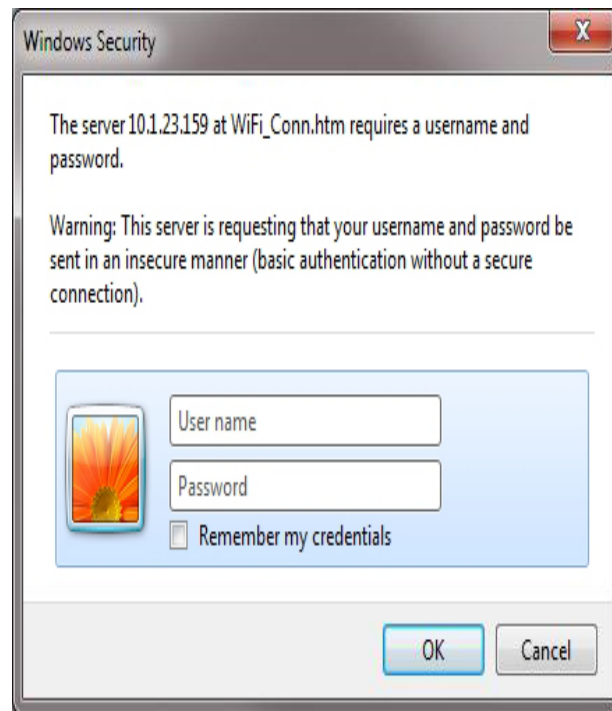
[Color Management( )]



Windows 가

## Security( )

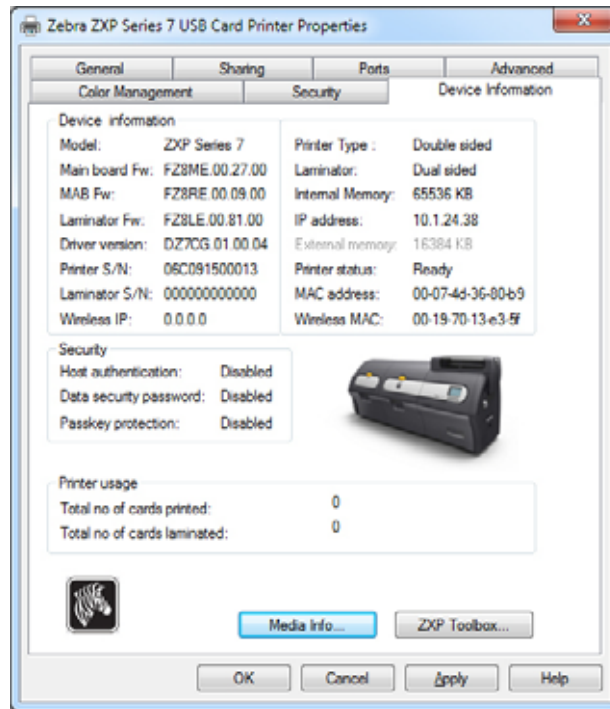
Windows



Windows 가

## Device Information( )

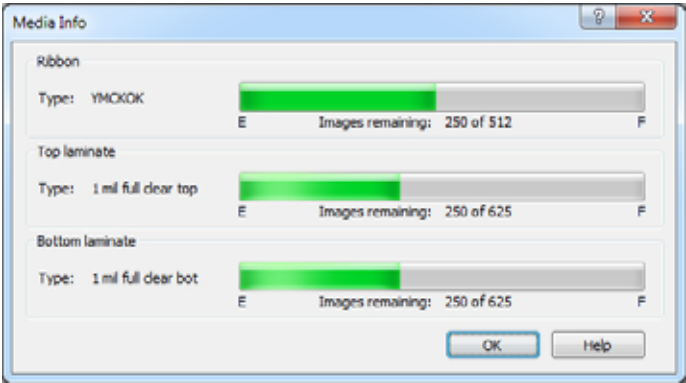
[Device Information( )]  
ZXP Toolbox



- [Media Info( )] [ (Media Info)]
- [ZXP Toolbox(ZXP )]  
ZXP  
5, *ZXP*  
ZXP Windows

**Media Info( )**

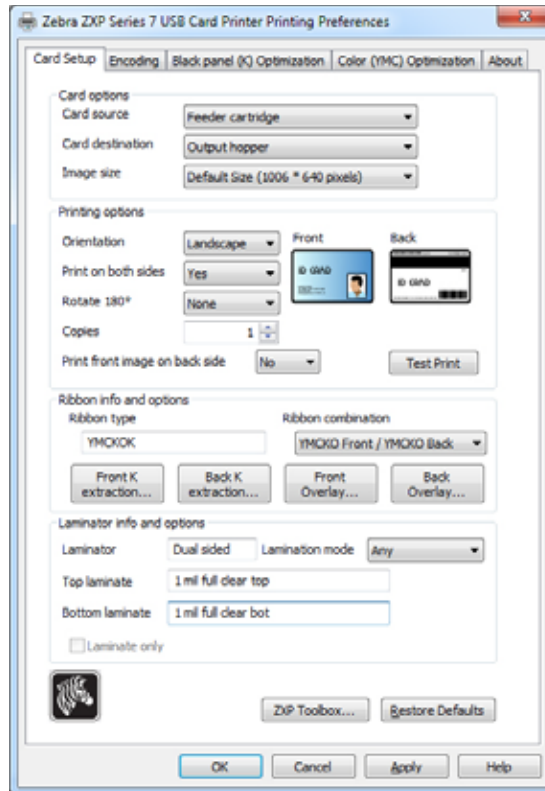
Media Info( )



- **Ribbon( )**:
- **Top Laminate( )**:
- **Bottom Laminate( )**:

## Printing Preferences( )

Card Printing Preferences( )  
 . , Windows 7 , [Start( )] > Devices and Printers( )  
 )] . [Zebra ZXP Card Printer]  
 , [Printing preferences( )]



|                                 |    |
|---------------------------------|----|
| Card Setup( )                   | 76 |
| Encoding( )                     | 87 |
| Black Panel (K) Optimization( ) | 88 |
| Color (YMC) Optimization( )     | 92 |
| About( )                        | 95 |

Toolbox( ) ZXP Toolbox 가  
 5

[Restore Defaults( )]

[OK( )]

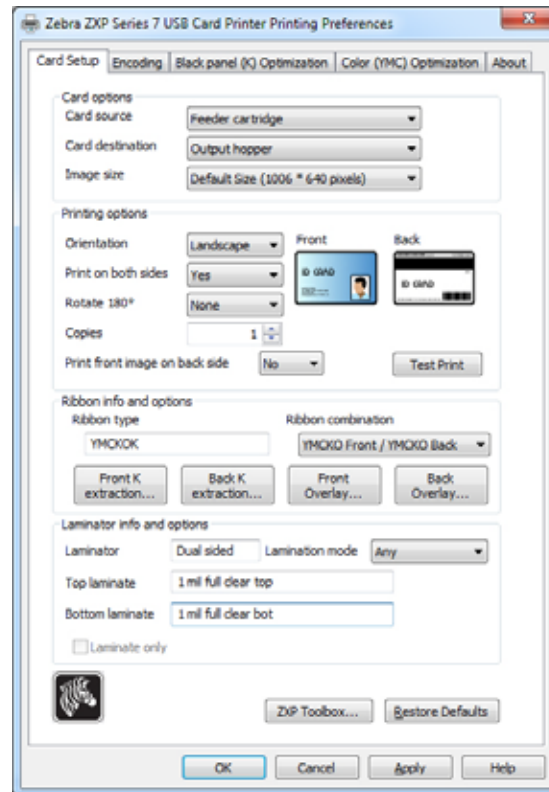
[Cancel( )] [Printing Preferences( )]

[Apply( )]

[Help( )]

**Card Setup( )**

[Card Setup( )]



- **[Card options( )]** Card Source( ) Card Destination( )
  - Card source( )
    - Manual feed slot( ): , 가
    - Feeder cartridge( ) --
    - Already in printer( )( SDK
    - Auto feed( ): , X
  - Card destination( )
    - Output hopper( ) --
    - Reject tray( )
    - Leave in printer( )( SDK



- **Card options( )**
  - Image size( )
    - Default Size( )(1006 \* 640 ): Zebra 가
    - Zebra P640i
      - Compatibility 1(578 x 952 )
      - Compatibility 2(610 x 968 )
      - Compatibility 3(600 x 952 )
- **Printing( ) :**
  - **Orientation( ):** 가

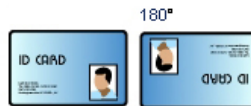


Portrait( )



Landscape( 가 )

- **Print on both sides( ):**
- **Rotate 180°(180°):** 180° None( )
  - ), Front( ), Back( ) Front & Back( )



- **Copies( ):**
- **Print the front image on the back side( ):** Yes No
  - 가



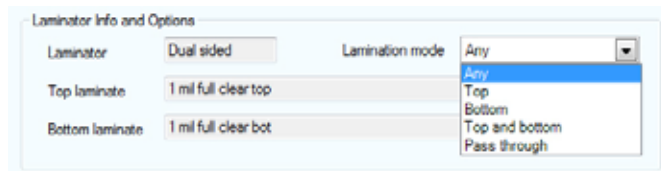
[Test Print( )]

- **Ribbon info( ) :**
    - **[Ribbon type( )]** ( , YMCKOK)
    - **[Ribbon combination( )]** ( , YMCKO Front/YMCKO Back).
    - , **Front( )** **Back( )**
  - [Black Panel Options\( \)](#) - 79
  - [Overlay Varnish\( \)](#) - 82
  - [UV Panel\(UV \)](#) - 83
- **Laminator info( ) :**

가

가 **Lamination mode( )**

    - *Any( )*: , ( )
    - *Top( )*:
    - *Bottom( )*:
    - *Top and Bottom( )*:
    - *Pass through( )*: 가



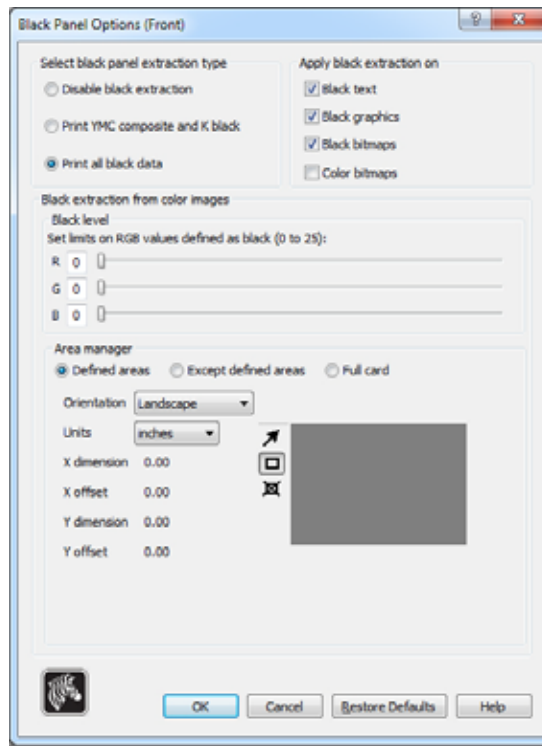
**Laminate only( )**  
*Lamination mode( )* 가 Top, Bottom Top and  
 bottom *Card destination( )* Output hopper( )  
 ) 가

**Black Panel Options( )**

Black Panel Options( )  
 Y, M C K  
 Back) (K )

Ribbon Combination( )  
 ( , YMCK Front / K

Card Setup( ) , YMC K 가 Ribbon  
**Combination**( ) . [Front K Extraction( K )...] /  
 [Back K Extraction( K )...] 가



(K)

(YMC)

(YMC)



, 가 가 .

• **Select black panel extraction type( ):**

- [Disable black extraction( 가)] YMC K
- [Print YMC composite and K black(YMC K , Y, M C )] ,가 가
- [Print all black data(K )]

• **Apply black extraction on( ):** , ( , ) , 가 ,

- [Black text( )]
- [Black graphics( )]
- **Color bitmaps( )** RGB 0,0,0 Black level( )
- [Black bitmaps( )]

• **Black extraction from color images( ):**

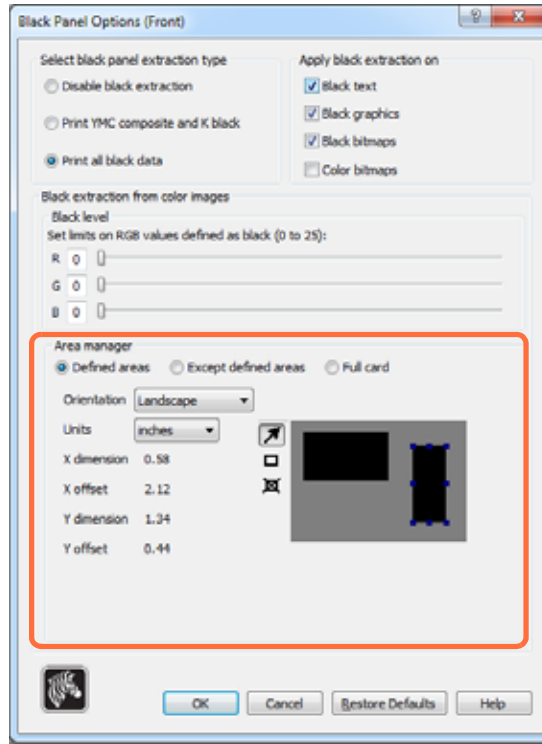
- Black level( ):



RGB 가 0, 0, 0( ) 255, 255, 255( )

25, 25, 25 .

- **Black extraction from color images( )**
  - Area manager( ): [Defined areas( )](  
[Except defined areas( )](  
)



- [Defined areas( )]
- [Except defined areas( )]
- [Full card( )]
- **Orientation( )**: [Orientation( )]  
가
- **Units( )**: [Units( )] mm( )
- X-dimension(X- ), X-offset(X- ), Y-dimension(Y- ) Y-offset(Y- )

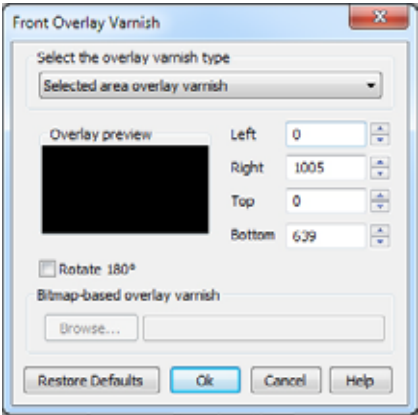
가 : , 가 , : , 가 , : "X" 가 ,



4: Printing Preferences( )

Overlay Varnish( )

가 (UV)  
Overlay Varnish( ) O  
( , YMCKO)



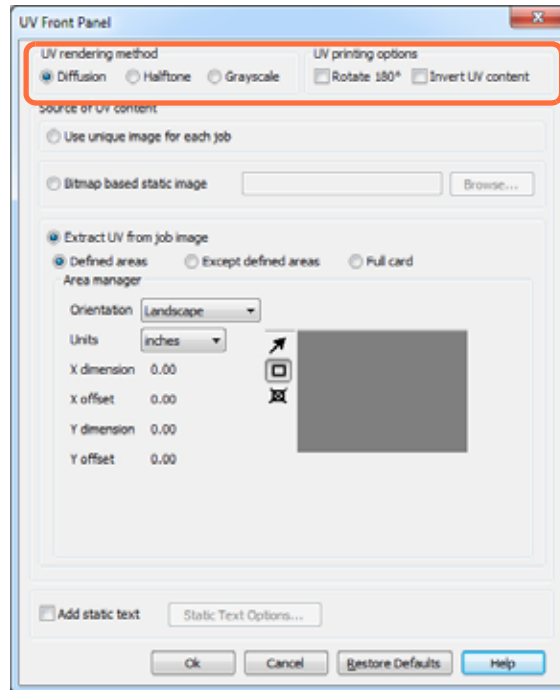
[Select the overlay varnish type( )] - Full overlay varnish( )

- Disable overlay( ) -
- Full overlay varnish( )( ) - (edge-to-edge)
- Selected area blank( ) - 가
- Selected area overlay varnish( ) - 가
- Bitmap based overlay varnish( ) - 1
- Smartcard ISO( ISO) -
- Smartcard AFNOR( AFNOR) -
- Magnetic Stripe( ) -

Bitmap based overlay varnish( )  
[Browse( )]

## UV Panel(UV )

UV 가 UV Panel(UV ) UV ( , YMCUVK)



## UV rendering method(UV ):

- Diffusion( ): UV
- Halftone( ): UV
- [Grayscale( )]

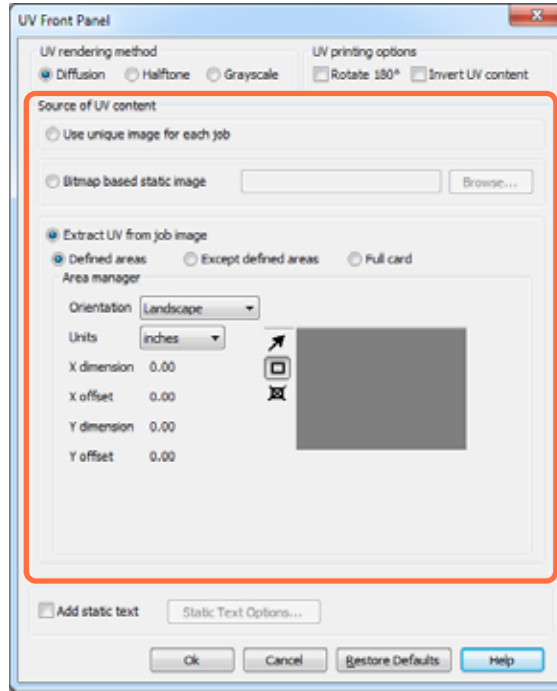
## UV printing options(UV ):

- [Rotate 180°(180 )] 180°
- [Invert UV content(UV )] 가



**Source of UV content(UV )**

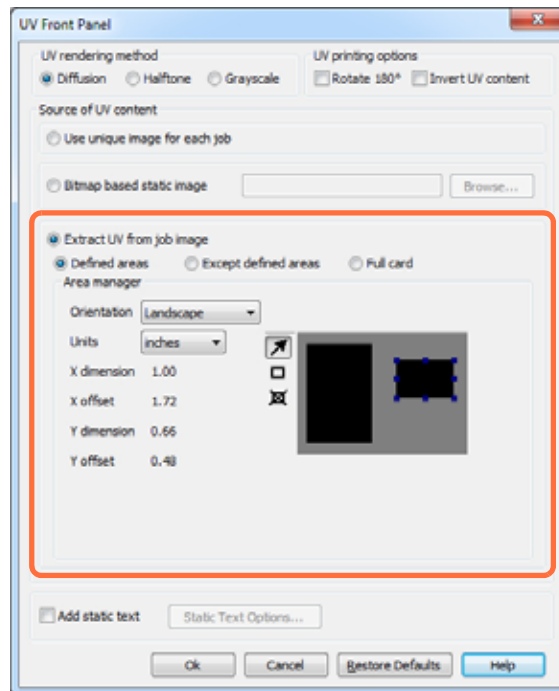
- Use unique image for each job( ):  
UV YMCK



- **Bitmap based static image( )**: UV  
가 , (Seal) 가 UV
1. Select the [*Bitmap based static image*( )]
  2. [**Browse**( )]
  3. ( .bmp ). UV  
가 . (24- , 1- ) . .bmp
  4. [**UV rendering method**(UV )]
  5. [**UV printing options**(UV )]
  6. [**OK**( )] UV Panel(UV )
  7. .bmp UV



- **Extract UV from job image( UV )**  
 K YMC UV  
 Full card 가 Defined areas, Except defined areas  
 [Defined areas( )] YMC UV  
 . [Undefined areas( )]  
 UV YMC . [Full card( )]  
 YMC UV
- **Area manager( ):** Defined areas Undefined areas 가
- **[Orientation( )]** 가
- **[Units( )]** mm( )  
 . X-dimension(X- ), X-offset(X- ), Y-dimension(Y- ) Y-  
 offset(Y- )



가 : , 가 , , : , 가 , : "X" 가 ,

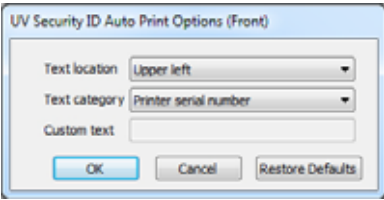


4: Printing Preferences( )

Add static text(가):

[Add static text(가)] ( ) , [Static Text Options( )]

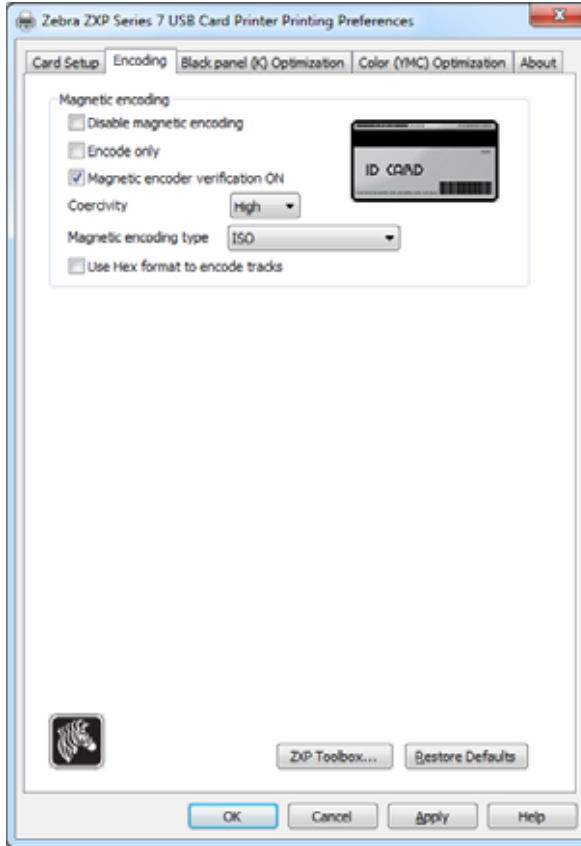
- 1. [Static Text Options( )]
- 2. UV Panel(UV )



- 3. [Text location( )] 4  
(Upper left, Upper right, Lower left, Lower right)
- 4. [Text category( )](MAC address, Printer serial number Custom Text) . [Custom Text( )] 가 , 32  
[Custom Text( )]
- 5. [OK( )] UV Panel(UV )

## Encoding( )

[Encoding( )]



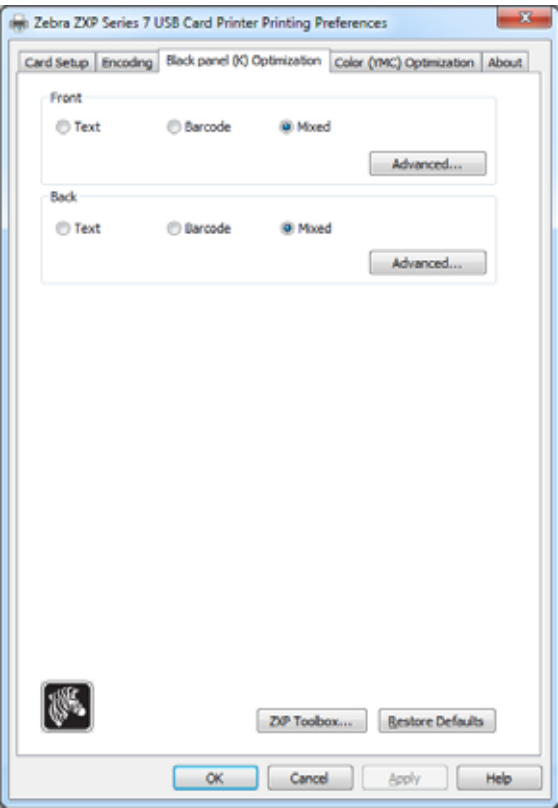
- **Magnetic encoding( ):**
  - **Disable magnetic encoding( ):**  
가
  - **Encode only( ):** 가
  - **Magnetic encoder verification ON( ):**
  - **Coercivity( ):** High Low
  - **Magnetic encoding type( ):** ISO, AAMVA, CUSTOM, BINARY  
ISO 가 Custom( )
  - **Use Hex format to encode tracks(Hex ):**

4: Printing Preferences( )

Black Panel (K) Optimization( )



- ( , , ) . ,  
*Monochrome Red Optimization*  
[Black Panel (K) Optimization( )]  
(Front Back)  
가 K 가  
가



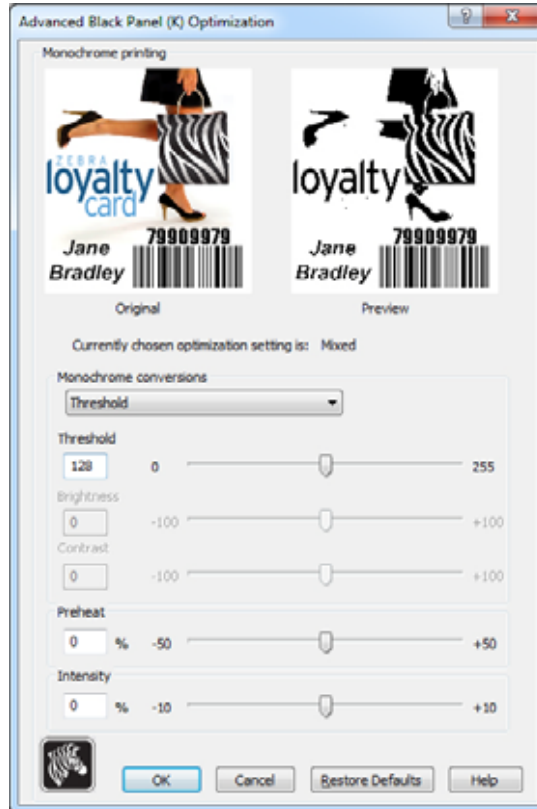
- Optimize for( ):  
Text, Barcodes Mixed  
- [Text( )] 가 가  
- [Barcode( )]  
- [Mixed( )]  
(K) 가 (K)  
[Advanced( )]

**Advanced Black Panel (K) Optimization(****)**

[Advanced Black Panel (K) Optimization(

)]

( , , )



- **Monochrome conversions(** ):

K

*Dither error diffusion( ) ( ), Dither 6x6 halftoning(6x6 )*  
*Threshold( )(Dither pure black on white )*

Preheat Intensity , Threshold Threshold,

- [Threshold( )] (0) (255)

128

- [Brightness( )]

가

가

- [Contrast( )]

가 가 가

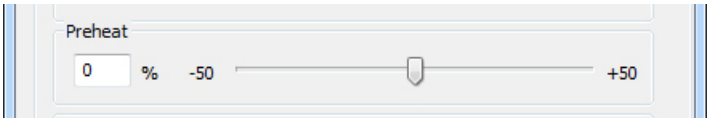


4:

Printing Preferences( )

• Monochrome conversion( )( )

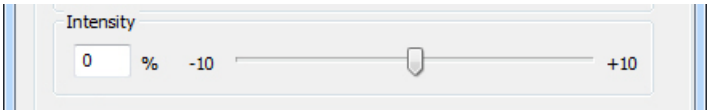
- [Preheat( )] 가  
-50 ~ +50 ,  
0 .



가 가 가 .

Preheat( )

- [Intensity( )]  
10 ~ +10 , 0 .



Intensity( )  
가 . /

Intensity( )

**Monochrome conversions( )**

( On Off)  
8 RGB

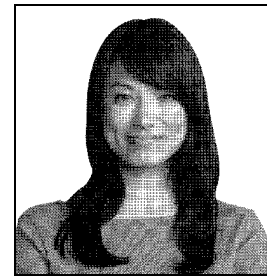
1

- **Dither error diffusion( )**( )



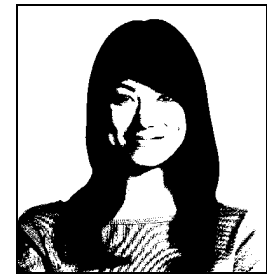
- **Dither 6x6 halftoning(6x6 )**

가



- **Threshold( )**  
[Threshold( )](*Dither pure black on white*)

가



#### 4:

Printing Preferences( )

### Color (YMC) Optimization( )

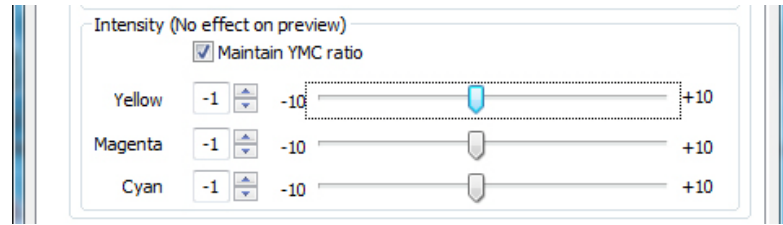
가  
.( KrO



- **Full color printing( ):**
  - **Brightness( ) Contrast( )** -25 ~ +10 , 0
  - **[Sharpening filter( )]** None( ), Low( ), Normal( ) ( ) High( )
  - 가 가 (None). Low High 가
  - **[Preheat( )]** -50~50 , 0 가 , 가 가 가 가 가 가



Intensity( ) -10 ~ +10



Maintain YMC ratio(YMC )

3

가

Intensity( )

가

/

Intensity( )

[Advanced( )]  
)

Advanced Color (YMC) Optimization(



4: Printing Preferences( )

Advanced Color (YMC) Optimization( )

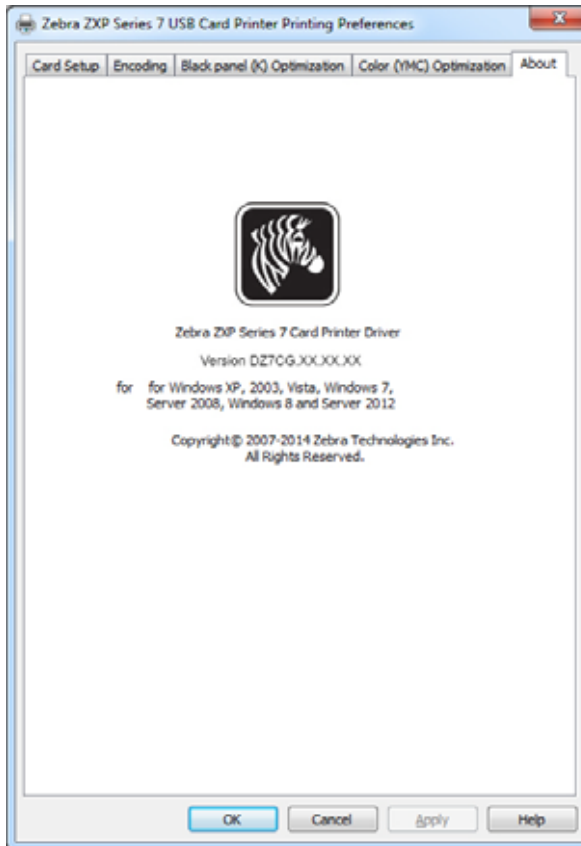
-25 ~ +25



- Gamma( )
- Saturation( )
- Red( ), Green( ) Blue( )  
-25 ~ +25 가  
가
  - Red( ) 가 ( ) 가
  - Green( ) 가 ( ) 가
  - Blue( ) 가 ( ) 가

## About( )

[About( )] Zebra ZXP Series 7







# ZXP



• ZXP

ZXP

. ZXP

ZXP

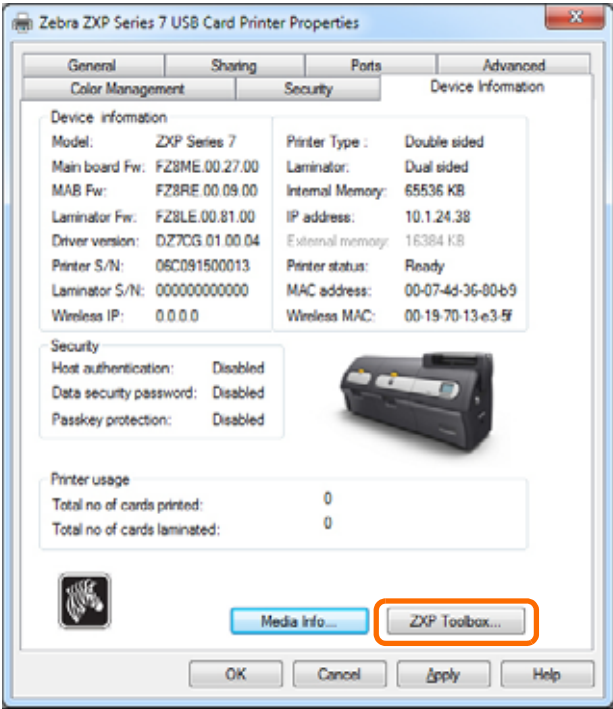
7

가

|                            |     |
|----------------------------|-----|
| .....                      | 99  |
| .....                      | 104 |
| .....                      | 112 |
| .....                      | 115 |
| .....                      | 120 |
| Advanced Security( ) ..... | 124 |
| .....                      | 127 |

ZXP

ZXP [Zebra ZXP Series 7 Card Printer]  
[Properties( ) > Device Information( )]  
[ZXP Toolbox(ZXP )]

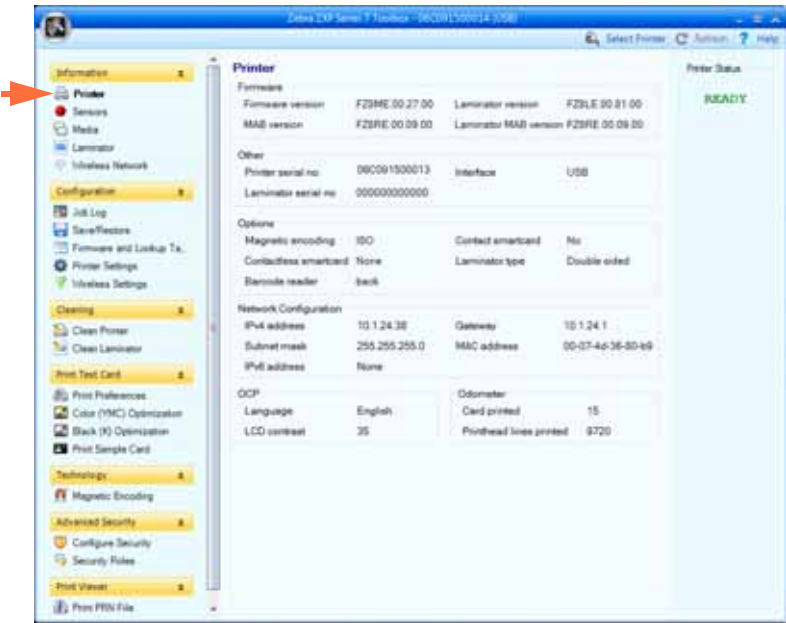


ZXP [Zebra ZXP Series 7 Card Printer] > Zebra ZXP Series 7 Card Printer >  
ZXP ToolBox] 가

Printer( )

가  
가, Zebra 가

- [Printer Status( )] Ready( ), Offline( )

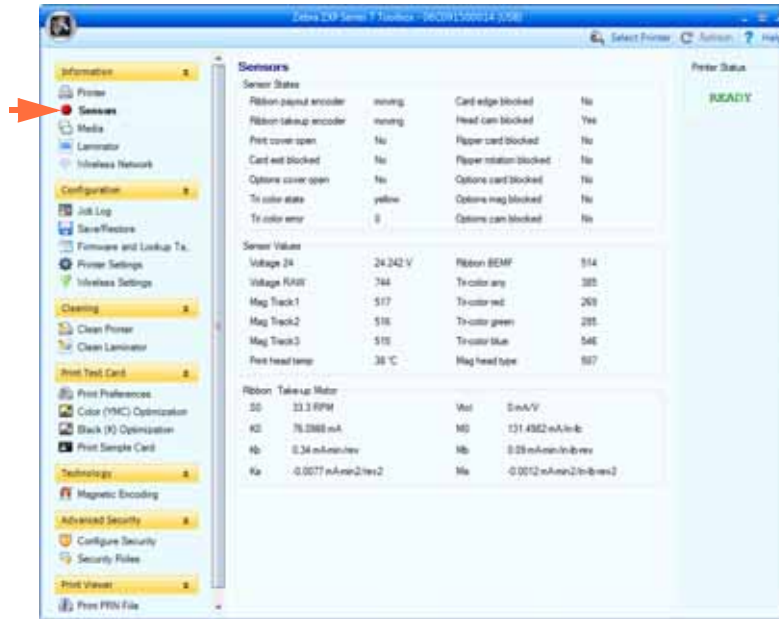


- Firmware( ) , MAB MAB
- Other( ) ,
- [Options( )] ,
- [Network Configuration( )] IPv4 , , MAC IPv6
- [OCP] (Operator Control Panel) LCD
- [Odometer( )]

가  
가

, Zebra

가

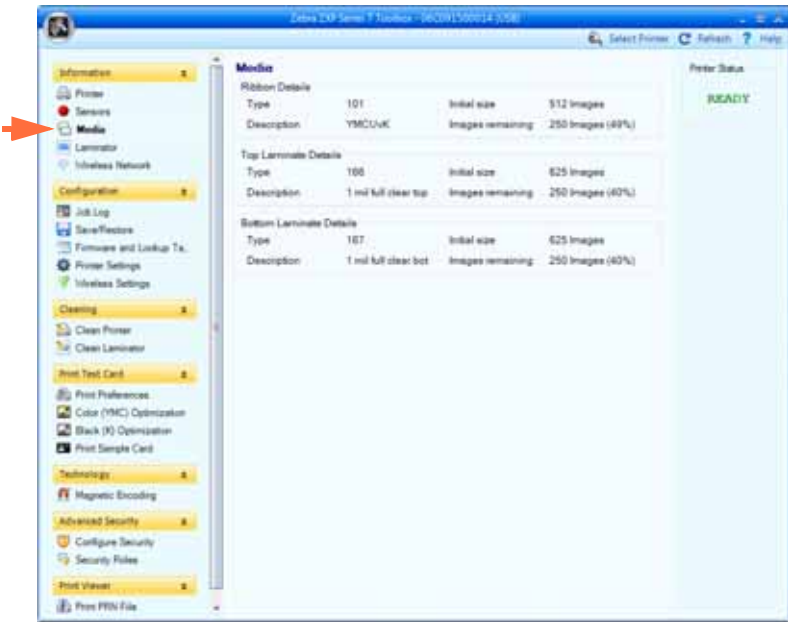


- [Sensor States(                    )]   "       "
- [Sensor Values(                   )]   "       "
- [Ribbon Take-up Motor(                    )]



Media( )

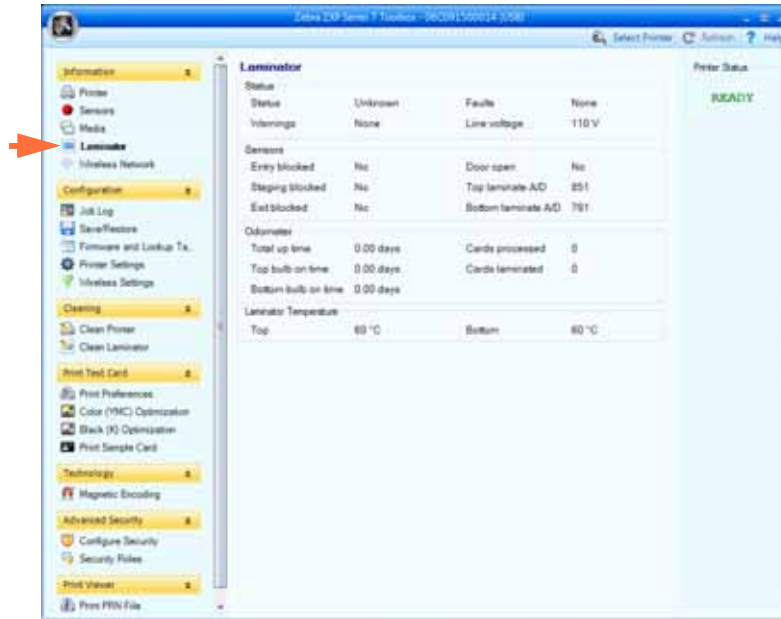
가 , Zebra 가



- [Ribbon Details( )] Type( ), Initial size( ), Description( ) Images remaining( )
- [Top Laminate Details( )] Type( ), Initial size( ), Description( ) Patches remaining( )
- [Bottom Laminate Details( )] Type( ), Initial size( ), Description( ) Patches remaining( )

## Laminator( )

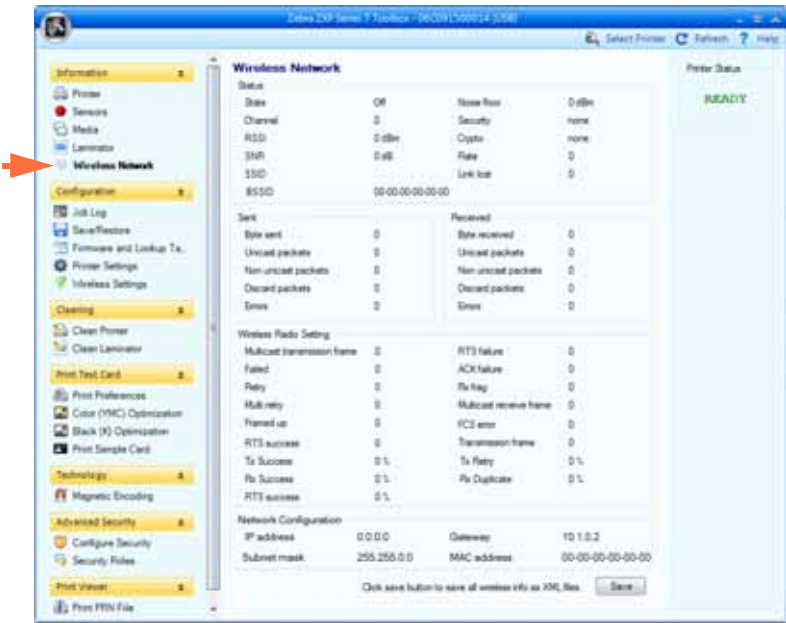
가 , Zebra 가



- [Status( )] , , .
- [Sensors( )] .
- [Odometer( )] , , , .

Wireless Network( )

가 , 가  
가  
P1035089-003 .



- [Save( )] XML .

## Job Log( )

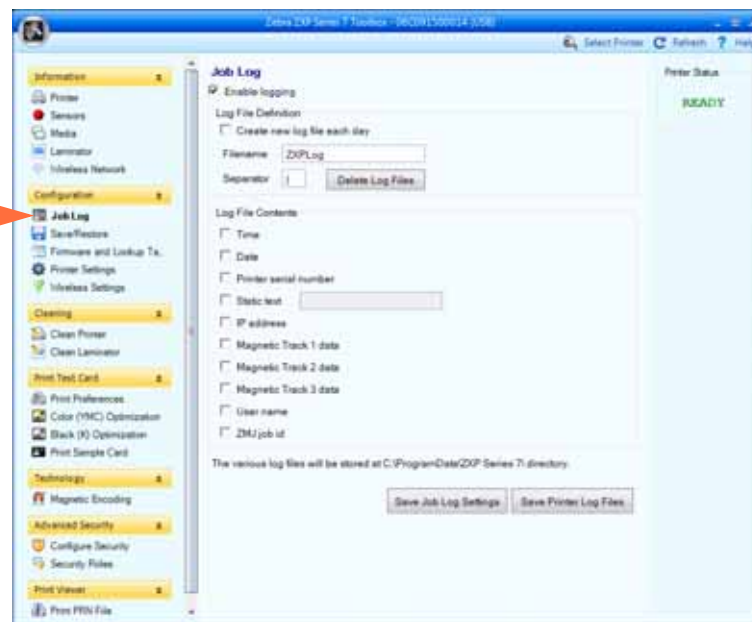


•

[Advanced Security( ) > Security Roles( )]

[Job Log( )]

가



• [Enable logging( )] - 가

• [Log File Definition( )] -

- "Create new log file each day( )"  
가 ( )

- "Create new log file each day( )"  
ZXPLog 가 가 ( )  
ZXPLog\_2013\_12\_16)

"|"

[Delete log files( )]



• **Log File Contents( ) -**

(Logfile Definition), Separator( )

Log File Contents( )

- **Time( ):** 가 HH:MM:SS  
24 13:00:00 = 1:00 pm 05:00:00 = 5:00 am
- **Date( ):** 가 YY:MM:DD
- **Printer serial number( ):**
- **Static text( ):** 16  
가
- **IP address(IP ):** PC IP
- **Magnetic Track 1, 2, 3 Data( 1, 2, 3 ):**
- “~L=xxx” TextOut  
3
- **Spooler job number( ):** Windows
- **User name( ):**
- **ZML Job ID(ZML ID):** UUID , Windows GUID

[Save Job Log Settings( )]

[Save Printer Log Files( )] XML

- GetLogCleanHistory.xml
- GetLogErrors.xml
- GetLogEventHistory.xml
- GetLogServiceHistory.xml

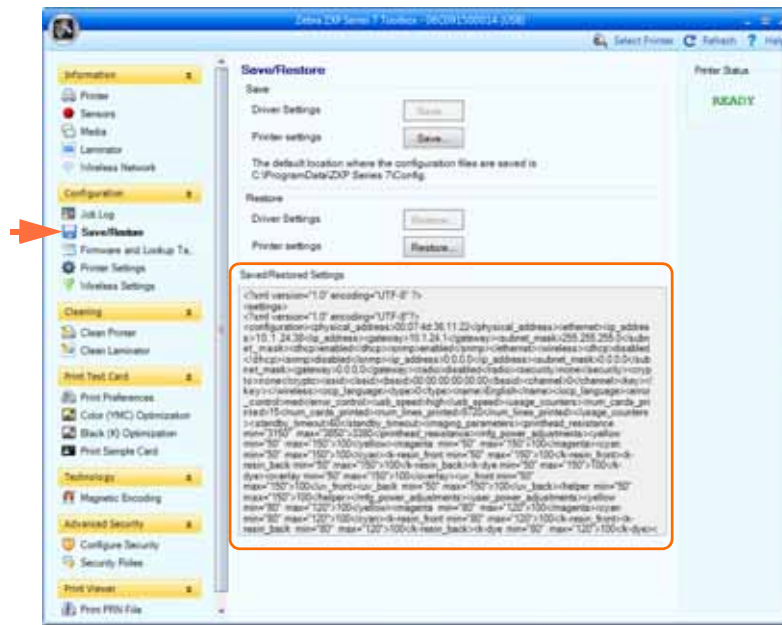


[Advanced Security( ) > Security Roles( )]

가

가 ,

[Saved/Restored Settings( / )]( )




• [Save( )] / XML

- P\_ < >  
- D\_ < >

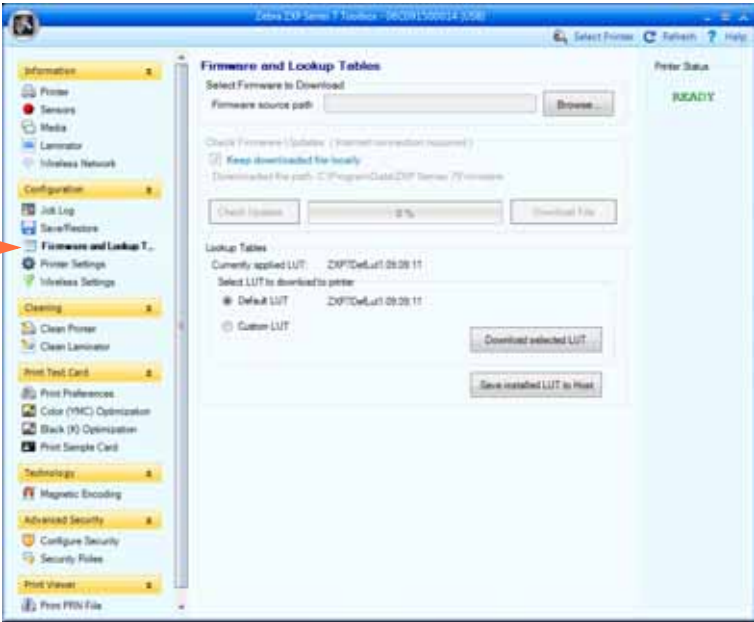
• [Restore( )]  
Toolbox 가 Start( ) , Driver Settings( )  
( 가 ). Toolbox 가 [Driver( )]  
가

Firmware and Lookup Tables( )

- 
- [Advanced Security( ) > Security Roles( )]

Firmware and Lookup Tables( )

- 
- 
- 가
- 



- Select Firmware to Download( ): Zebra  
<http://zebra.com> [Support & Downloads( )]
- 1. [Browse( )]
- 2. [Browse( )] (BIN )  
[Open( )]
- 3. [ZXP Toolbox(ZXP )]  
[OK( )] [Cancel  
( )]

- **Check Firmware Updates(** **)**:

1. [Check Updates(                  )] , [Ftp Login(Ftp                  )]  
[OK(                  )]
2.  
[Download File(                  )]
3. %
4. [Download completed(                  )] [OK(                  )]
5. [ZXP Toolbox(ZXP                  )]  
[OK(                  )]  
[Cancel(                  )]

- **Lookup Tables( )**

Look-Up Table( ) (LUT) . LUT Default( )  
Custom( ) .

Custom LUT(                      LUT)                      :

1. **[Custom LUT(**  **LUT)]** .
2. **[Download selected LUT(**  **LUT**  **)]** .
3. Browse(  ) ,  LUT  
*C:\ProgramData\ZXP Series 7\LUTs\ <filename >* .
4. **[Open(**  **)]** .
5. */LUT installed successfully(LUT*  *)]* **[OK(**  **)]**

LUT    Default(        )        Custom(        )        :

1. **[Save Installed LUT to Host]** LUT
2. Browse( ) LUT  
*C:\ProgramData\ZXP Series 7\LUTs* .
3. **[Save( )]** .

Default LUT(            LUT)            /            :

1. **[Default LUT(                      LUT)]** .
2. **[Download selected LUT(                      LUT                      )]** .
3. *[LUT installed successfully(LUT                      )]* **[OK(                      )]**

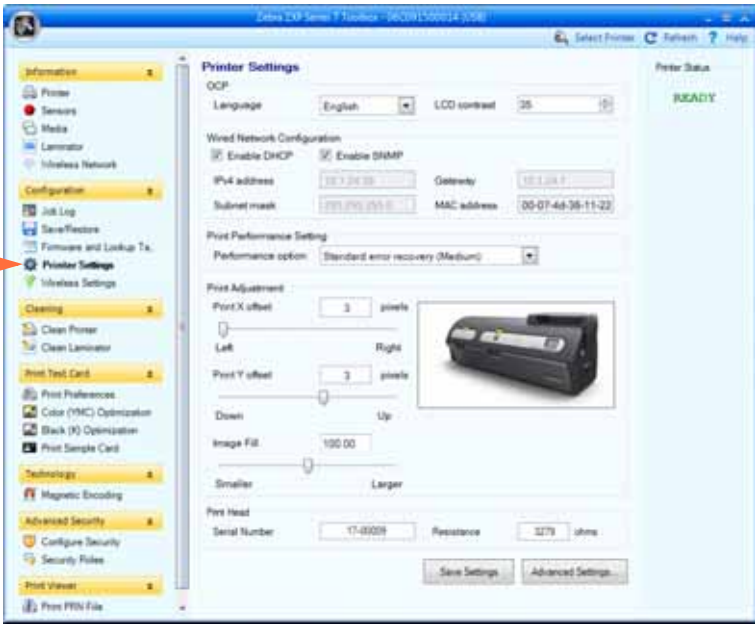


Printer Settings( )

Printer Settings( ) OCP , ,



- Print Adjustment( ) Print Head( ) [Advanced Security( ) > Security Roles( )]



- OCP: ( LCD , , (20 ~ 50 ) .
- Network Configuration( ) : (DHCP, SNMP, IPv4 , ) . MAC .

• **Print Performance Setting( ):**

- **No error recovery( )(None):**

가 가 가 ( 가 , 가 가 가 가 가 가 가 가

- **Standard error recovery( )(Medium):**

가 가 , 가 , 가 가 가 가 가 가

- **Full error recovery( )(High):**

가 , 가

• **Print Adjustment( ):**

**[Print X offset( X )]** **[Print Y offset( Y )]**

3 150 [Print X offset( X )]

-16 16 [Print Y offset( Y )]

/ 가

**[Image Fill( )]** 가 (

) [Image Fill( )] -98

102 가

• **[Print Head( )] (Security Roles( ) )**

- **Serial Number( ):**

- **Resistance( ) ( : 2200 , : 3300 ):**

R

= 3000

**[Save Settings( )]**

**[Advanced Setting( )]**

가 Zebra

가

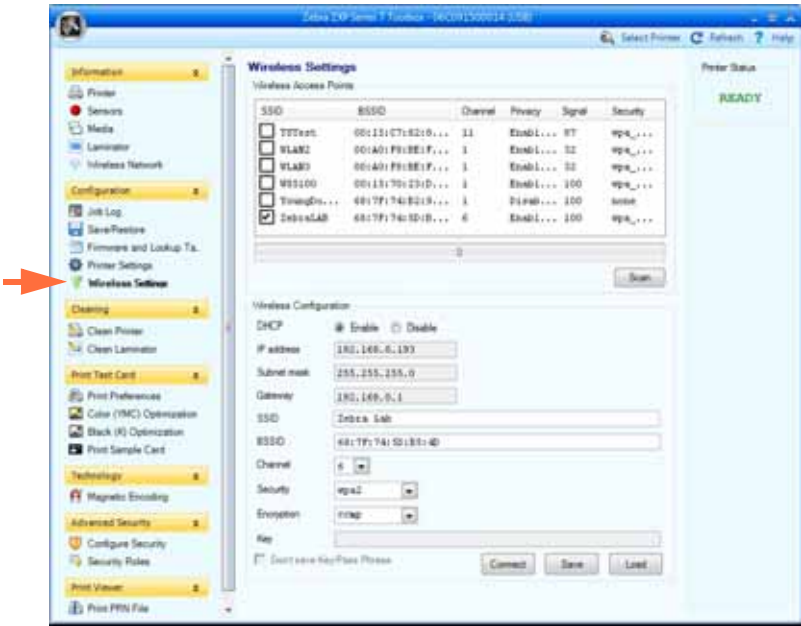
Wireless Settings( )



- [Advanced Security( ) > Security Roles( )]

Wireless Settings( )

P1035089-003



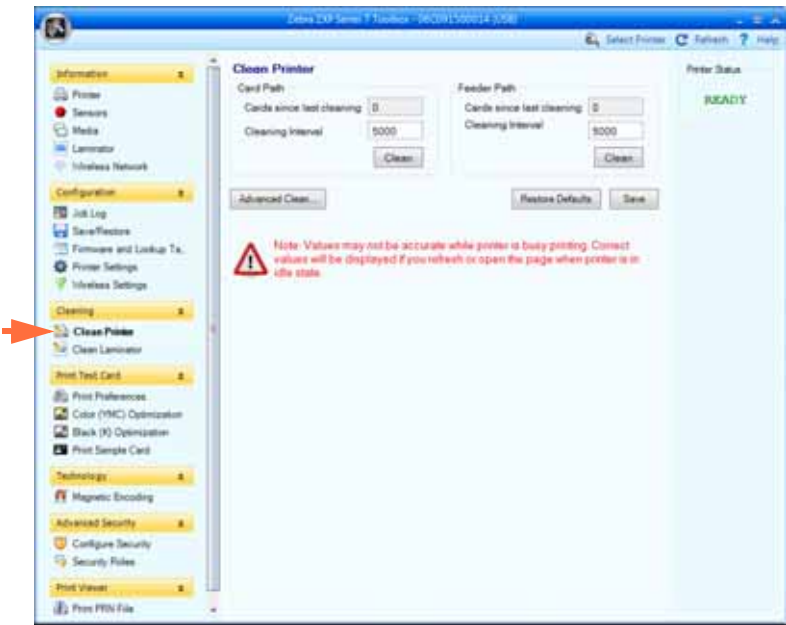
가

- 가 (SSID, BSSID, , , ), Wireless Configuration( )
- 가 Wireless Configuration( )

Clean Printer( )

[Clean Printer( )]  
. OCP

6



- **Card Path( ):** 가 1가  
[Clean( )] - 131

- **Feeder Path( ):** 가 5,000가 1가  
[Clean( )] - 132

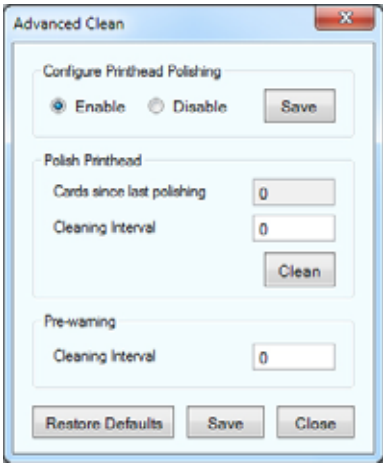
[Restore Defaults( )]

[Save( )]

[Advanced Clean( )] 가 Zebra 가

Advanced Cleaning( )

Advanced Cleaning( ) Toolbox " "



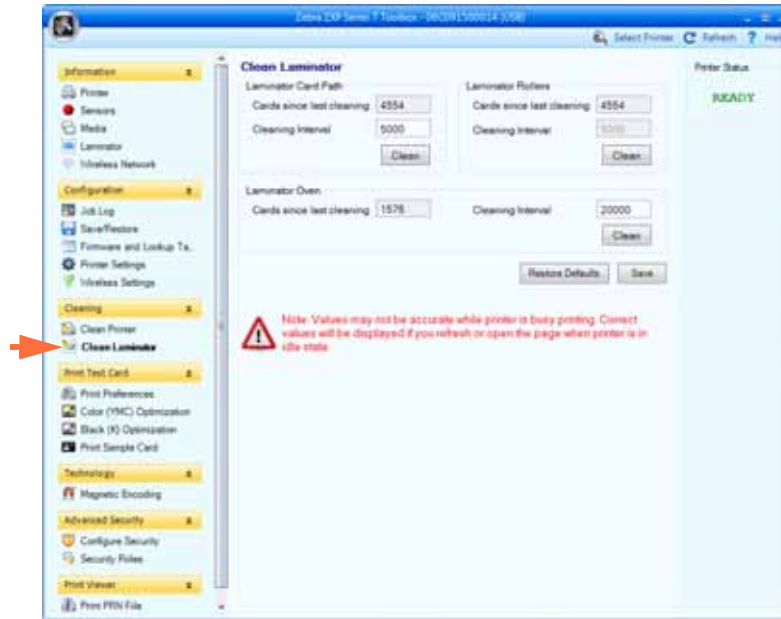
- **Configure Printhead Polishing( ):**  
[Save( )]  
, OCP
  - **Polish Printhead( ):** 5,000 가  
[Clean( )]
    1. , [Next( )]
    2. , [Next( )]
    3. ( ) , [Clean( )]
    4. 가
    5. [Printhead cleaning has been completed successfully( )] 가
    6. [Close( )]
    - 7.
  - **Pre-warning( ):** Pre-warning( ) 가 ( ,  
250 )
- [Restore Defaults( )]  
[Save( )]  
[Close( )] Clean Printer( )

## Clean Laminator( )

[Clean Laminator( )]

. OCP

6



- Laminator Card Path( )  
가 5,000 1

가

[Clean( )]

- 135

- 5,000 가 1  
가

[Clean( )]

- 136

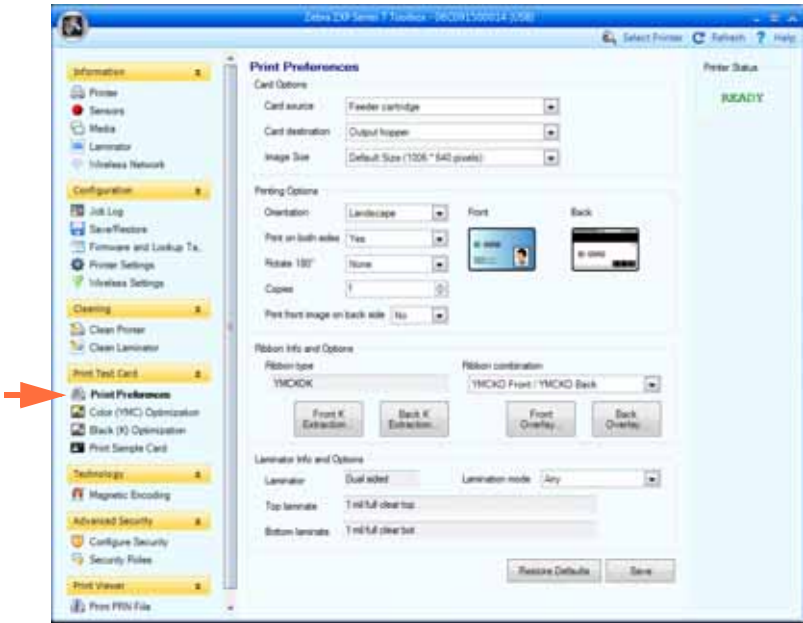
- ( ) 가  
20,000 가 1  
[Clean( )]  
) - 138 (

[Restore Defaults( )]

[Save( )]

Print Preferences( )

Card Setup( ) - 76



Advanced Black Panel Options( )

Black Panel Options( ) - 79

Overlay Varnish( )

Overlay Varnish( ) - 82

Uv Panel Screen(Uv )

UV Panel(UV ) - 83

Color (YMC) Optimization( )

Color (YMC) Optimization( ) - 92



Profile Handling( ): 5 ).

- 1. ( , ).
- 2. [Save profile as( )]
- 3. [Save( )]
- 4. [Preview profile( )]
- 5. [Preview( )]

[Advanced( )] Advanced (YMC) Color Optimization( )

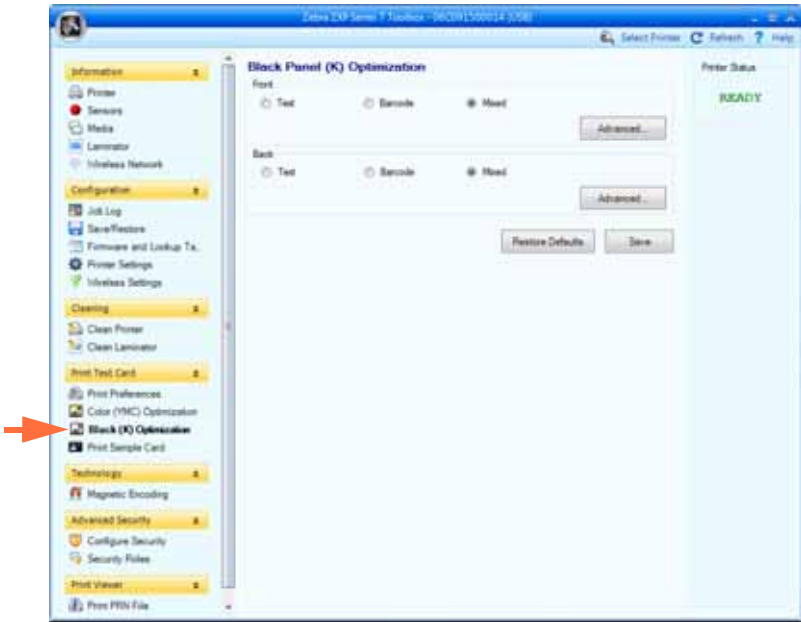
Advanced Color (YMC) Optimization( )

Advanced Color (YMC) Optimization( ) - 94



Black Panel (K) Optimization( )

*Black Panel (K) Optimization( )* - 88



[Advanced( )]      Advanced Black panel (K) Optimization( )

Advanced Black Panel (K) Optimization( )

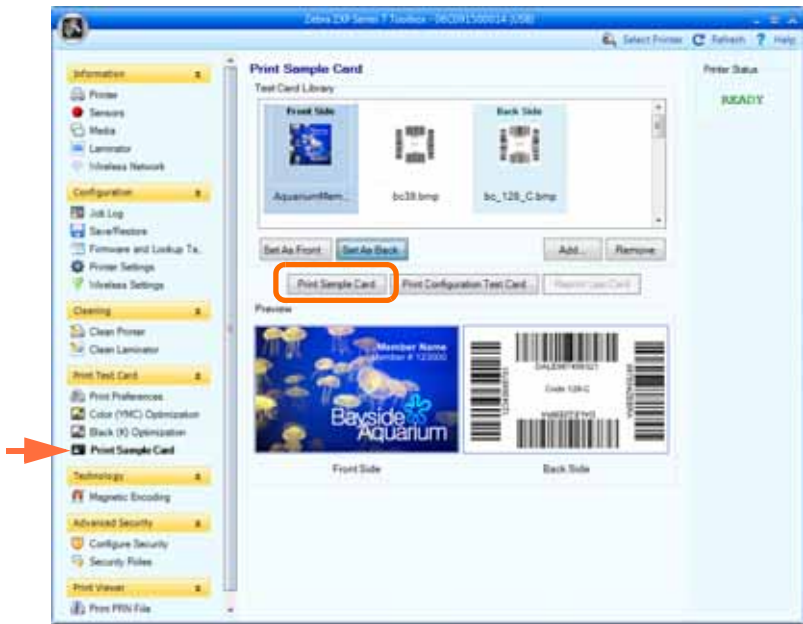
*Advanced Black Panel (K) Optimization( )* -

Print Sample Card( )

Optimization( ) Printing Preferences( ), Color (YMC)  
Black Panel (K) Optimization( )

Test Card Library .bmp

1. [Test Card Library( )]



2. :
- a. Test Card Library( ) ( )
  - b. [Set As Front( )]
  - c. Preview( ) . Preview( )  
[Set As Front( )]
  - d. a c
3. [Set As Back( )]  
2
4. Preview( ) ( )
5. [Print Sample Card( )] ( )



**Test Card Library( )**

Test Card Library( ) 가

가 :

- 1. [Add( 가 )]
- 2. [Browser( )] ,
- 3. [Open( )]
- 4. 가 Test Card Library
- 5. ( )
- 6. [Remove( )]

[Print Sample Card( )]

[Print Configuration Test Card( )] 2 , 1

[Reprint Last Card( )]

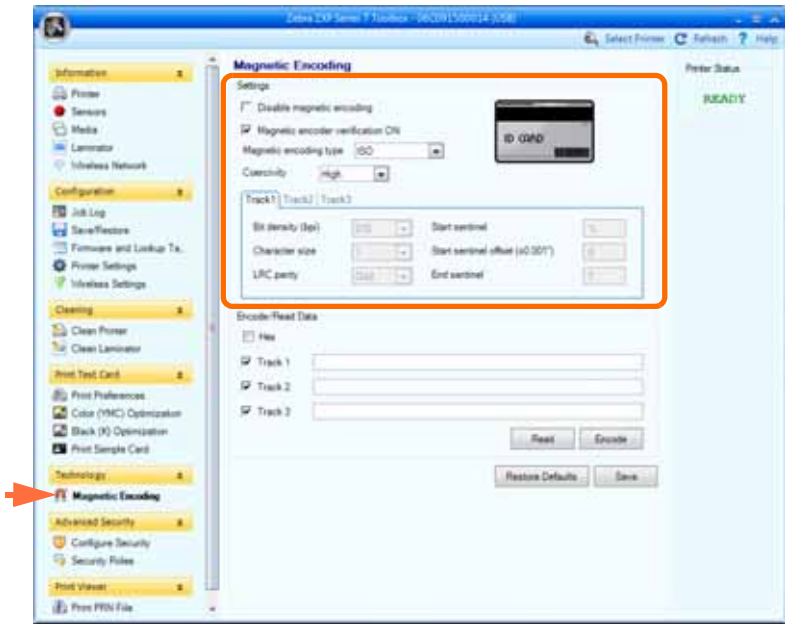
Magnetic Encoding( )



- [Advanced Security( )> Security Roles( )]

[Magnetic Encoding( )] 가 D

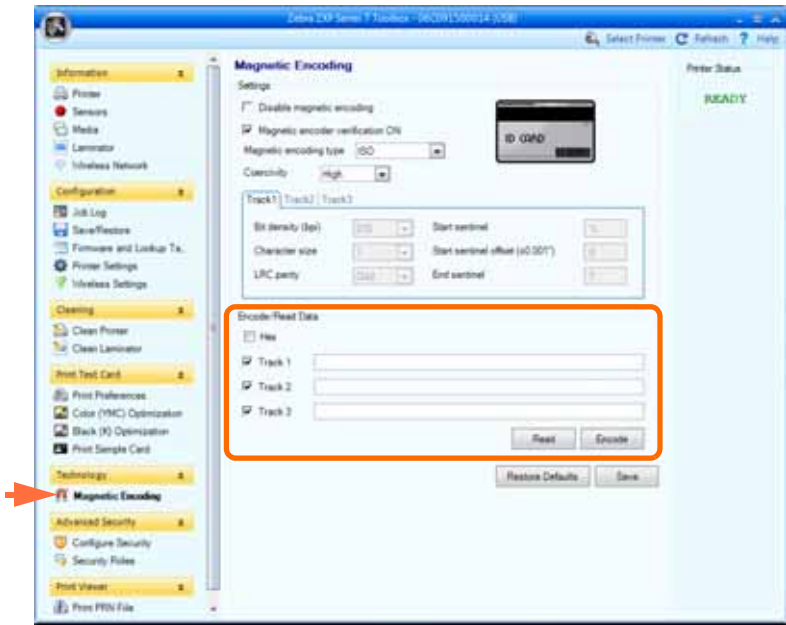
- Settings( )



1.
  - Disable magnetic encoding( ):
  - Magnetic encoder verification ON( ).
2. CUSTOM, BINARY . Track 1, Track 2 Track 3 ISO, AAMVA, Custom( ) 가
3. Select Coercivity( ): High Low .



- Encode/Read Data( / ):



Hex(16 ):

16

Track selection( ):

- For reading( ): Track 1( 1), Track 2( 2) ?/ Track 3( 3) , [Read( )]
- For encoding( ): Track 1( 1), Track 2( 2) ?/ Track 3( 3) , [Encode( )]

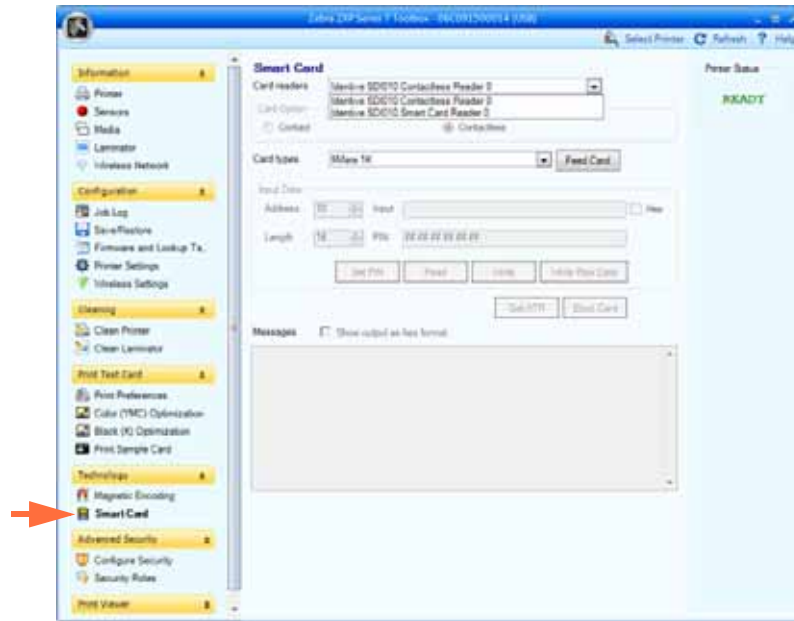
[Restore Defaults( )] Magnetic Encoding( )

[Save( )]

## Smart Card( )

[Smart Card( )] 가

E



- Card Readers( ):

- 
- Card Optio( ): Contact( ) Contactless( )

- Card Types( ):

- 
- [Feed Card( )]



## Advanced Security( )

### Configure Security( )



• [ ]

가

- **Toolbox Password(Toolbox ):**

가

가

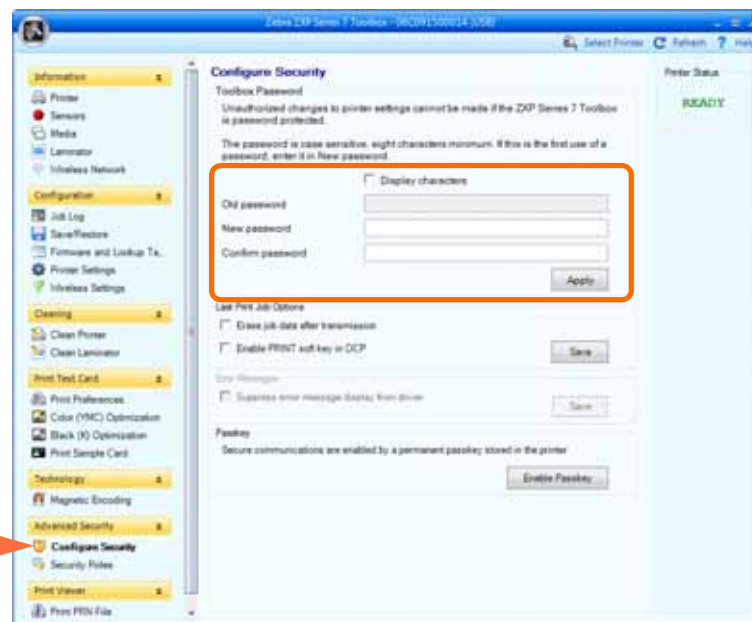
. Windows

가

가

1. [New password( )]

8



2. [Confirm password( )]

3. [Apply( )]

- **Toolbox Password(Toolbox )( )**

1. [Old password( )]

2. [New password( )] [Confirm password( )]

3. [Apply( )]





- :
    1. *[Old password( )]*
    - 2.
    3. **[Apply( )]**  
  - **Last Print Job Options( )**
    - *[Erase job data after transmission( )]*
    - *[Enable PRINT soft key in OCP(OCP PRINT 가 )]*
  - [Save( )]**
  
  - 
  
  - 가
  
  - **Passkey( )**
    - [Enable Passkey( )]** Host Authentication( ), Data Encryption( ) Printer Lock Key( )
- ZXP Series 7*
- P1036102-005*

## 5: ZXP

Advanced Security( )

## Security Roles( )



- [Advanced Security( )]  
가

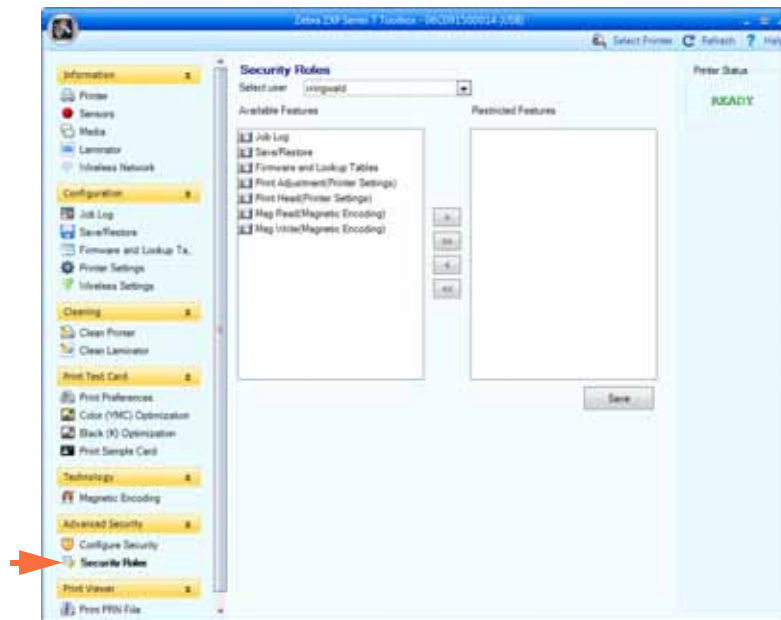
ZXP

Guest, HelpAssistant, Local User, localfix ( )

( ,  
가

•

1.



2.

가  
(>, >>, < <<)

3.

[Save( )]

PRN

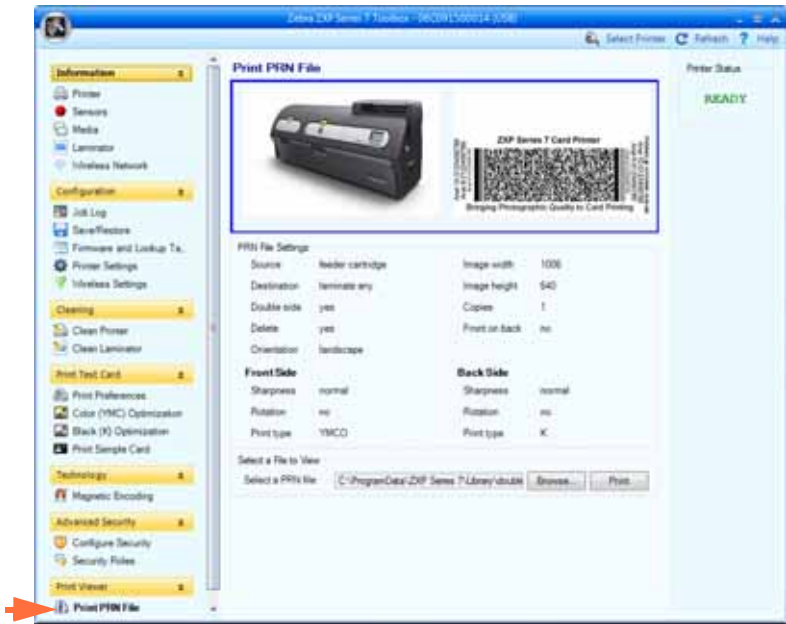
가

Print PRN file(PRN )

- PRN :

1. [Print( )] PRN

[Browse( )] PRN



2. [Browse( )] PRN

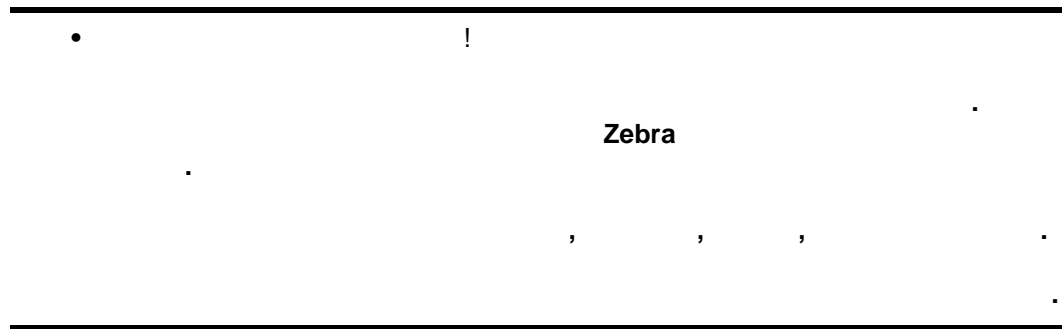
3. [Open( )]

4. PRN

5. [Print( )]

PRN





Properties( ), Device Information( )



- ZXP Series 7

<http://www.zebra.com/supplies>

- 5,000
- 5,000

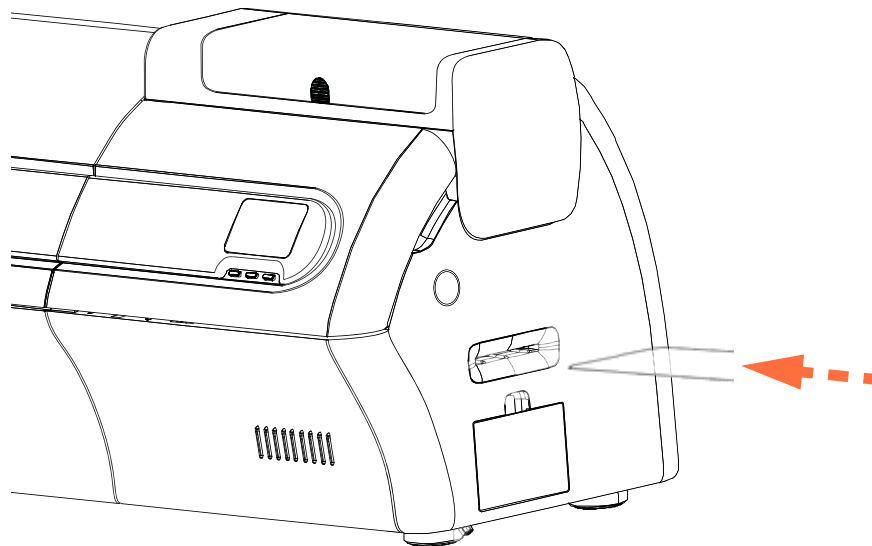
1. (OCP) MENU( ) . OCP Main Menu( ) 가
2. Main Menu( ) Advanced Settings( ) . OCP Advanced Settings Menu( ) 가
3. Advanced Settings Menu( ) Clean Printer ( ) . OCP Clean Printer Menu( ) 가



. ZXP Series 7

<http://www.zebra.com/supplies>

1. Clean Printer Menu( ) [CLEAN CARD PATH( )]
2. OCP
3. , [Next( )]
4. , [Next( )]
5. , [Clean( )]



6. 가
7. , [Clean( )]
8. 가
9. , [Next( )]
10. OCP Clean Printer Menu( )

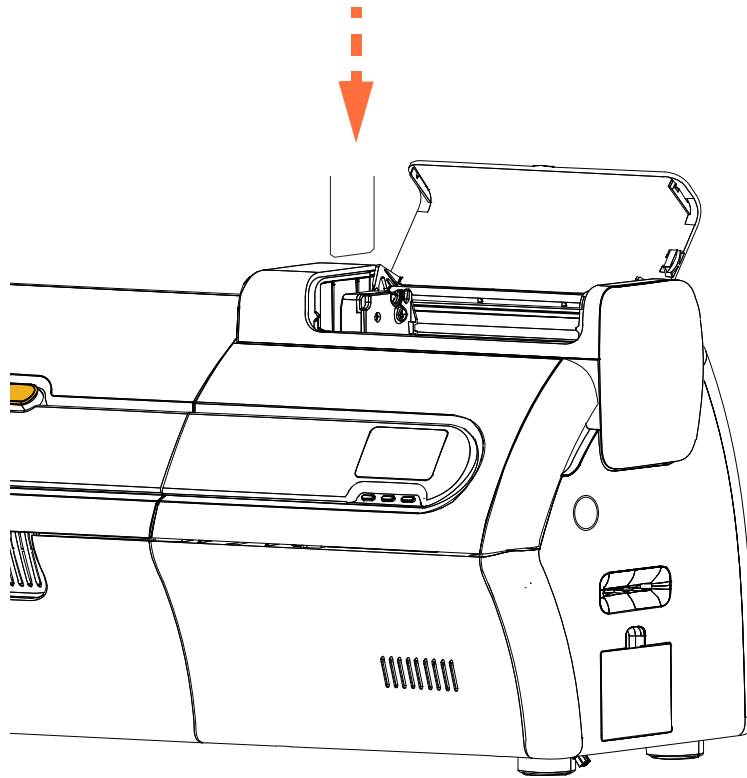


•

. ZXP Series 7

<http://www.zebra.com/supplies>

1. Clean Printer Menu( ) [CLEAN FEEDER( )]
2. OCP
3. , [Next( )]
4. , [Clean( )]
5. , [Next( )]



6. 가
7. , [Clean( )]
8. 가
9. OCP Clean Printer Menu( )
- 10.

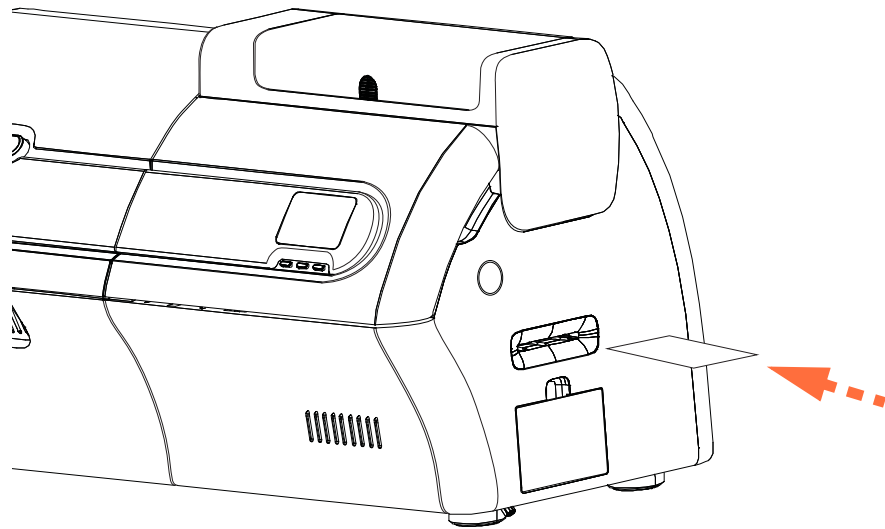




- 가 Zebra 가

ZXP Toolbox Clean Printer( ) [Advanced Cleaning( )]  
 ZXP Toolbox  
 가 , OCP

1. ZXP Toolbox 가
2. (OCP) MENU( ) . OCP Main Menu( ) 가
3. Main Menu( ) Advanced Settings( )  
 . OCP Advanced Settings Menu( ) 가
4. Advanced Settings Menu( ) Clean Printer( )  
 Clean Printer Menu( )  
 [POLISH PRINthead( )]
5. , [Next( )]
6. , [Next( )]
7. ( ) , [Clean( )]



8. 가
9. , [Next( )] Advanced Settings( )



- (131 )



- ZXP Series 7 <http://www.zebra.com/supplies>

- 5,000
- 5,000
- ( ) 20,000

:



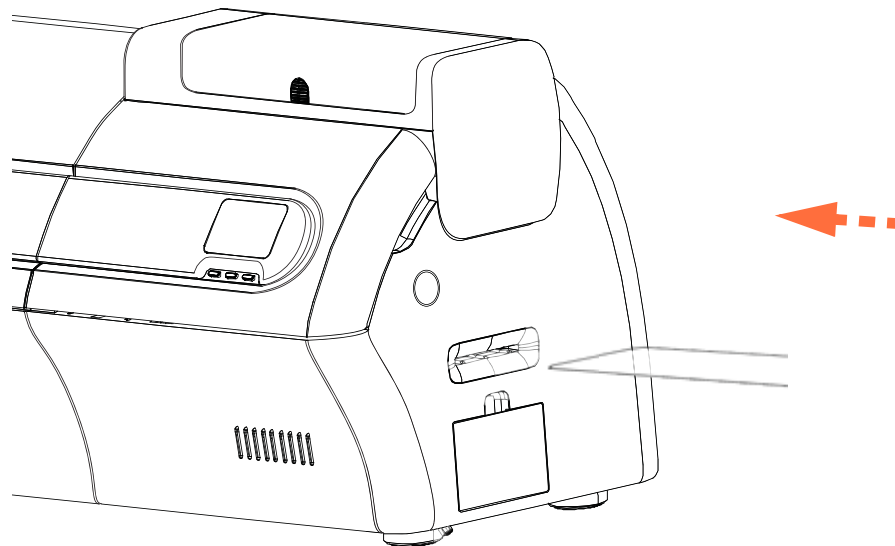
- 가 60°C , 가
1. (OCP) MENU( ) . OCP Main Menu( ) 가
  2. Main Menu( ) Advanced Settings( ) . OCP Advanced Settings Menu( ) 가
  3. Advanced Settings Menu( ) Clean Printer( ) . OCP Clean Printer Menu( ) 가



. ZXP Series 7

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1. Clean Printer Menu( ) [CLEAN LAM CARD PATH( )]  
OCP
2. 가 60°
3. 가 , ( )
4. ( ), [Next( )]
5. , [Clean( )]



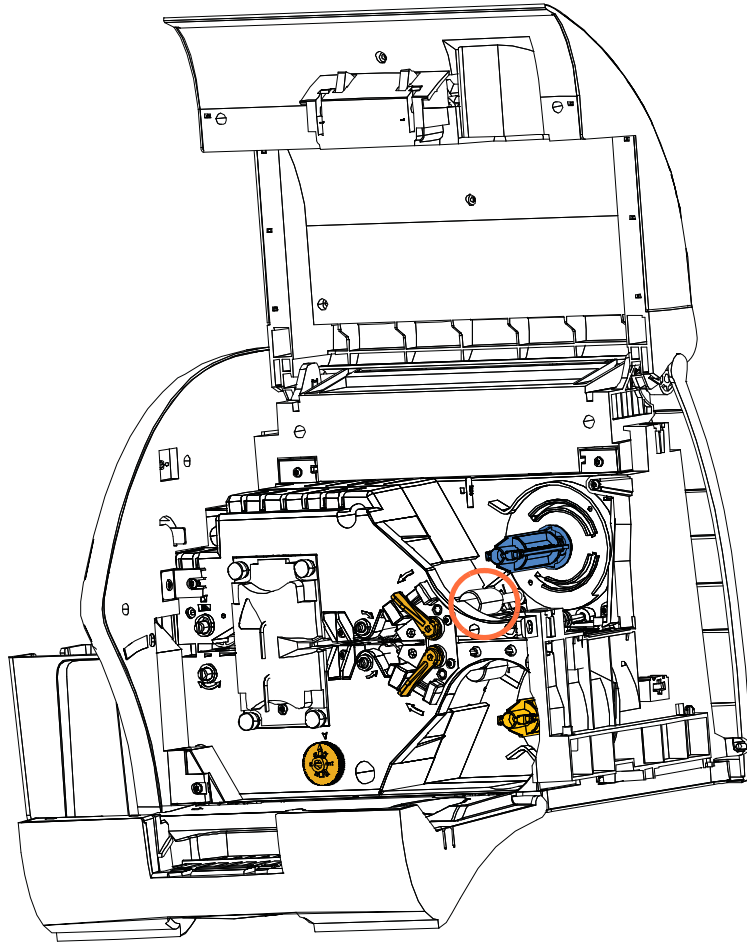
6. 가
- 7.
8. OCP Clean Printer Menu( )
9. , 10
10. , ( ) ,
- 11.



. ZXP Series 7

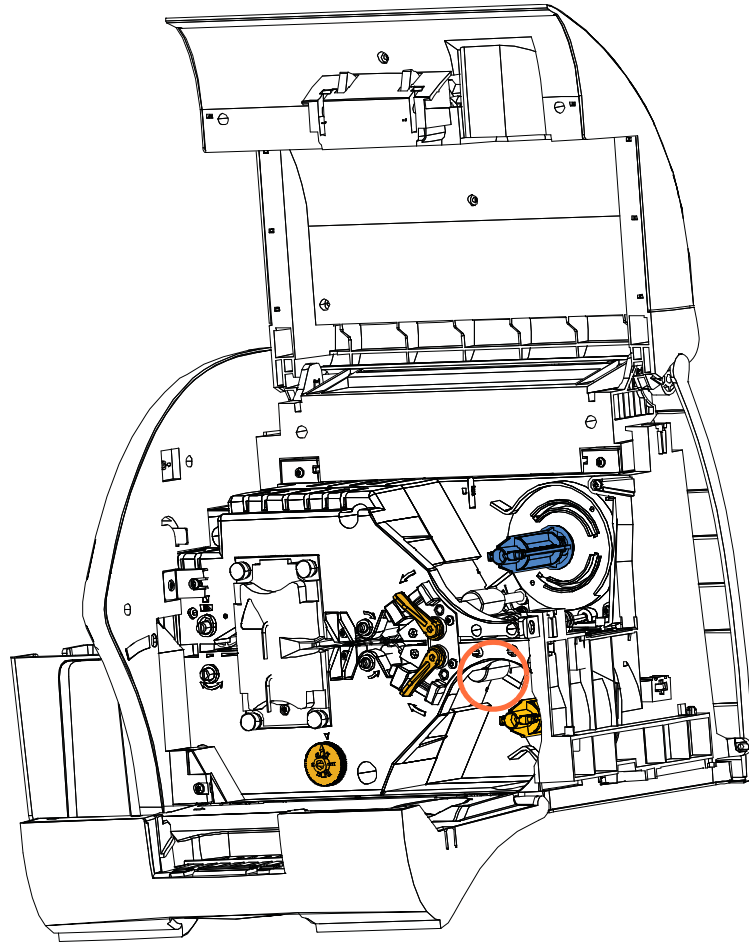
<http://www.zebra.com/supplies>

1. Clean Printer Menu( ) [CLEAN LAM ROLLERS( )]  
OCP
2. , ( ) ,
- 3.
4. ( )



5. 가 [Next( )] , [Top( )]
6. 가 가

7. ) : (
- 8.
9. ( )



10. 가 , [Bottom( )]
11. 가 가
12. [Exit( )]
13. OCP Clean Printer Menu( )
14. ( ) ,

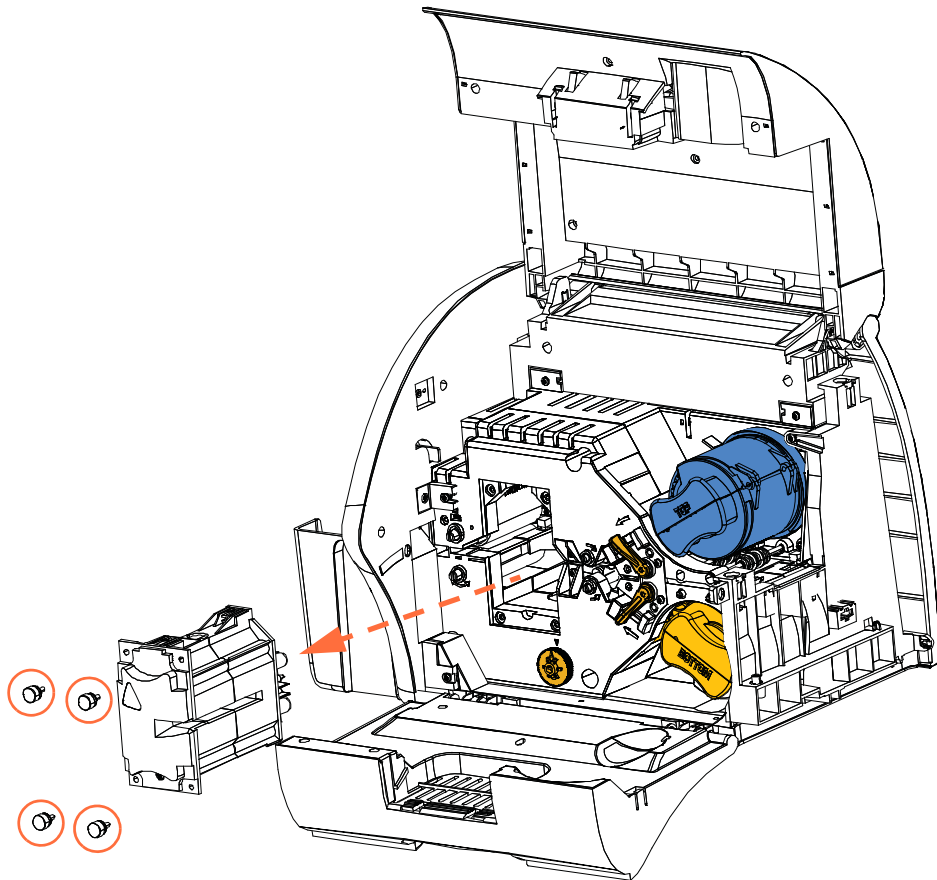
( )



. ZXP Series 7

<http://www.zebra.com/supplies>

1. Clean Printer Menu( ) [CLEAN LAM OVEN( )]  
OCP
2. 가 60°
- 3.
4. 4 ( )
5. ( ).

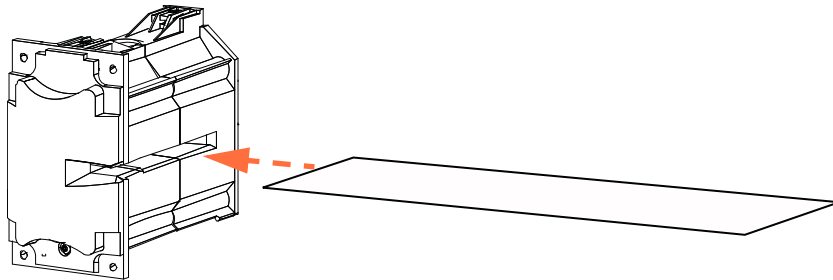




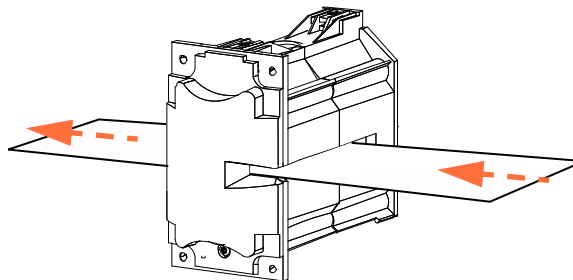
6. 가 , [Next( )]

7.

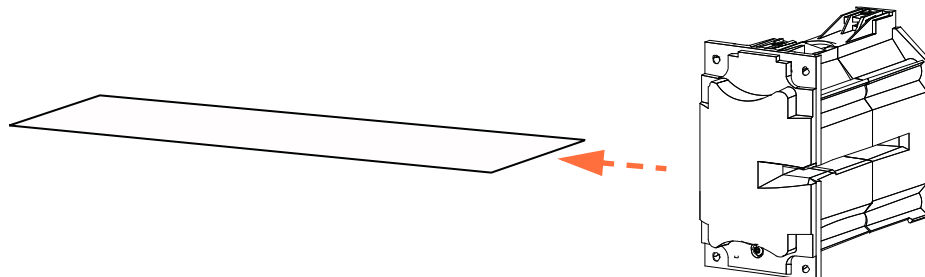
8. ( ).



9.



10.



11. 8, 9 10

12. [Next( )]

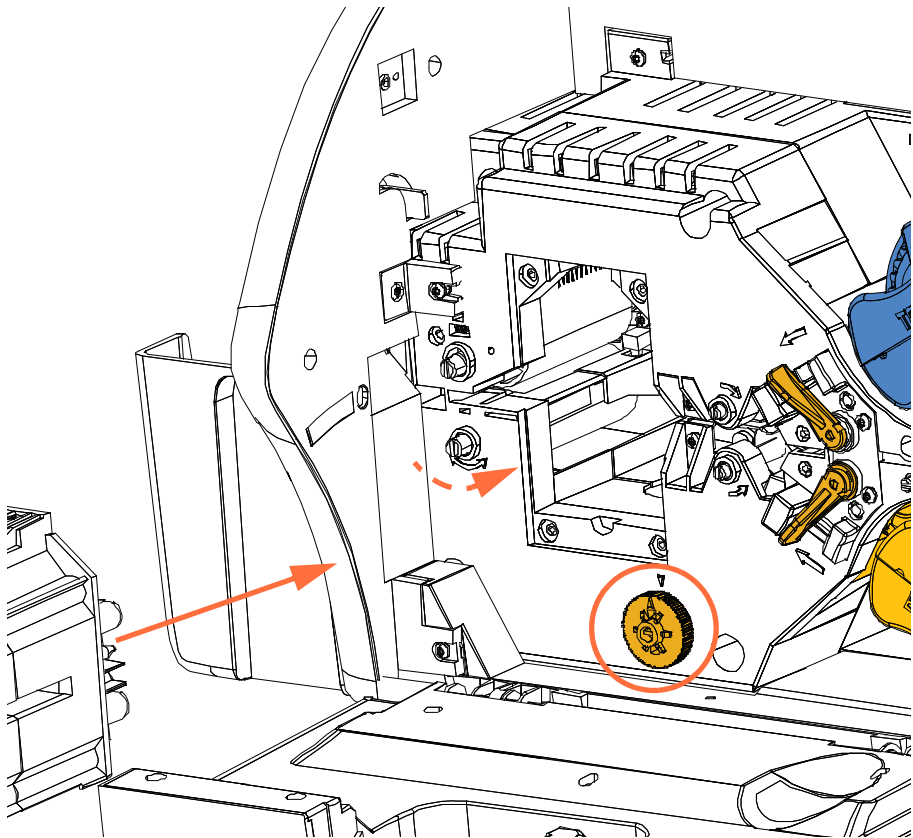
13. OCP Clean Printer Menu( )

14.

a. ( ).

b. ( ) ,

가 가



c. 4 4

15.





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가

<http://www.zebra.com/supplies>

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가

<http://www.zebra.com/supplies>

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**P1036101-082**

가 가

[km.zebra.com](http://km.zebra.com)

## OCP



•가

가

Zebra

|      |                                    | 가              | 가                                      |
|------|------------------------------------|----------------|--|
| 5    | FIRMWARE UPGRADE ERROR( )          | 가              |  |
| 6    | DIAGNOSTIC ERROR ( )               | 가              | 가                                      |
| 7    | FIRMWARE UPGRADE ERROR( )          | 가              |  |
| 8    | CRITICAL ERROR SHUTTING DOWN ( , ) | 가              | Zebra                                  |
| 3001 | PRINTER OFFLINE ( )                | OCP ( / ).     | OCP                                    |
| 4003 | CARD JAM( )                        |                |  |
| 4014 | CARD FEED ERROR ( )                | 가              | a. ,<br>b. 가 (10-50 mil) 가<br>a.<br>b. |
| 4015 | CARD NOT INSERTED ( )              | 30             |  |
| 5001 | OUT OF RIBBON ( )                  |                |  |
| 5002 | INVALID RIBBON ( )                 |                | 가 OCP                                  |
| 5003 | RIBBON JAM( )                      |                | a.<br>b.<br>c.                         |
| 5006 | RIBBON BEMF ERROR ( BEMF )         | Back EMF(BEMF) | Zebra                                  |
| 5007 | RIBBON COLOR DETECT ERROR( )       |                | Zebra 가                                |

|                |                                       | 가      | 가                                    |
|----------------|---------------------------------------|--------|--------------------------------------|
| 5008           | INVALID RIBBON<br>( )                 | .      | a. 가 OCP<br>b. 가                     |
| 6009           | FLASH ERASE ERROR<br>( )              | .      | 가                                    |
| 6010           | FLASH ERASE VERIFY<br>( )<br>ERROR( ) | .      | 가                                    |
| 6011           | FLASH PROGRAM<br>ERROR( )             | .      | 가                                    |
| 6012           | FLASH PROGRAM<br>VERIFY ERROR( )      | .      | 가                                    |
| 6013           | INVALID FW S-<br>RECORD( S- )         | .      | 가                                    |
| 6015 -<br>6025 | GENERAL MEMORY<br>ERROR( )            | .      | 가                                    |
| 7001           | CARD FEED ERROR<br>( )                | .<br>가 | a.<br>b. 가 (10-50 mil) 가<br>a.<br>b. |
| 7003           | PRINthead CABLE<br>ERROR( )           | .      | ,                                    |
| 7004           | CARD EJECT ERROR<br>( )               | 가      | .                                    |
| 7008           | PRINT COVER OPEN( )                   | 가      | 가                                    |
| 7010           | PRINthead MOTION<br>ERROR( )          | 가      | 가                                    |
| 7013           | MOTOR VOLTAGE<br>ERROR( )             | 1      | 가                                    |
| 7014           | SCRIPT PROCESSING<br>ERROR( )         | .      | 가                                    |
| 7015           | MAG MOTION ERROR<br>( )               | .      | 가                                    |

|                |   | 가      | 가  |
|----------------|---|--------|--|
| 7018           | SMARTCARD ERROR<br>( )                    | •<br>• | a.<br>b. 가<br>c. 가 ISO<br>d.   |
| 7019           | SCRIPT CONTENT<br>ERROR(<br>)             |        | 가  |
| 7020           | SCRIPT SEND ERROR<br>( )                  |        | 가  |
| 7023           | SMART CARD CAM<br>ERROR(<br>)             |        | 가  |
| 7024           | OPTIONS CARD JAM<br>( )                   | ,      |  |
| 7026           | FLIPPER CARD JAM<br>( )                   |        |  |
| 7028           | OPTIONS COVER<br>OPEN(<br>)               | 가      | 가  |
| 7029           | FLIPPER ROTATION<br>ERROR(<br>)           | 가      | Zebra  |
| 7032           | OPTIONS CARD JAM<br>( )                   | ,      |  |
| 7033           | FLIPPER BOARD<br>ERROR(<br>)              | 가      | Zebra  |
| 7034           | REJECT BIN FULL<br>REMOVE CARDS(<br>가 , ) | 가      | , OCP<br>0<br>(Main Menu(<br>) > Advanced Settings(<br>) > Clear Reject Bin(<br>))). |
| 7035           | OPTIONS CARD JAM<br>( )                   | ,      |  |
| 7036 -<br>7039 | PRINT CARD JAM<br>( )                     |        |  |

|       |                                       | 가  | 가   |
|-------|---------------------------------------|--|---|
| 9001  | MAG READ ERROR<br>( )                 | <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>                     | a.<br>b. 가<br>c. 가 가<br>d. ( 가 ISO ).<br>e.                                     |
| 9002  | MAG WRITE ERROR<br>( )                | <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>                     | a.<br>b. 가<br>c. 가 가<br>d. ( 가 ISO ).<br>e.                                     |
| 9004  | NO MAG STRIPE<br>( )                  | 가  | a.<br>b. 가<br>c. 가  |
| 15001 | MISSING MAB<br>(MAB )                 | MAB( ) RIFD  | a.<br>b.<br>c. 가  |
| 15002 | MAB FIRMWARE<br>MISSING<br>(MAB )     | MAB(Media Authentication Board)<br>가   |   |
| 17002 | LAMINATOR FAILED<br>INITIALIZATION( ) | 가 ,  | Zebra   |
| 17003 | LAMINATOR UNKNOWN<br>ERROR( )         | 가<br>FW  | a. OCP RETRY( )<br>b. Zebra   |
| 17004 | MISSING LAMINATOR<br>MAB<br>( MAB )   | MAB(Media<br>Authentication Board)   | a. 가<br>b. Zebra  |
| 17005 | TOP LAMINATE FEED<br>FAIL( )          | <ul style="list-style-type: none"> <li>• 가</li> <li>• 가</li> <li>• )가 (</li> </ul> | <ul style="list-style-type: none"> <li>• , ,</li> <li>• .</li> <li>•</li> </ul> |

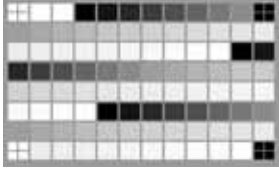
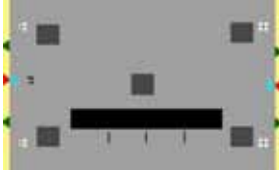

|       |   | 가  | 가   |
|-------|---|--|---|
| 17006 | BOTTOM LAMINATE<br>FEED FAIL(<br>)          | <ul style="list-style-type: none"> <li>가</li> <li>가</li> </ul>                       | <ul style="list-style-type: none"> <li>,</li> <li>,</li> <li>.</li> </ul> |
| 17007 | TOP LAMINATE<br>REGISTRATION<br>ERROR(<br>) | <ul style="list-style-type: none"> <li>.</li> <li>.</li> <li>가</li> <li>.</li> </ul> | <ul style="list-style-type: none"> <li>,</li> <li>.</li> </ul>            |
| 17008 | LAMINATOR CARD<br>FEED FAIL(<br>)           | 가  | .   |
| 17009 | LAMINATOR EARLY<br>CARD JAM(<br>)           | 가  | / /   |
| 17010 | LAMINATOR MIDDLE<br>CARD JAM(<br>)          | 가<br>가 가   | ,   |
| 17011 | LAMINATOR LATE<br>CARD JAM(<br>)            | 가  | a. 가<br>b. 가  |
| 17012 | LAMINATOR POLL<br>TIMEOUT(<br>)             | 가<br>가<br>가 가  | 가   |
| 17013 | LAMINATOR TOP<br>HEATER FAIL(<br>)          | 가 가<br>가 ,<br>가<br>, TopHeaterFail 가   | .   |
| 17014 | LAMINATOR BOTTOM<br>HEATER FAIL(<br>)       | 가 가<br>가 ,<br>가<br>, BotHeaterFail 가   | .   |






|       |  | 가                                   | 가                              |
|-------|--|-------------------------------------|--------------------------------|
| 17015 | LAMINATOR TOP TEMPERATURE HIGH<br>( )    | 가 , .                               | a. 가<br>b. 가 , .               |
| 17016 | LAMINATOR BOTTOM TEMPERATURE HIGH<br>( ) | 가 , .                               | a. 가<br>b. 가 , .               |
| 17017 | LAMINATOR TOP CUTTER STALL(<br>)         | , .                                 | 가 , .                          |
| 17118 | LAMINATOR BOTTOM CUTTER STALL(<br>)      | , .                                 | 가 , .                          |
| 17019 | LAMINATOR TOP CUTTER FAIL(<br>)          | 가 .                                 | 가 , .                          |
| 17020 | LAMINATOR BOTTOM CUTTER FAIL(<br>)       | 가 .                                 | 가 , .                          |
| 17021 | LAMINATOR TOP TEMP SENSOR FAIL(<br>)     | ( ) .                               | 가 , .                          |
| 17022 | LAMINATOR BOTTOM TEMP SENSOR FAIL<br>( ) | ( ) .                               | 가 , .                          |
| 17023 | LAMINATOR FAN FAIL<br>( )                | 가 ,<br>가                            | .                              |
| 17024 | LAMINATOR EEPROM DEFAULT<br>( ) EEPROM   | EEPROM<br>가<br>, 가 가 FW<br>EEPROM . | a. 가 OCP<br>RETRY( )<br>b. 가 . |
| 17026 | TOP AND BOTTOM LAMINATES OUT(<br>)       | 가 .                                 | .                              |
| 17027 | TOP LAMINATE OUT<br>( )                  | 가 .                                 | .                              |
| 17028 | BOTTOM LAMINATE OUT<br>( )               | 가 .                                 | .                              |

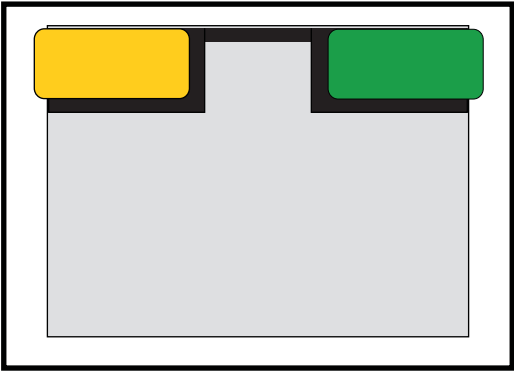
|       |                                       | 가                                      | 가                          |
|-------|---------------------------------------|--|----------------------------|
| 17029 | INVALID TOP LAMINATE( )               | 가 .                                    | a. 가 OCP<br>b. 가 .         |
| 17030 | INVALID BOTTOM LAMINATE( )            | 가 / .                                  | a. 가<br>b. 가 OCP<br>c. 가 . |
| 17031 | BOTTOM LAMINATE REGISTRATION ERROR( ) | • .<br>• .<br>• 가 .<br>• .             | , , .                      |
| 17038 | LAMINATOR COVER OPEN( )               | 가 가<br>가 .                             | 가 .                        |
| 17040 | LAMINATOR INITIALIZING( )             | 가 /<br>가 .                             | 가 .                        |
| 17041 | LAMINATOR FIRMWARE MISSING( )         | LCB(Laminator Controller Board)<br>가 . | .                          |
| 17042 | LAMINATOR MAB FIRMWARE MISSING( MAB ) | MAB(Media Authentication Board) 가 .    | .                          |



|   |   |   |
|---|---|---|
|  |  |  |
| Gradient Boxes  | Density Setup   | Monochrome Only   |

|   | Gradient Boxes  | 3 |  |
|--|-----------------|---|--|
|   | Density Setup   | 가 |  |
|  | Monochrome Only |   |  |

• --



- ( )

|   |                                  |
|---|----------------------------------|
|   | ( )                              |
| 1 | 10Base 가 LED 가 1<br>(1 , , 1 ).  |
| 2 | 100Base 가 LED 가 2<br>(2 , , 2 ). |

- ( )

|  |     |
|--|-----|
|  | ( ) |
|  | 가 . |
|  | .   |

• LED 가 , 가 .  
:  
- , RJ-45 가 .  
- . 가  
가 .  
- , 가 .  
가 .

- 300dpi(11.8 /mm)
- 1006 \* 640
- USB 2.0 10/100 가
- Microsoft Windows
- 200 (30mil)
- 20 (30mil)
- 90 (30mil)
- 
- ix Series ™
- 가 가 21 x 6 LCD
- Kensington®

- 
- 802.11b/g
- 
- 가

- – AAMVA ISO 7811 ( , 1, 2  
3, )
- 3 ISO 7816
- MIFARE® ISO 14443 A & B (13.56 MHz) ISO 7816  
(EMV 1 ), PC/SC
- UHF Gen 2 RFID
- USB
- ZMotif™ SDK
- Toolbox Microsoft Windows Certified :  
  - Windows 8, Windows 7, Windows Vista, Windows Server 2008(32 64 )
  - Windows Server 2012(64 )
  - Windows Server 2003 Windows XP(32 )
- CardStudio™
- Zebra Virtual PrintWare™ (PrintMonitor PrintManager)
- 
- 
- 

|        |       |   | Click to Drop |    | ( / ) |     |
|--------|-------|---|---------------|----|-------|-----|
|        |       |   |               |    |       |     |
| YMCKO  | YMCKO |   | 18            |    | 290   |     |
| YMCKOK | YMCKO | K | 21            |    | 225   |     |
|        | K     |   | 5             | 22 | 1375  | 265 |
|        | K     | K | 10            | 26 | 555   | 260 |
| YMCKO  | YMCK  |   |               | 28 |       | 270 |
| YMCKOK | YMCK  | K |               | 35 |       | 200 |

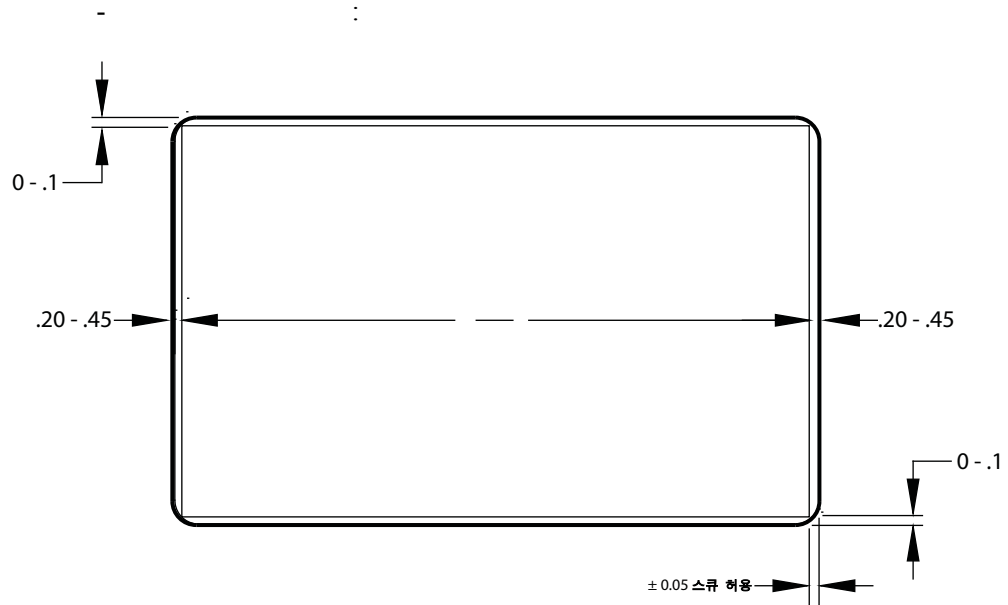
: USB ( ).

|        |       |   | Click to Drop |    | ( / ) |     |
|--------|-------|---|---------------|----|-------|-----|
|        |       |   |               |    |       |     |
| YMCKO  | YMCKO |   | 20            |    | 290   |     |
| YMCKOK | YMCKO | K | 24            |    | 225   |     |
|        | K     |   | 8             | 20 | 650   | 265 |
|        | K     | K | 13            | 26 | 435   | 260 |
| YMCKO  | YMCK  |   |               | 32 |       | 270 |
| YMCKOK | YMCK  | K |               | 38 |       | 195 |

: USB ( ).

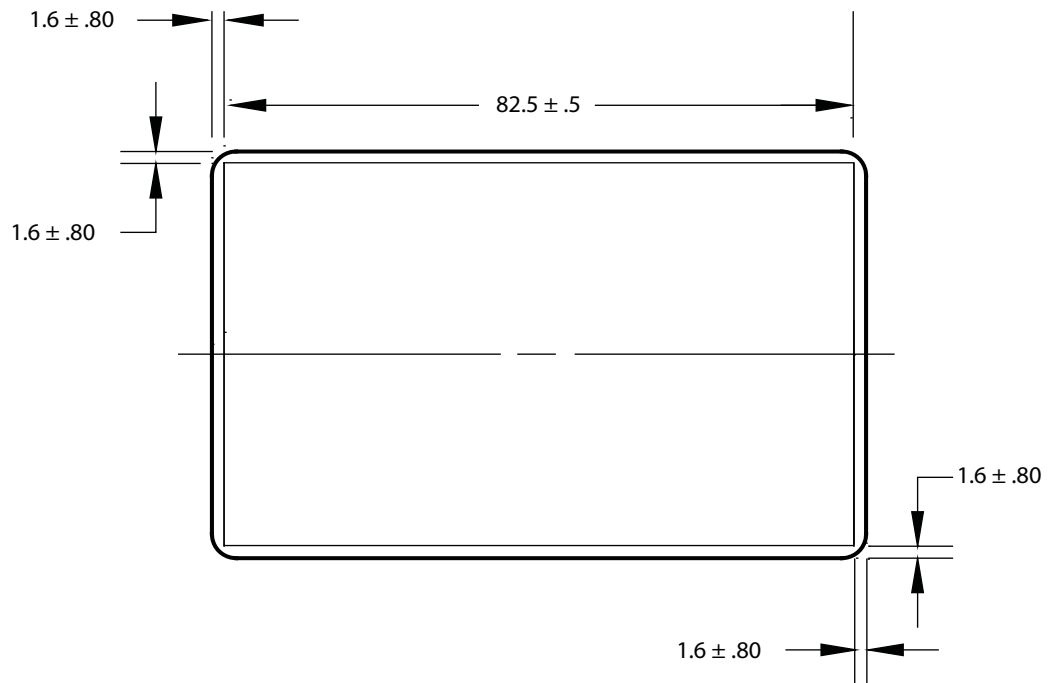


- 가
- CR80 (Edge-to-edge)



(Skew):  $\pm 0.05$  mm

- ,
- 
- 

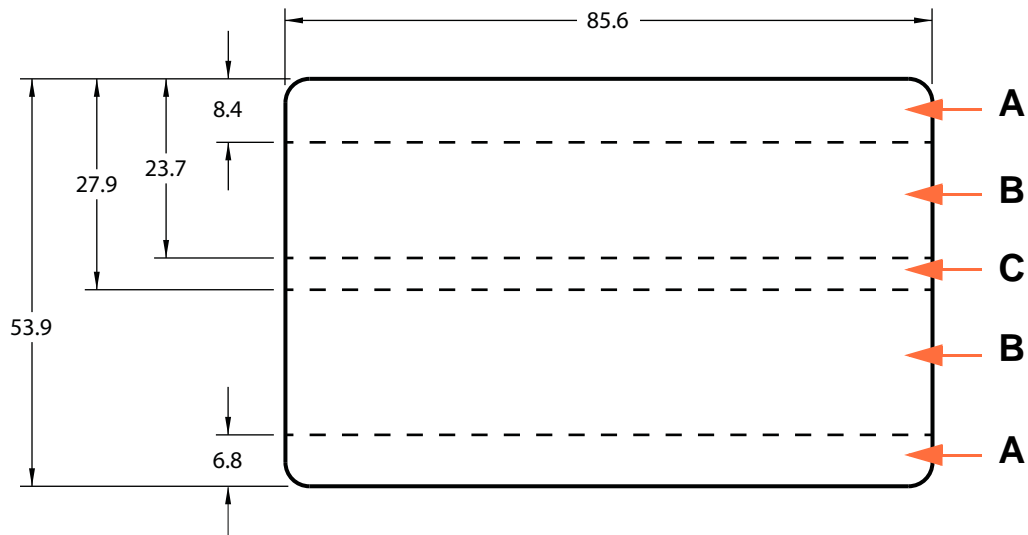


- 가 ix Series™ Zebra Zebra True Secure™ i Series RFID
- 
- 
- True Colours® ix Series™
- True Secure™ i Series

: Zebra .

/

- : 10 – 50 mil (0.25 – 1.27 mm)
- : 30 mil (0.76 mm)
- : CR-80, ISO 7810 , Type ID-1
- : PVC , PET, PET-G, PET-F Teslin®
- :
- : (IR-blocked)
- /



**A:** IR 가

**B:**

**C:** 가 , IR 가





- USB V2.0
- USB
- 10/100 BaseT

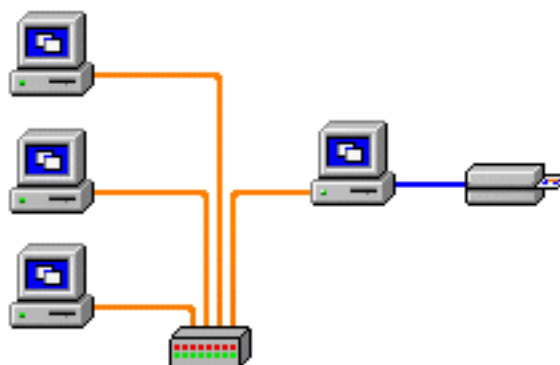
- AC
- 90V~264V AC 47-63 HZ (50-60Hz )
- FCC Class A
- - 100 W
  - / ( ) 120 W
  - / ( ) 450 W
  - ( ) 120 W
  - 250 W
  - 20 W

- : 306mm(12.0 )
- ( ): 699mm(27.5 )
- ( 가 ): 964mm(38.0 )
- : 277mm(10.9 )
- ( ): 12.2 kg (26.9 lbs)
- ( 가 ): 17.9 kg (39.5 lbs)

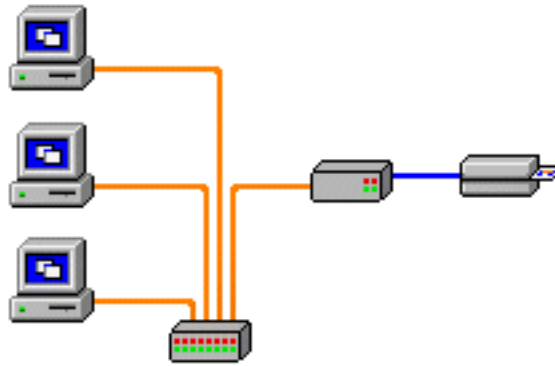
- : 15°C/59° F ~ 35°C/95° F
- : -5°C/23° F ~ 70°C/158° F
- : 20% ~ 80% ,
- : 10% ~ 90% ,
- 60° C/140° F 200 ,
- 90% 40° C/104° F 100

|   |                       |
|---|-----------------------|
|  | 仅适用于海拔 2000m 以下地区安全使用 |
|  | 仅适用于在非热带气候条件下安全使用     |

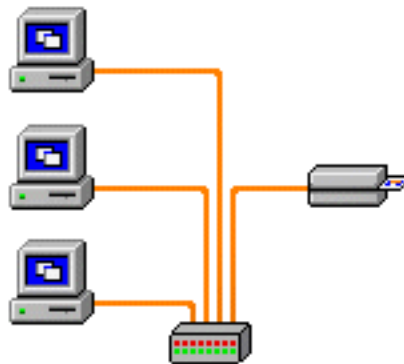
3 가 가



A:

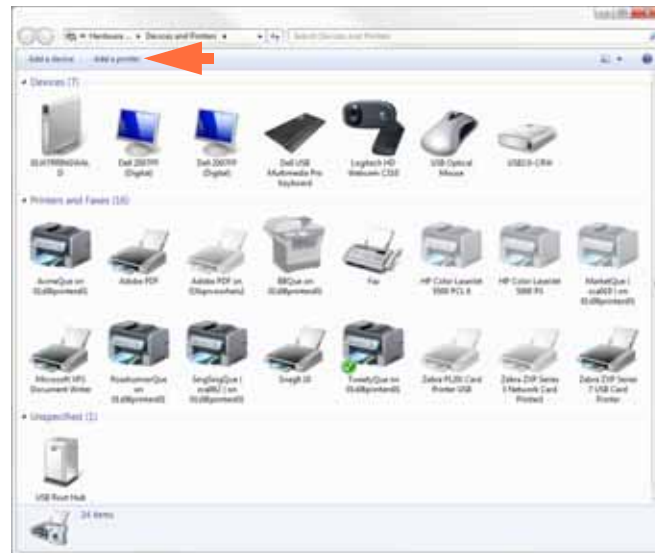


가

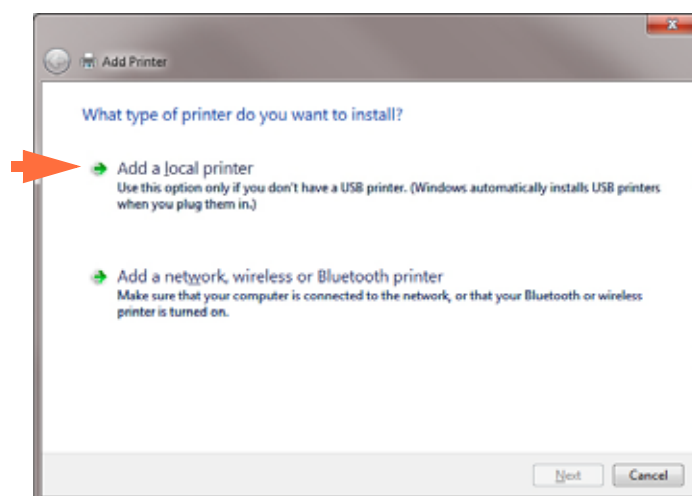


Microsoft Add Printer Wizard(가 ( 2 )),

1. [Start( )], [Devices and Printers( )]
2. Devices and Printers( )



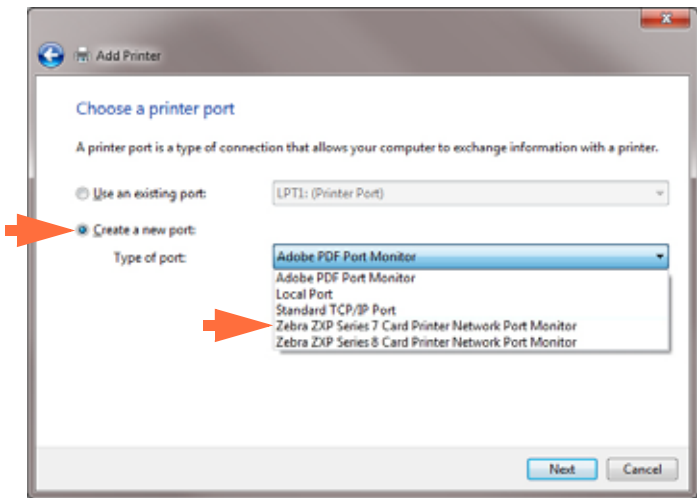
3. [Add a printer(가)] ( ).
4. What type of printer do you want to install( )



5. [Add a local printer(가)]( ), [Next( )]

A:

6. Select a Printer Port( )

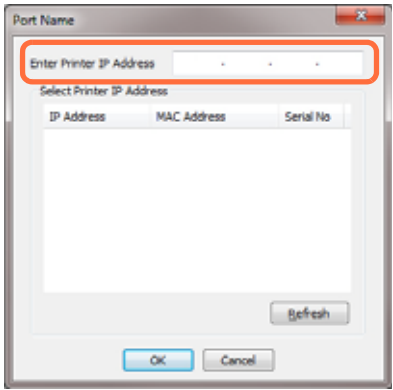


7. [Create a new port( )]

8. [Zebra ZXP Series 7 Card ...]

9. [Next( )]

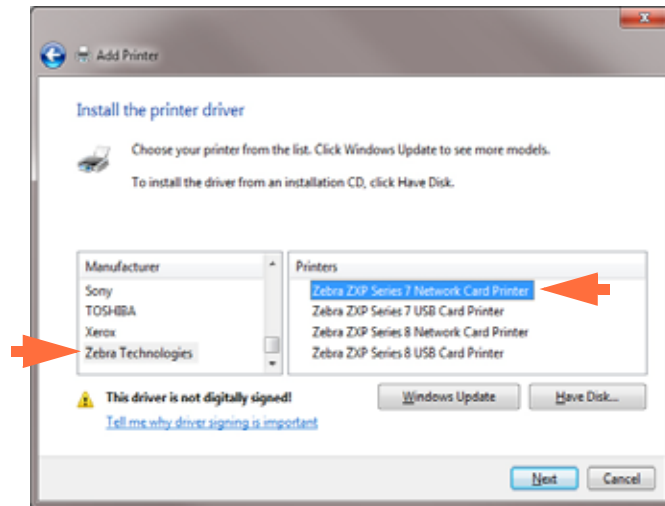
10. Port Name( )



11. [Enter Printer IP Address( IP )]

12. [OK( )]

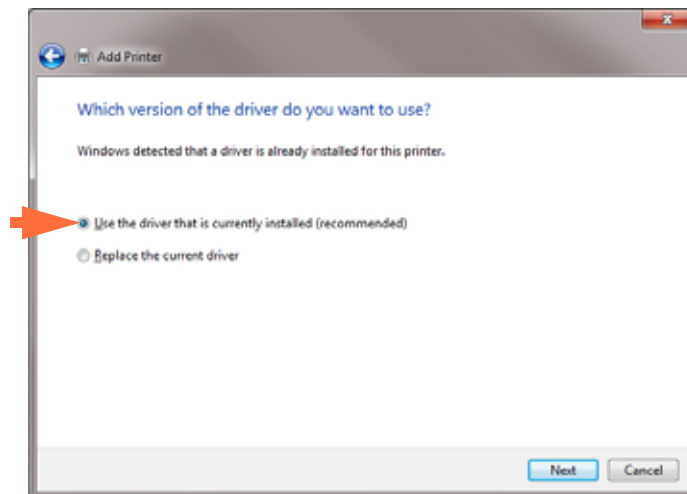
13. Install the printer driver( )



14. Manufacturer( ) Printers( ) ( ).

15. [Next( )]

16. Which version of the driver do you want to use( )



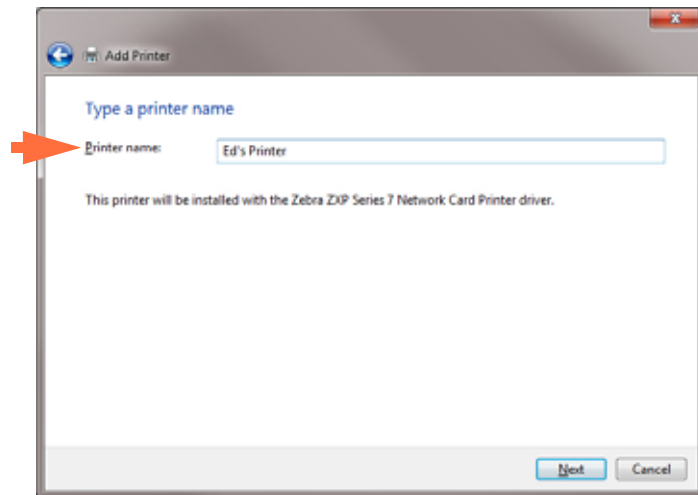
17. [Use the driver that is currently installed( )]

( )

18. [Next( )]

A:

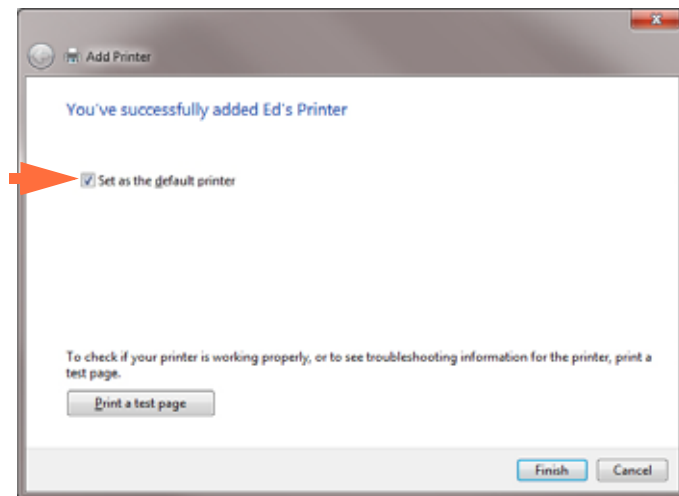
19. Type a printer name( )



20. 가 , Ed's Printer, Mike's Office, Room 33

21. [Next( )]

22. You've successfully added( 가 ) ...



23. , [Set as the default printer( )]  
( ).

24. [Finish( )] Add Printer Wizard( 가 )





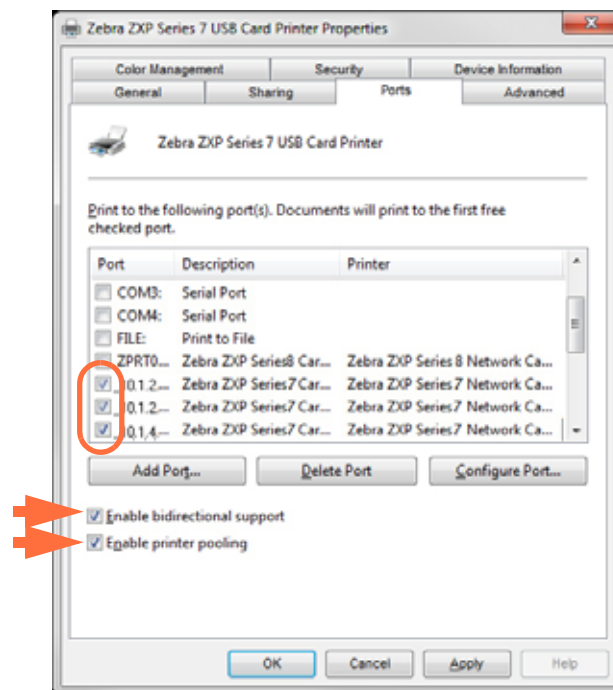
Windows

3

1.

- ( )
- 
- ( )

2.



3.

3

(

).

4. [Enable printer pooling( 가 )] [Enable bidirectional support( 가 )]

5. [Apply( )] , [OK( )]

A:



• 가 가 (2 " 가 ",  
가 ),  
가2  
( 가  
).



• / ,

B



가 ,  
.

B:

1.

2.

IP

3.

가



4. Printer Information( )

(

5. Windows Security( ) : User name( )  
"admin" . Password( ) "1234"  
[OK( )]



6. Printer Information( )



7.

8. ( X )



가

가

가

가

가

가

가    가    ,  
      가

.가

- 가
- 가
- 
- 
- 
- 2.4GHz RF

P1035089-003

| IEEE 802.11b/g                  |            | 802.11b  | 802.11g         |
|---------------------------------|------------|----------|-----------------|
| 802.11b                         |            |          |                 |
| • 802.11b                       | 11Mbps     |          |                 |
| • 11 Mbps                       |            | 1 Mbps   |                 |
| 802.11g                         |            |          |                 |
| • 802.11g                       | 54 Mbps    |          |                 |
| • 54 Mbps                       |            | 6 Mbps   |                 |
|                                 |            |          |                 |
| • Wired Equivalent Privacy(WEP) |            |          |                 |
| • Wi-Fi                         | (WPA/WPA2) |          |                 |
|                                 |            |          |                 |
| • RC4(WEP                       | 가 )        |          |                 |
| • TKIP(WPA                      | 가 )        |          |                 |
| • CCMP(WPA2                     | 가 AES )    |          |                 |
| ZXP Series 7                    |            | Personal | Personal Shared |
| Key(PSK)                        |            |          |                 |
|                                 |            |          |                 |
| USB                             |            |          |                 |
|                                 |            |          |                 |
|                                 | 가 ,        | ( )      | Toolbox         |





. OCP ZXP Series 7  
*P1035089-003* ZXP Toolbox

- :
- DHCPDHCP ( )가
- :
- :
- *Passphrase*
- SSID
- :
- :
- :
- ZXP Series 7

1. , .
2. INFO IP 가 .
3. .
4. , IP ( 2 ).
5. 가 .

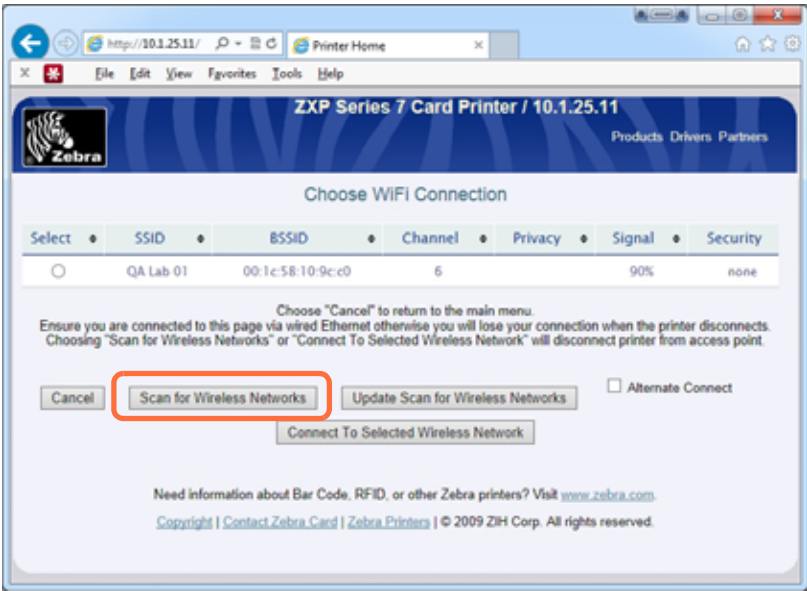


6. Wireless Parameters( ) ( ).

7. Windows Security( ) : User name( )  
"admin" . Password( ) "1234"  
[OK( )]

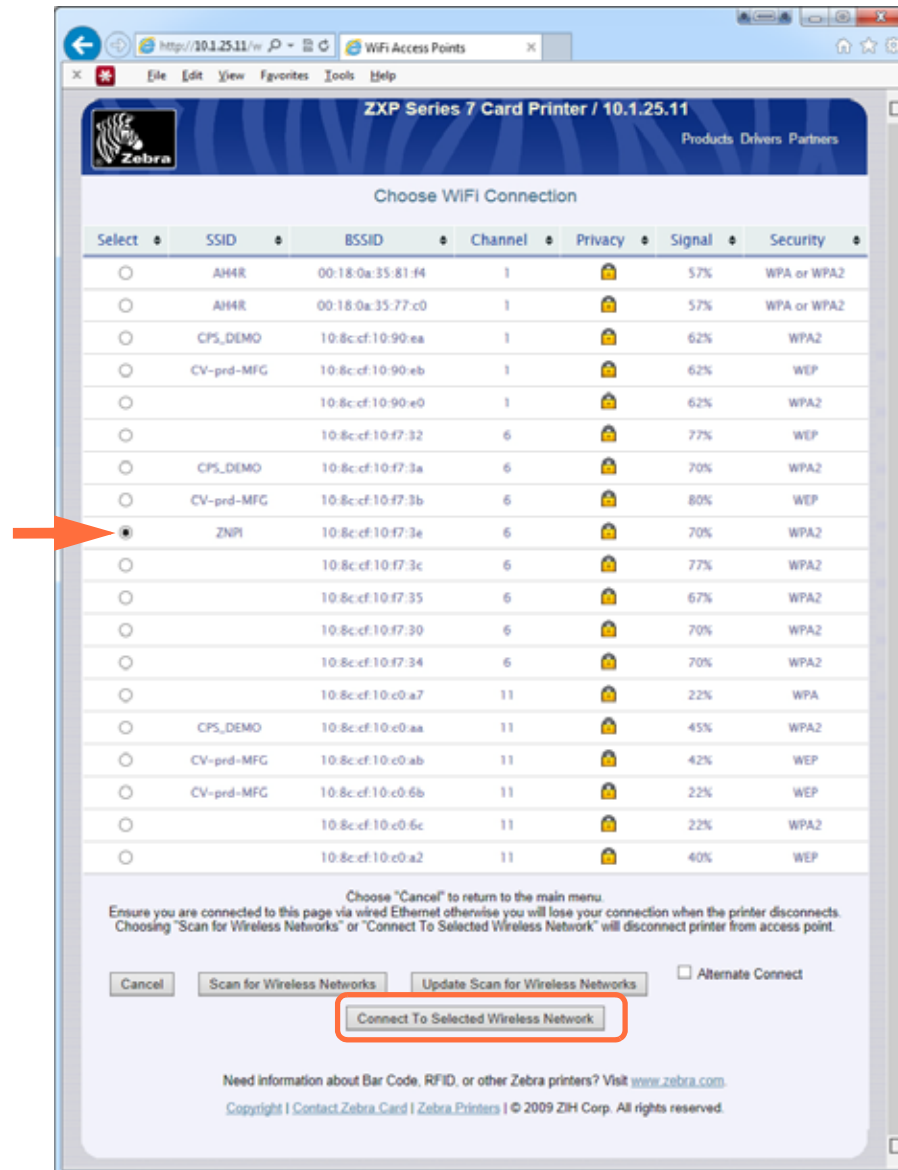


8. Choose WiFi Connection(WiFi ) 가

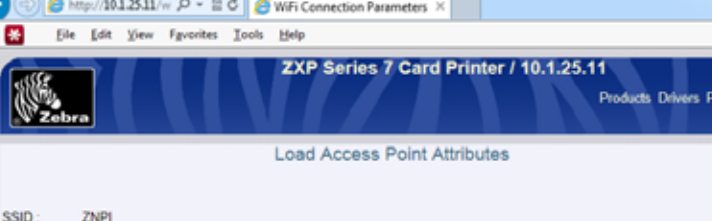


9. [Scan for Wireless Networks( )]  
( )

10. Choose WiFi Connection(WiFi ) 가



11. ZNPi( )  
 ). [Connect to Selected Wireless Network( )]  
 )]  
 가 , [Scan for Wireless Networks( )]  
 가 [Update Scan for Wireless Networks ( )]

- 
- http://10.1.25.11/ WiFi Connection Parameters X
- File Edit View Favorites Tools Help
-  **ZXP Series 7 Card Printer / 10.1.25.11** Products Drivers Partners
- Load Access Point Attributes
- SSID : ZNPI  
BSSID : 10:8c:cf:10:f7:3e  
Security : WPA2  
Encryption : CCMP  
Passphrase :
- 
- Need information about Bar Code, RFID, or other Zebra printers? Visit [www.zebra.com](http://www.zebra.com).  
Copyright | [Contact Zebra Card](#) | [Zebra Printers](#) | © 2009 ZIH Corp. All rights reserved.

- 
- The screenshot shows a web browser window with the address bar displaying <http://10.1.25.11/>. The page title is "ZXP Series 7 Card Printer / 10.1.25.11". The Zebra logo is in the top left corner. The main content area displays "Input Accepted" and "Successful Connection". A left-hand navigation menu lists various settings:
- Home
  - Set IP Address
  - Wireless Parameters
  - Syslog Server
  - Printer Statistics
    - Printer Information
    - Sensors
    - Media
    - Laminator
    - IP Route Table
  - Printer Commands
    - Job Queue
    - Printer Settings
    - Test Cards
    - Reset Printer
- At the bottom, there is a footer with the text: "Need information about Bar Code, RFID, or other Zebra printers? Visit [www.zebra.com](http://www.zebra.com). Copyright | [Contact Zebra](#) | [Zebra Printers](#) | © 2009 ZIH Corp. All rights reserved."

1. [Zebra ZXP Series 7 Card Printer - 41](#)  
IP 가
2. [Zebra ZXP Series 7 Card Printer - 42](#)
  - a. [Start( ) > Devices and Printers( )]
  - b. [Zebra ZXP Card Printer]  
[Printing Preferences( ) > Card Setup( )]
  - c. [Test Print( )]가



가

(HiCo) (LoCo)

HiCo LoCo :

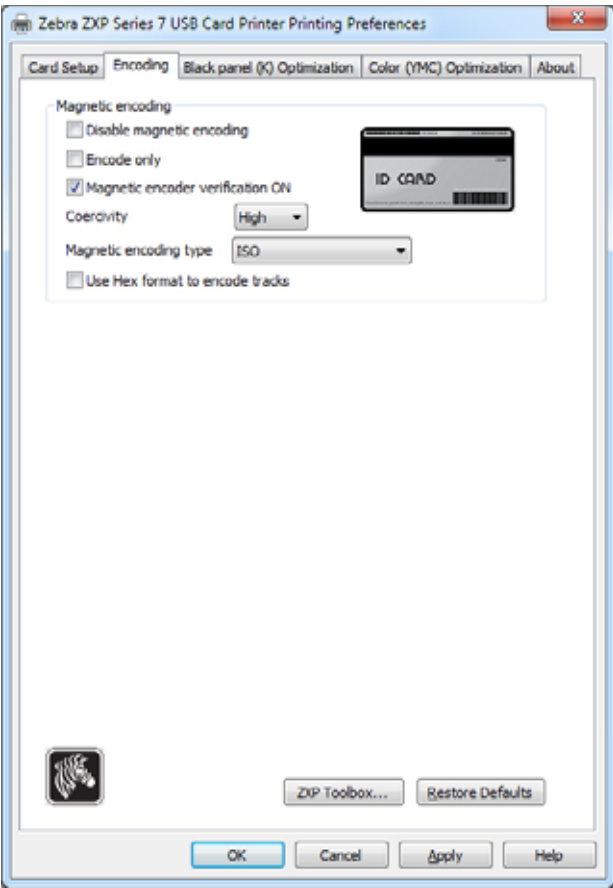
- HiCo , ID ,  
HiCo
- LoCo ,  
LoCo

D:

( )

Initial Setup( )

1. [Encoding( )]

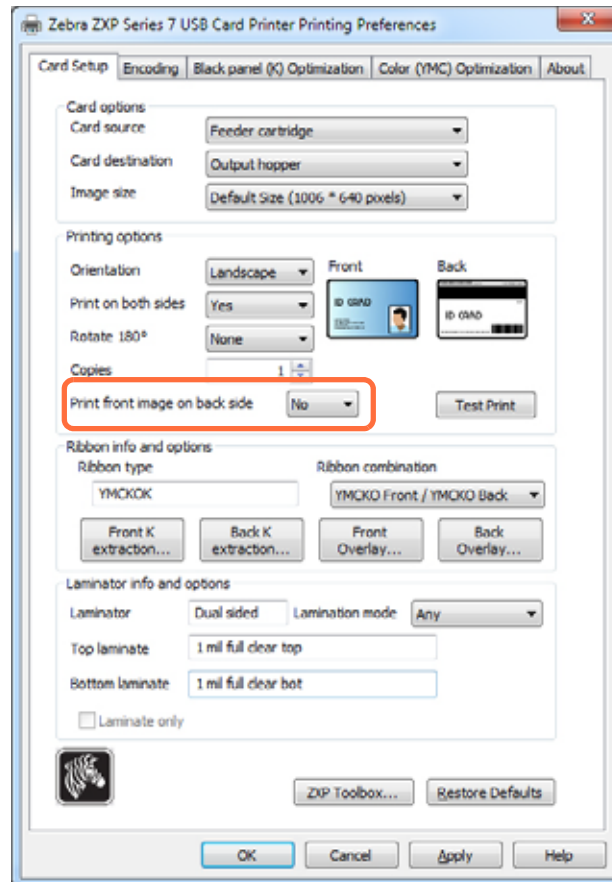


- 2.
- **Magnetic encoder verification( ):**  
(1) , (2) , (3)  
, (4) 2 ,  
, (5) ,
  - **Coercivity( ):** High Low
  - **Magnetic encoding type( ):** ISO, AAMVA, CUSTOM  
BINARY
3. [Apply( )] , [OK( )]



## Stripe-Up Encoding( )

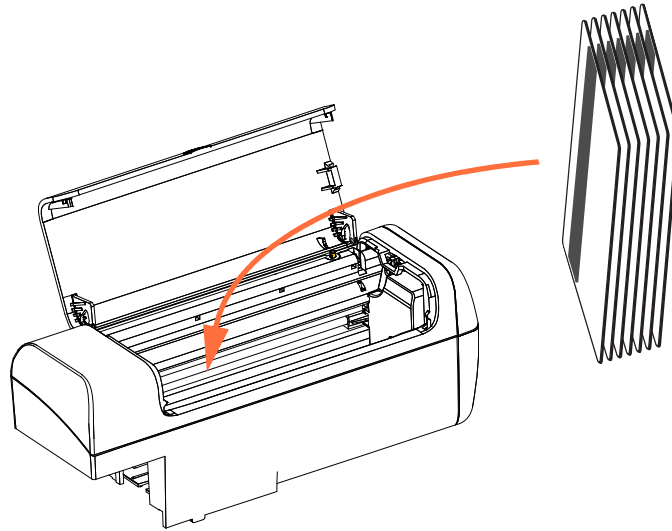
가  
[Print front image on back side( )] , [Yes( )]





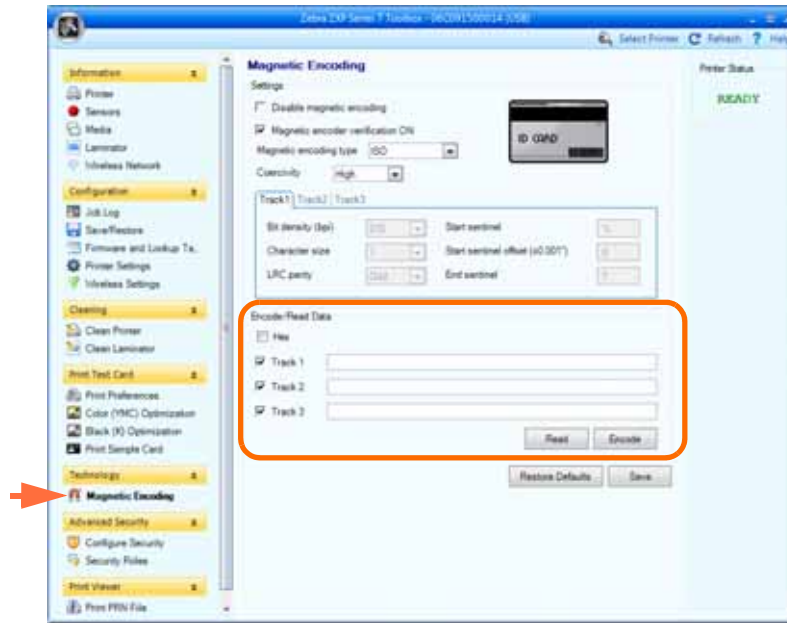
•

ISO 7810 7811  
가  
가



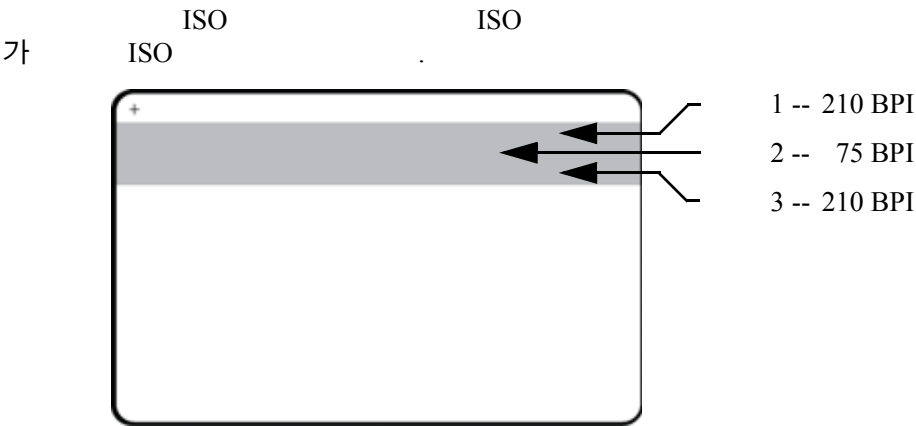
( 가 가 )  
가 , F

- and Printers( )]]
- Card Printer] , [Properties( ) >
- Device Information( ) > ZXP ToolBox(ZXP )]
1. Toolbox [Technology( ) > Magnetic Encoding( )]



2. Coercivity( ): High( ) Low( )
3. For encoding( ): Track 1( 1), Track 2( 2) ?/ Track 3( 3) , [Encode( )]
- 4.
- 5.
6. For reading / validating( / ): Track 1( 1), Track 2( 2) / Track 3( 3) , [Read( )]
7. 가
- 8.
9. 3
- 10.

ISO( )



ISO ASCII

|   |       | LRC |     |   |   |                    |
|---|-------|-----|-----|---|---|--------------------|
|   | (BPI) |     | ( ) |   |   |                    |
| 1 | 210   | 7   | 76  | % | ? | 7.4 mm<br>(0.293 ) |
| 2 | 75    | 5   | 37  | ; | ? | 7.4 mm<br>(0.293 ) |
| 3 | 210   | 5   | 104 | ; | ? | 7.4 mm<br>(0.293 ) |

3 CR-80  
, ISO 7811 HiCo LoCo  
3 ISO 7811  
• 1 7 79 IATA(International Air  
Transport Association) 210 BPI( )  
• 2 75 BPI 5 40  
ABA(American Banking Association)  
• 3 5 107 THRIFT 210 BPI  
ISO ( 0), (ISO 7  
5 ), (LRC) 7  
6 가  
4 가  
ISO ( )가 1 ABA (PAN)  
( 2) ( , 가 )가



# AAMVA

Association of Motor Vehicle Administrators, AAMVA(American )

|     |     |     |    |     |      |              |
|-----|-----|-----|----|-----|------|--------------|
| 1   |     | 3   | ,  | 2   |      |              |
| ( ) |     | ( ) |    | LRC | (mm) |              |
| 1   | 210 | 7   | 79 | %   | ?    | 0.293" (7.4) |
| 2   | 75  | 5   | 37 | ;   | ?    | 0.293" (7.4) |
| 3   | 210 | 7   | 79 | %   | ?    | 0.293" (7.4) |

, ISO  
, ISO ( )

## 2

2  
" 2 " 가 16 가  
, LRC, 가 " "  
ISO 7.5mm(0.3 ) 가  
(2 가 )  
가  
CR-80 75 BPI 252 , 210BPI 708  
가 31 (248 ) 88

ZXP ZXP Series 7

가

가

ZMotif

- 1. C01< 1 >  
C02< 2 >  
C03< 3 >
- 2. \${1< 1 >}\$  
\${2< 2 >}\$  
\${3< 3 >}\$
- 3. ~1=< 1 >  
~2=< 2 >  
~3=< 3 >

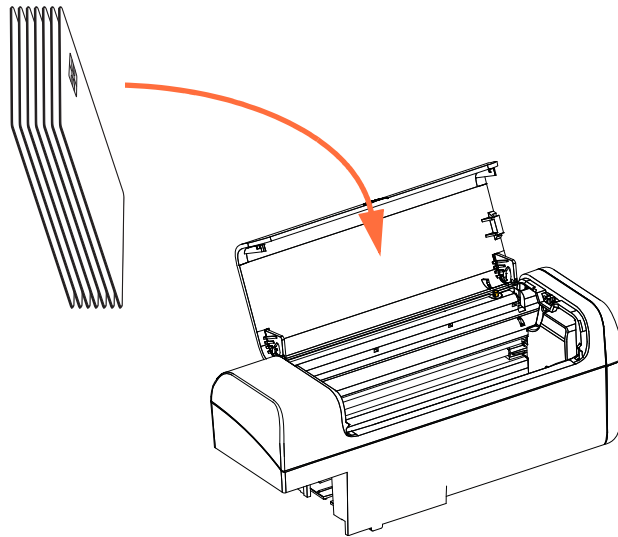


가 가 .  
/ , 가 .  
가 , 가 가  
가

가

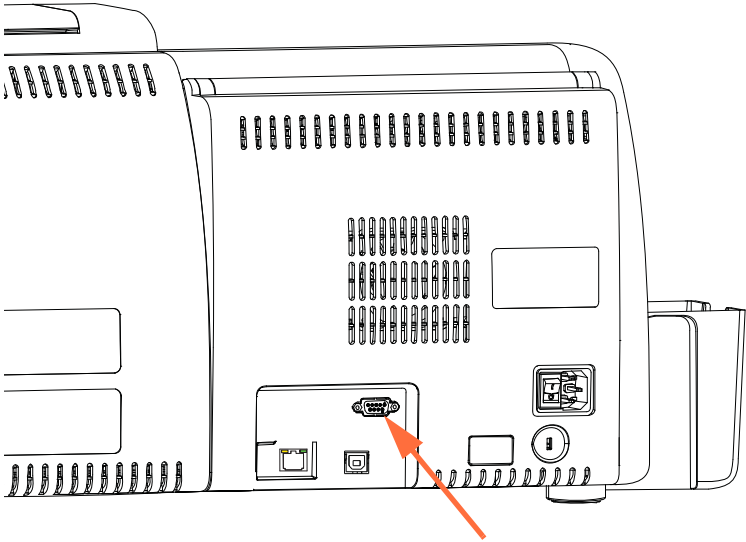
(  
PCBA(  
) /

( 가 가 )





DB-9



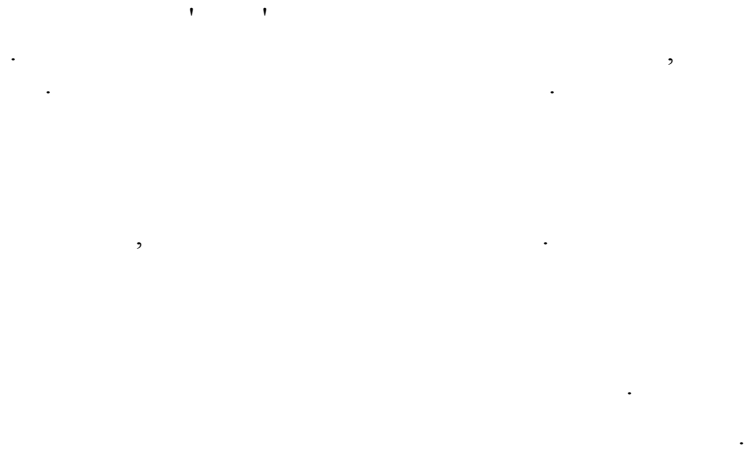
DB-9

DB-9

| 1 | C1 (VCC) | 6 | C6 (Vpp) |
|---|----------|---|----------|
| 2 | C2 ( )   | 7 | C7 (I/O) |
| 3 | C3 ( )   | 8 | C8 (RFU) |
| 4 | C4 (RFU) | 9 | ( GND)   |
| 5 | C5 (GND) |   |          |



E:

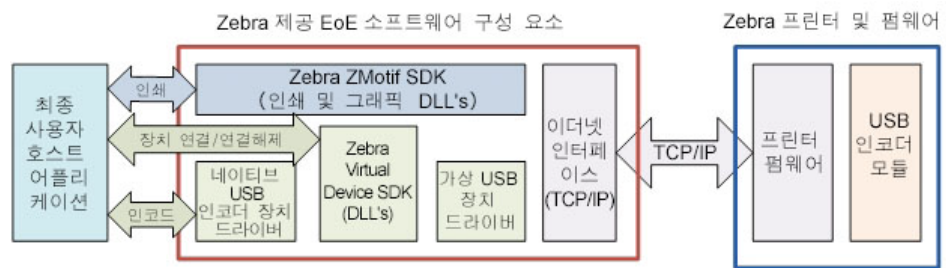


ZXP Series 7 , ZMotif SDK 가 ( )  
Zebra USB /

OCP - 61

가 USB (

/ ).



, USB 가 ( )

- SLE5542 SLE5528
- MIFARE® Ultralight, MIFARE® Classic 1K, MIFARE® Classic 4K, MIFARE® DESFire® 4K UHF

SDK

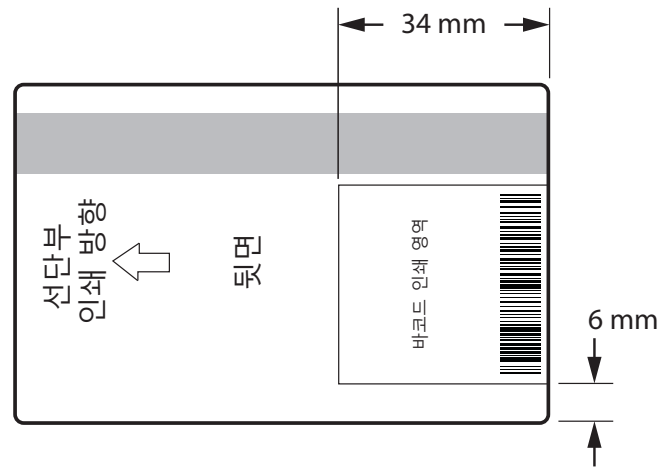
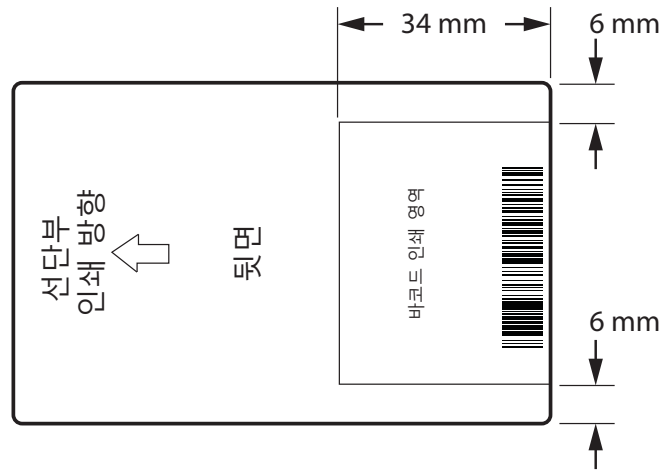
|            |              |
|------------|--------------|
| ZMotif SDK | .            |
| •          | 가            |
| •          | .            |
| •          | .            |
| SDK        | C#           |
| VB.Net     | .            |
| •          | ( , , 가 )    |
| •          | ( , , 가 )    |
| •          | + .          |
| •          | + .          |
| •          | + .          |
| •          | + .          |
| ZMotif SDK | / /          |
|            | .            |
| ZMotif SDK | P1004475-002 |
|            | .            |



(EIN) 가

- 128 A B( ) , 12
- 128 C( ) , 24

30-mil 30-mil



10 가 6.4 mm

가



## SDK

SDK 가  
P1004475-002

ZMotif SDK

