

POINTMAN® Card Printer



User guide manual



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Install Program

-System Requirements

① Supported Operating Systems

- Windows 2000
- Windows XP (32/64bit)
- Windows Vista (32/64bit)
- Windows 7 (32/64bit)
- Windows 8 (32/64bit)
- Windows 10 (32/64bit)
- Windows 2012 R2 Server
- Windows 2008 Server
- Windows 2003 Server (32/64bit)

② Recommended Specifications

- CPU: Pentium III 1 Ghz (Pentium IV 1.5 Ghz is recommended)
- Memory: 128 MB (512 MB is recommended)
- HDD: 1 GB (5 GB is recommended)
- Internet Explorer 5.5 or higher (6.0 is recommended)



Note

You need to log in as an Administrator to install or uninstall the driver on Windows 2000/XP/Vista/7/8.

-Install Software



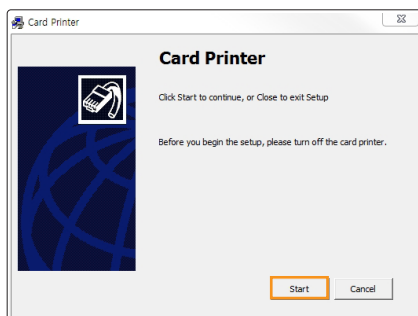
Caution

It is recommended to close all programs before installing the software.

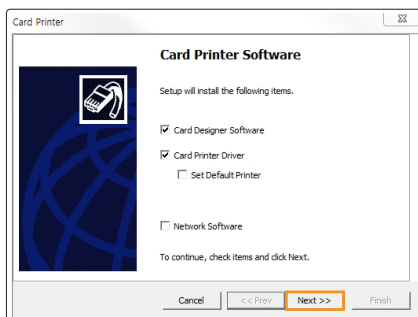
① Install Software Using Local Port(USB)

1. Insert the CD into the PC's CD-ROM drive, and the setup program will start automatically. If the program does not start automatically, then go to the CD-ROM drive's root directory and run "**install.exe**" manually.

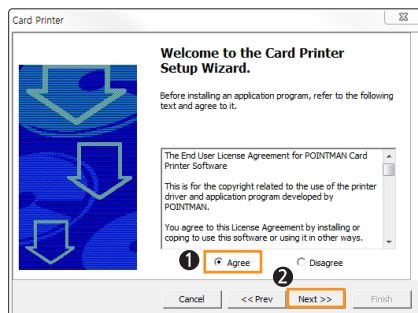
2. The initial screen of the Card Printer Driver is displayed as shown in the picture. Click **“Start”** to install the program.



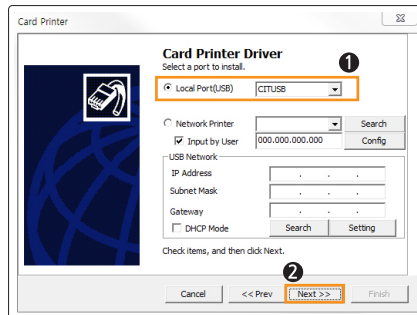
3. Select the software to install and click **“Next”** to proceed.
(Card Designer Software, Card Printer Driver)



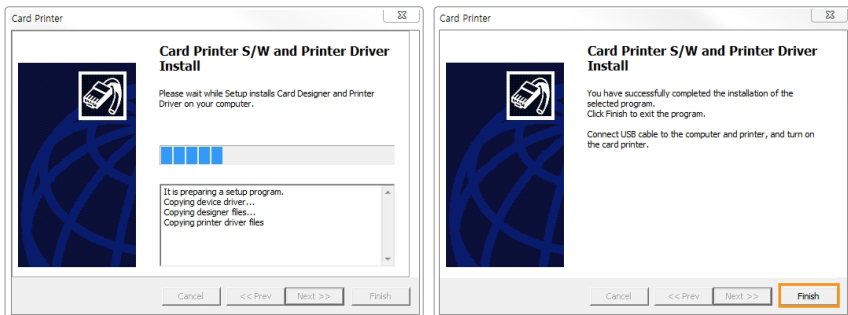
4. Read the Terms of Use and check **“Agree”**. Then, click **“Next”** to proceed.



- Specify the Port Type and click **"Next"**.
(Select **"CITUSB"** when connecting the printer directly to the PC using a USB cable.)



- Click **"Finish"** to complete the installation process.



- Make sure that the following programs are installed.

For **"Card Designer Software"**, check:

"Start → All Programs → POINTMAN → Card Designer"

For **"Card Printer Driver"**, check:

"Start → All Programs → POINTMAN → Printer"

Go to **"Devices and Printers"** and make sure **"Card Printer"** has been installed.

② Install Software for Network Printer

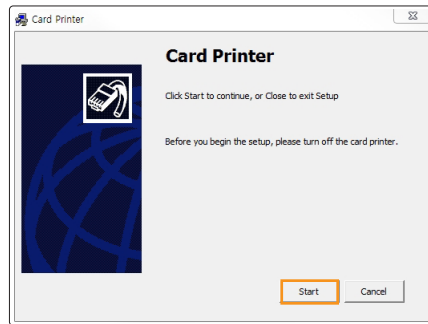


Caution

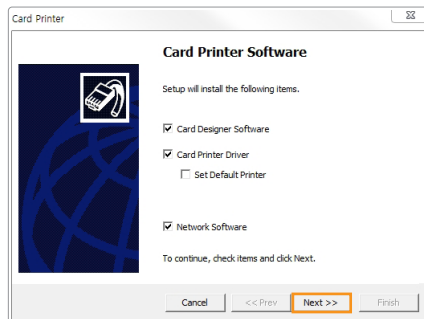
Connect the LAN cable between the Ethernet port and the router/server.
PC should be connected to network.

- Insert the CD into the PC's CD-ROM drive and the setup program will start automatically. If the program does not start automatically, then go to the CD-ROM drive's root directory and run **"install.exe"** manually.

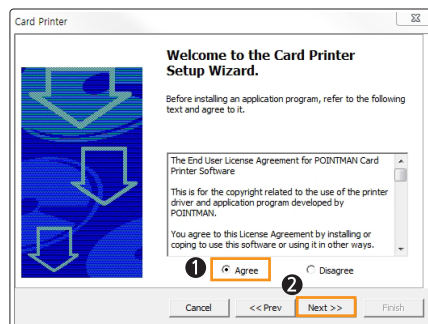
2. The initial screen of Card Printer Driver is displayed as shown in the picture. Click **"Start"** to install the program.



3. Select the Printer Driver & Network Driver options to install and click **"Next"** to proceed. (Connect a LAN cable to the NUVIA series-NX0 with Ethernet option and select **"Network Software"**.)



4. Read the Terms of Software and check **"Agree"**. Then, click **"Next"** to proceed.

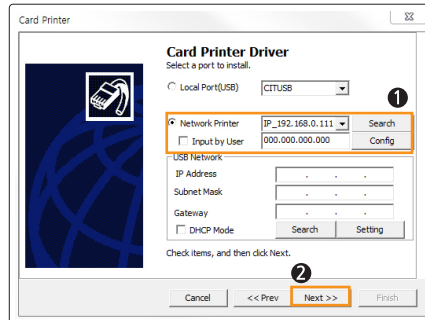


5. Click **"Finish"** to complete the installation process. Finish.

5. Install Network Printer

5-1. Auto Installation

Select **"Network Printer"** and the printer IP address will be displayed if it is connected to the network. Click **"Next"** to continue.



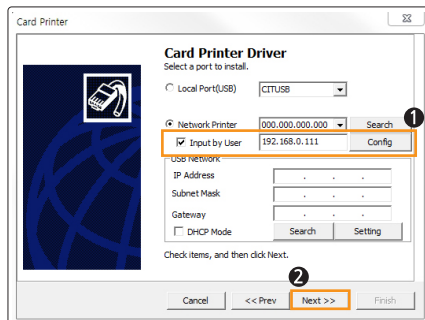
5-2. Manual Installation

If the printer's IP address is not shown as in the picture, then check the following.
(Make sure that the printer is in the same IP range.)

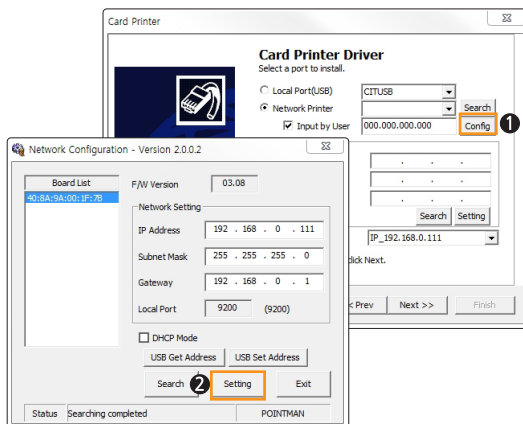
(1) If they are in the same IP range

For example, if your PC's IP address is 192.168.0.xxx, then the printer's IP address must be 192.168.0.yyy.

If they are not in the same IP range, check **"Input by user"** and enter the printer's IP address. Then, click **"Next"** to proceed.



(2) If they are in the same IP range, but the printer cannot be found
Check "Input by user" and click "Config" and "Setting".



When the Network Configuration window pops up, the available printers will be displayed.

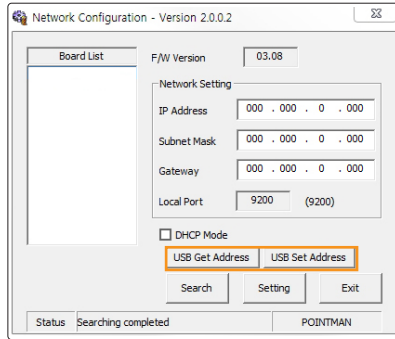
Check the IP Address, Subnet Mask and Gateway and click "**Setting**".

Check DHCP to enable DHCP mode and click "**Setting**". If the settings are entered correctly, the printer will initialize.

If the IP address and Board List are not specified in the Network Configuration window, then they may be in a different IP address range or the printer is not connected to the network. You will need to check your network settings.

5-3. Manual Installation (Connect to the printer using a USB connection)

If the printer is not automatically detected, connect to the printer using a USB connection and configure the network settings.



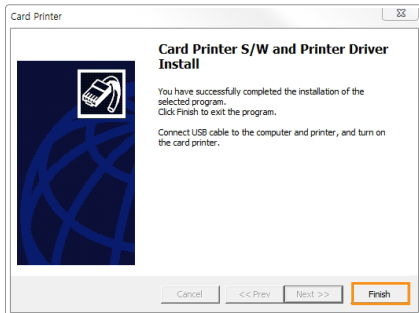
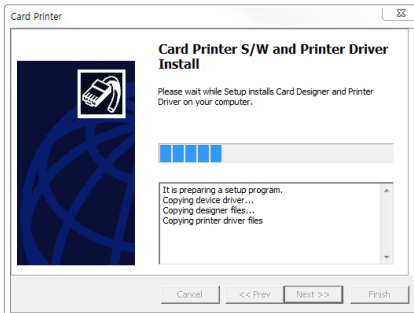
(1) Retrieve Address via USB

Connect the printer to a PC using USB connection and click **"USB Get Address"** to check the device's IP Address, Subnet Mask, Gateway and MAC address.

(2) Set Address via USB

Check the values retrieved through **"Retrieve Address via USB"**. Enter the IP Address, Subnet Mask, and Gateway, and click **"Retrieve Address via USB"**

6. Click **"Finish"** to complete the installation process.



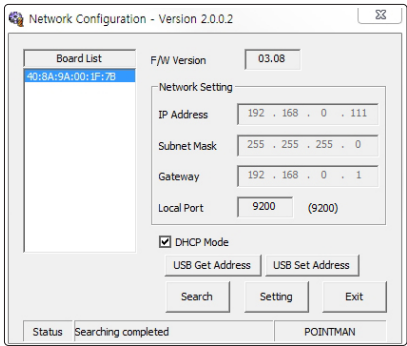
③ Configure Network Settings

After installing the printer driver, go to the following path to configure network settings. (This feature is only supported by some models.)

"Start → All Programs → POINTMAN → Network"

"Start -> Apps (by name) -> Pointman -> Network setting"

1) Network Configuration Window



Item		Description
Board List		Displays a list of detected printers.
Firmware Version		Displays the firmware version of the selected network board.
Network Setting	IP Address	Displays the IP address of the selected network board.
	Subnet Mask	Displays the subnet mask of the selected network board.
	Gateway	Displays the gateway of the selected network board.
	Local Port	Sets the port of the network printer.
DHCP Mode		Sets the IP address automatically for network environments that support DHCP. Otherwise, you need to retrieve the allocated IP address and enter manually.
USB Get Address		Retrieves the printer's network address USB.
USB Set Address		Sets the printer's network address via USB.
Search		Searches the printer's network.
Setting		Saves the new network information to the printer. After the settings are applied, the printer reboots. This reboot takes about 10 seconds.
Exit		Exit the program.

2) DHCP (Dynamic Host Configuration Protocol)?

DHCP (Dynamic Host Configuration Protocol)?

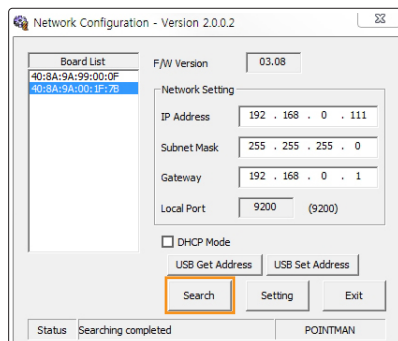
DHCP is a network protocol that automatically allocates TCP/IP to the client PC.

The DHCP server sends the client's network settings (e.g. IP Address, Subnet Mask, Gateway, DNS server) automatically.

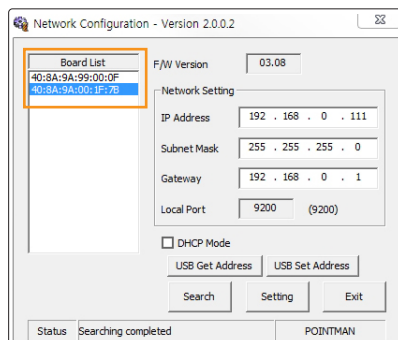
If **"Obtain an IP Address automatically"** is set in your TCP/IP settings, it means that DHCP Mode is enabled.

3) Network Setting - Automatic (DHCP supported)

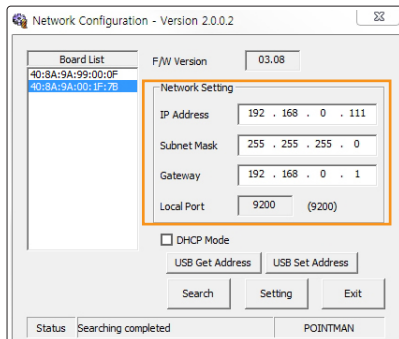
1. Go to **"Start → All Programs → POINTMAN → Network"** and click OK to open the settings window.
2. In the Network Configuration window, click **"Search"** to search the connected network board.



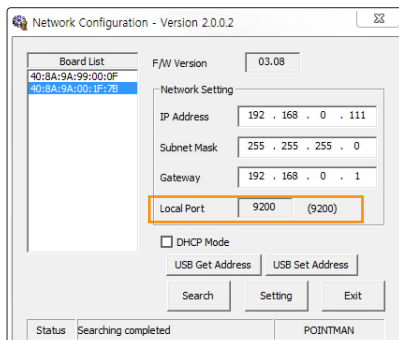
3. Select the MAC Address from the Board List.



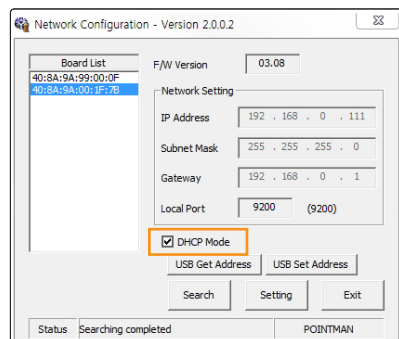
4. The IP Address, Subnet Mask and Gateway are allocated automatically by the DHCP server, and there is no need to set the values.



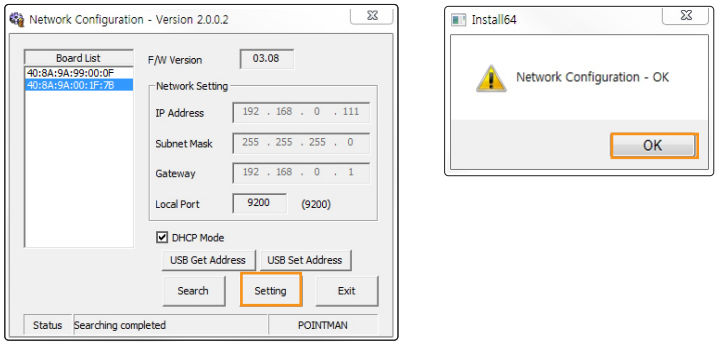
5. Set the Local Port to 9200 (cannot be changed).



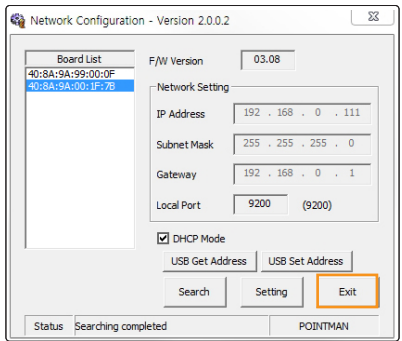
6. Check the DHCP Mode.



7. Click **"Setting"**. This takes about 30 seconds.
When the settings complete, the printer reboots automatically and retrieves a new IP address from the server.



8. Click **"Exit"** to complete the network configuration process.

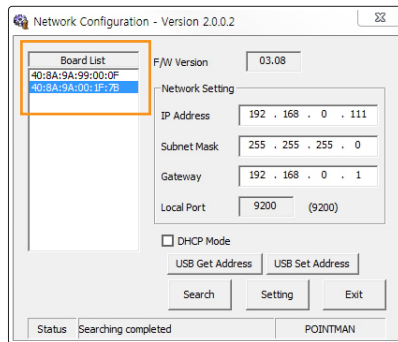


4) Network Setting - Manual

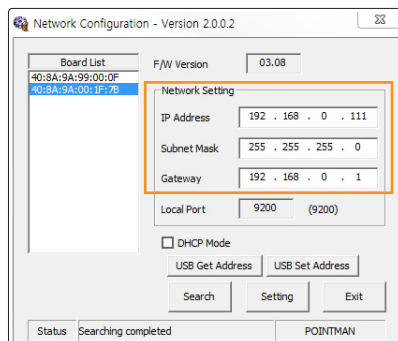
Retrieve the IP Address, Subnet Mask and Gateway to be used by the printer from the network administrator.

1. Go to “**Start → All Programs → POINTMAN → Network**” and click “**OK**” to open the settings window.

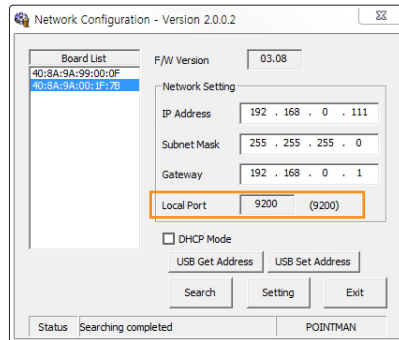
2. Select the MAC address from the Board List.



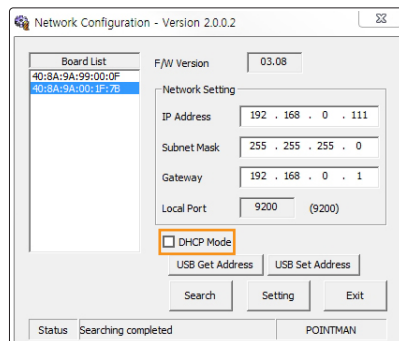
3. Enter IP Address, Subnet Mask and Gateway.



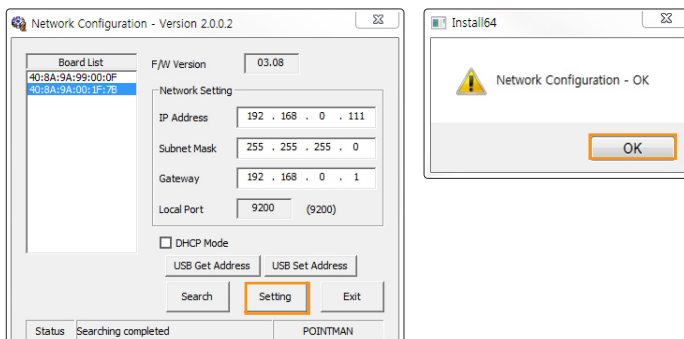
4. Set the Local Port to 9200 (cannot be changed).



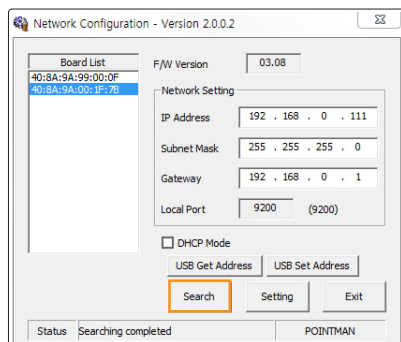
5. Do not check the DHCP Mode. Make sure to leave the box unchecked.



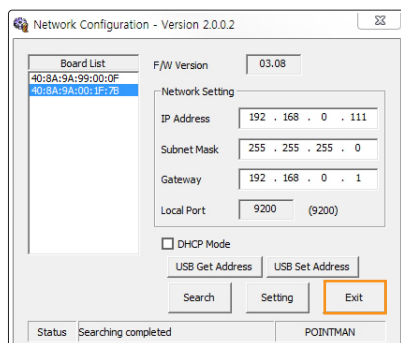
6. Click "Setting". This takes about 30 seconds. When the settings complete, the printer reboots automatically.



7. Click **"Search"** to check the network configuration.

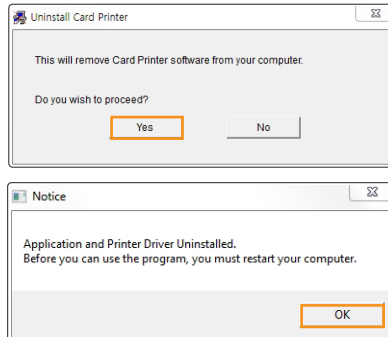


8. Click **"Exit"** to complete the network configuration process.



Uninstall Program

1. Go to Control panel → Uninstall Program → Select “Card Printer” on the list
→ Select “Uninstall” → Select “Yes” → “OK”
(Restart your computer after uninstalling the program)

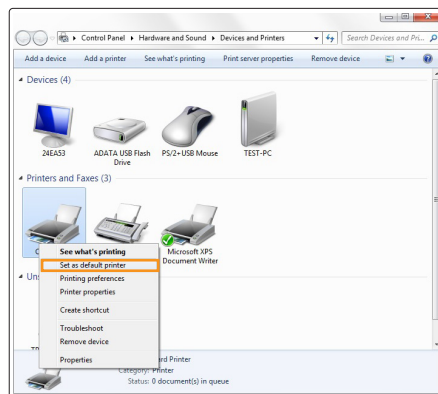


Print Cards

-Set as Default Printer

You can change the printer settings using the functions provided by the printer driver.

1. Go to “Hardware and Sound → Devices and Printers” in the “Control Panel”.
2. Right-click “Card Printer” and select “Set as default printer”.

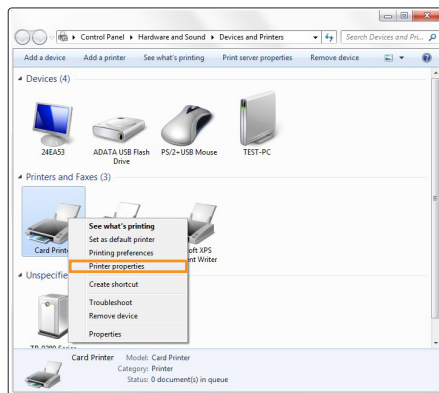


Note

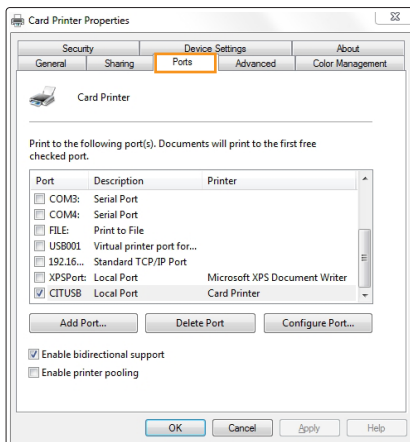
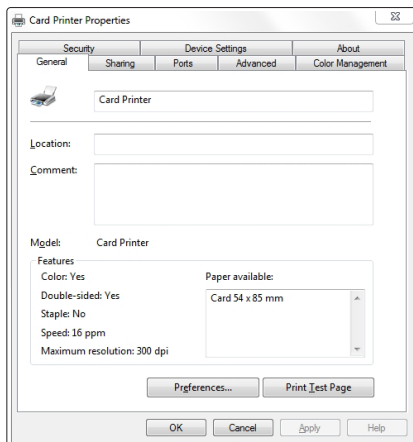
Use this printer settings when there are no other printers connected to your PC.

-Change Printer Port (Using the Printer Driver)

1. Go to “Hardware and Sound → Devices and Printers” in the “Control Panel”.
2. Right-click “Card Printer” and select “Properties (or Printer Properties)”.

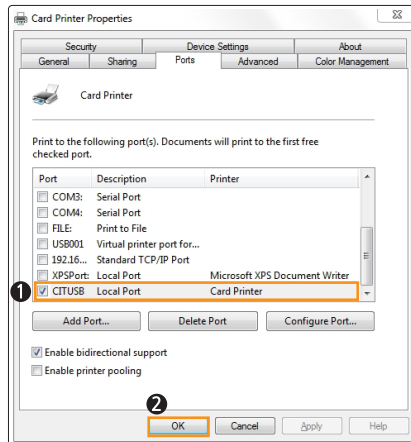


3. Select “Ports (or Advanced)” tab in the “Card Printer Properties”.

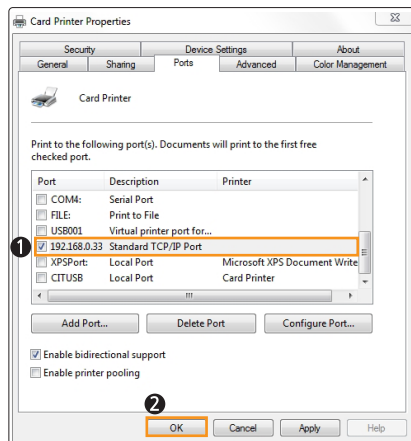


4. Select the port you want to use and click **"OK"**.

USB Port: CITUSB (Local Port)



Network Port: Refer to **"Configure Network Settings"** (P40) and select the port (IP Address) accordingly.



Note

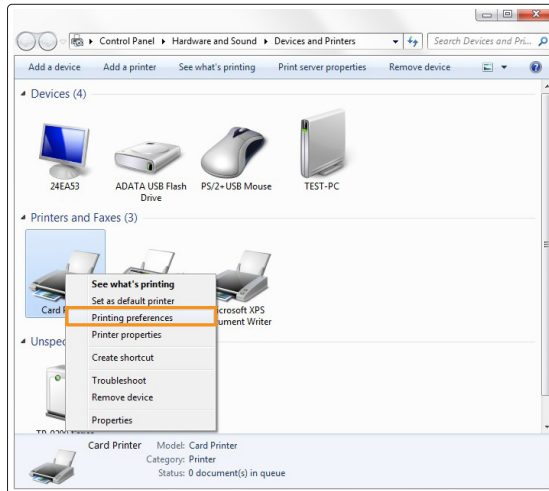
When the driver is installed successfully, **"Two-Way Communication"** will be selected automatically.

If there is any problem printing through the network port, make sure to disable **"Two-Way Communication"**.

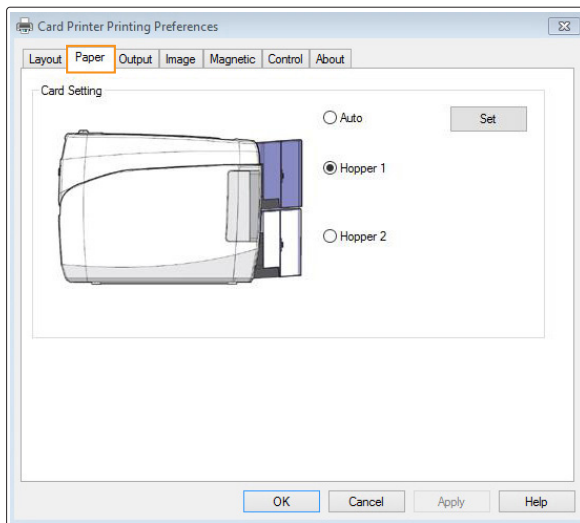
OPTION

-Select Input Hopper in the Printer Settings

1. Go to “Hardware and Sound → Devices and Printers” in the “Control Panel”.
2. Right-click “Card Printer” and select “Printing Preferences”.



3. Go to “Paper” tab.



(Dual Hoppers will be appeared when a dual hopper printer is connected only)

4. Select the Card Source.

If the printer(Nuvia N20 or N30) has two input hoppers, you are able to select the card hopper. Default value is Auto.

Item	Description
Auto	Usually dispensing the card from the upper hopper. If there is no card at the upper hopper, dispensing the card from the lower hopper.
Hopper 1	Only dispensing the card from the upper hopper.
Hopper 2	Only dispensing the card from the lower hopper.

Print Using Application Programs & Configure Driver Settings

-Print Using Application Programs

1. Specify the paper as 53.98mm x 85.60mm to print cards using application programs e.g. Excel, Word.
2. Click **"Print"** in the **"File"** menu to open the print settings. Select **"Card Printer"** in the settings and click **"Print"** or **"OK"** to print.

Make sure that the orientation of the image matches the print settings. You can use the preview option to confirm the print output.



Note

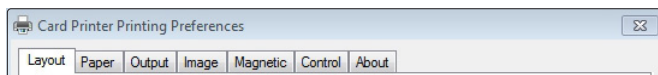
- You can cancel print jobs from either the application program or print spooler.
- If the card is jammed while printing, then press the **"EJECT"** button in the front side of the printer.

-Configure Printer Default Settings in Application Programs

Each time you change the print settings in the application program, it will be reset to the default settings when you exit the program.

Click **"Print"** in the **"File"** menu to open the print settings.

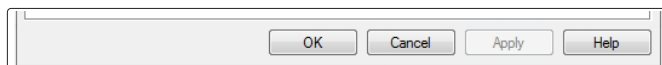
Go to **"Printer Properties → Card Printer Printing Properties"** in the printer section and change the settings in the **"Layout, Paper, Output, Image, Magnetic, Control and About"** tabs. (Click each tab to open the settings.)



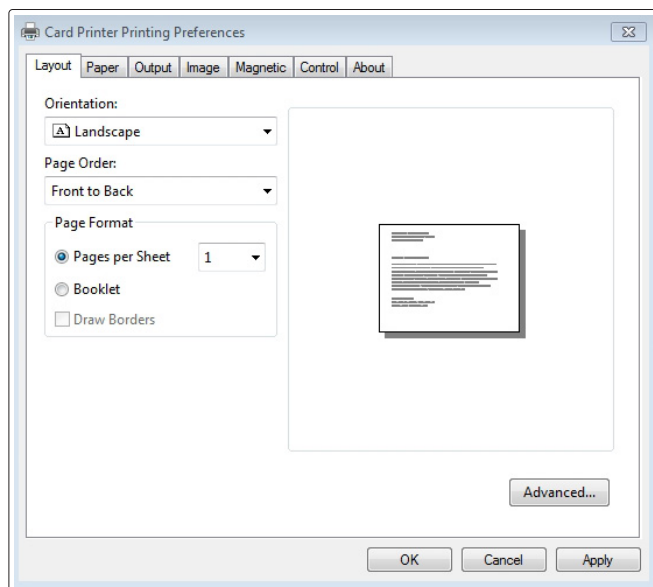
Caution

The card printer does not use the **"Paper/Quality"** tab in the Card Printer Document Properties.

Click **"OK"** to complete the process.

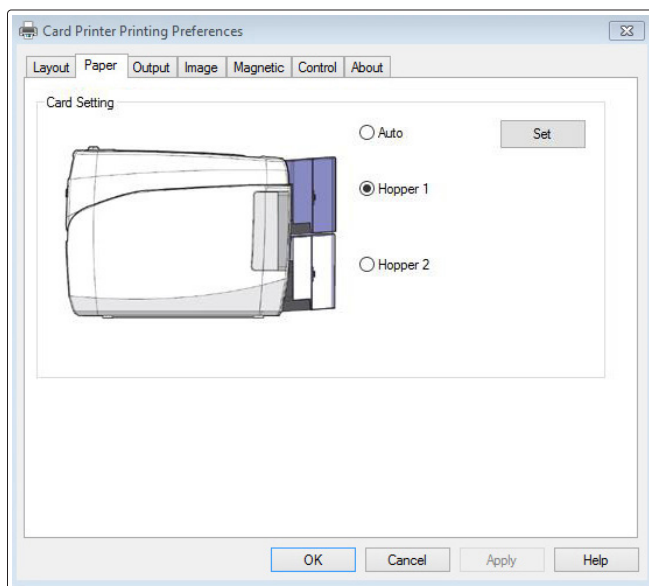


① Layout



Item	Description
Orientation	Sets the card orientation Portrait or Landscape.
Page Order	Sets the page sequence.
Page Format	Not applicable.

② Paper

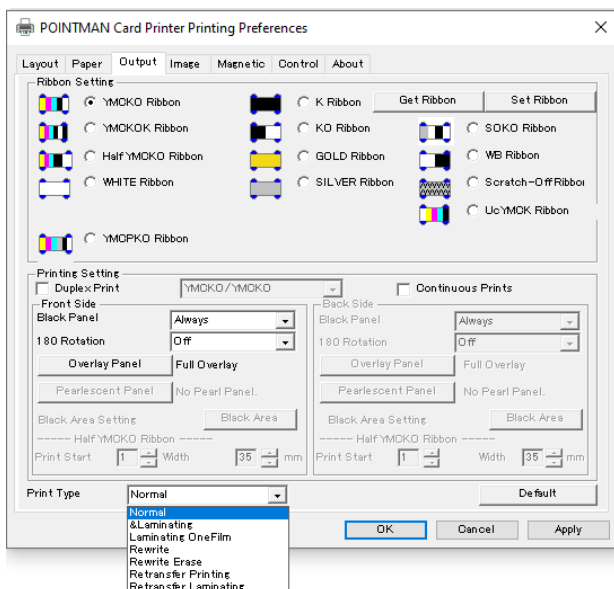


Select the Card Source.

If the printer(Nuvia N20 or N30) has two input hoppers, you are able to select the card hopper. Default value is Auto.

Item	Description
Auto	Usually dispensing the card from the upper hopper. When cards in the upper hopper run out, it starts to feed a card from the lower card hopper automatically.
Hopper 1	Only dispensing the card from the upper hopper.
Hopper 2	Only dispensing the card from the lower hopper.

③ Output



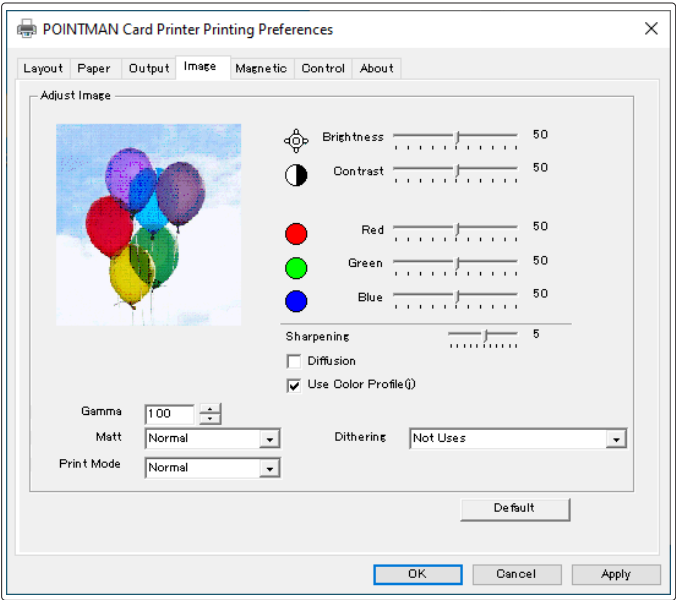
Item		Description
Ribbon Setting		Sets the type of ribbon.
Printer Setting	Duplex Print	Prints on both sides of the card.
	Black Panel	Selects the K panel for printing black text and black & white images included in the document.
	180 Rotation	Rotates the document 180 degrees.
	Overlay Panel	Sets the type of overlay panel for protecting the printed card. -Full Overlay /No Overlay /Selected Area /Use Image File -Smart Card ISO /Smart Card AFNOR /Magnetic Card
Print Type	Normal	Normal Card Printing Mode
	& Laminating	Connect NL200 series card laminator to the printer and can laminate a card after printing.
	Rewrite	Rewrite a card. Please unlock rewrite function before use and remove a ribbon from the printer.
	Rewrite Erase	Can erase a rewritten card. Please unlock rewrite function before use and remove a ribbon from the printer.
	Retransfer Printing	Print using a retransfer card printer
	Retransfer Laminating	Cards can be issued in batches from printing to laminating using a retransfer laminating-linked printer.
Default		When you click the 'Default' button, the settings are initialized to the values shown in the picture above, and when you click the OK button, they are applied.



What is the rewrite function?

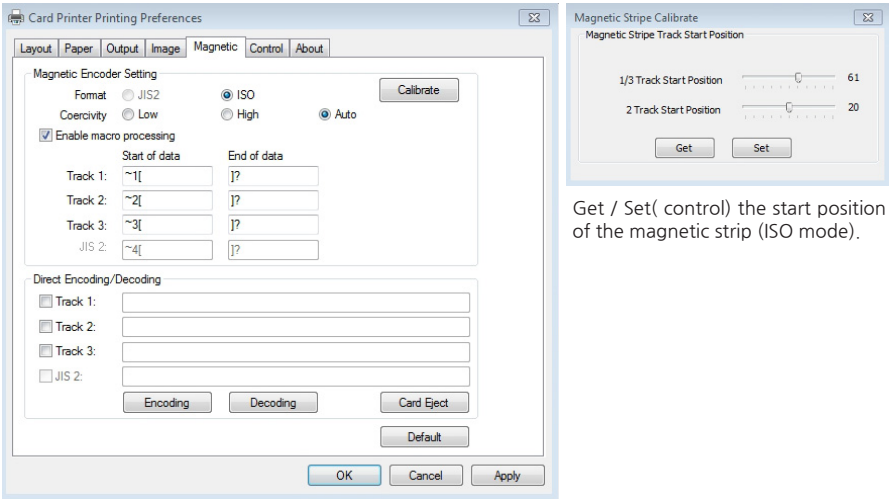
- It is a function that allows card reuse, such as printing or erasing the contents over 500 times in a single color on the surface of a dedicated card.
- In order to use the rewrite function, you need to activate the function by purchasing the optional kit 'Rewrite Key'.

④ Image



Item		Description
Adjust Image	Brightness	Sets the brightness of the printed card.
	Contrast	Sets dark areas as darker and bright areas as brighter.
	Sharpening	Increases the contrast of adjacent pixels to make the image look sharper.. This filter adjusts the contrast of the edge details and creates brighter and darker lines on each plane of the edge, resulting in a sharper image with clearer outlines.
	Diffusion	Mixes the pixels of an image and makes it look blurry. This filter mixes pixels in such a way to minimize the change of colors.
	Use Color Profile	Supports more colors by using the color profile.
	Gamma	Control the lightness of images
	Matt	Set for mono printing on a matte card. Dual Matt : Dual. Front Matt : Front, Back Matt : Back
	Dithering	Apply special effect in processing of digital image. This function is used for gray scale image.
Default	Printing Mode	Standard : Set Standard-quality printing options. High Quality : Set high-quality printing options.
	When the 'Default' button is clicked, the settings are initialized to the values shown in the picture above and applied when the OK button is pressed.	

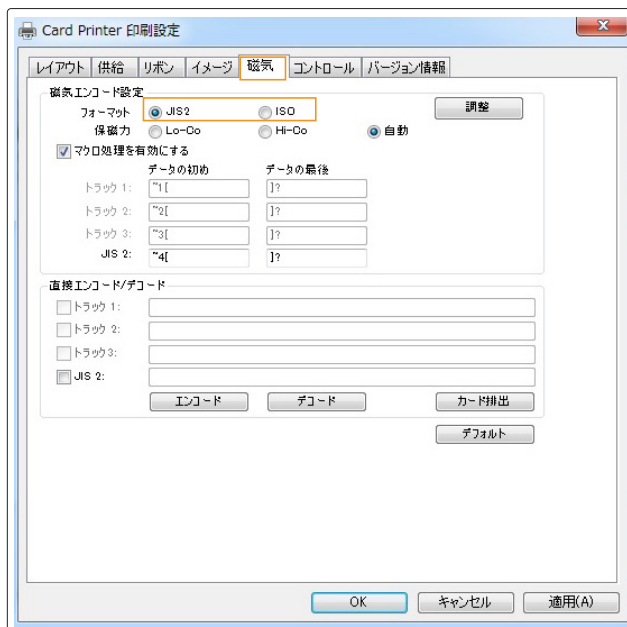
⑤ Magnetic



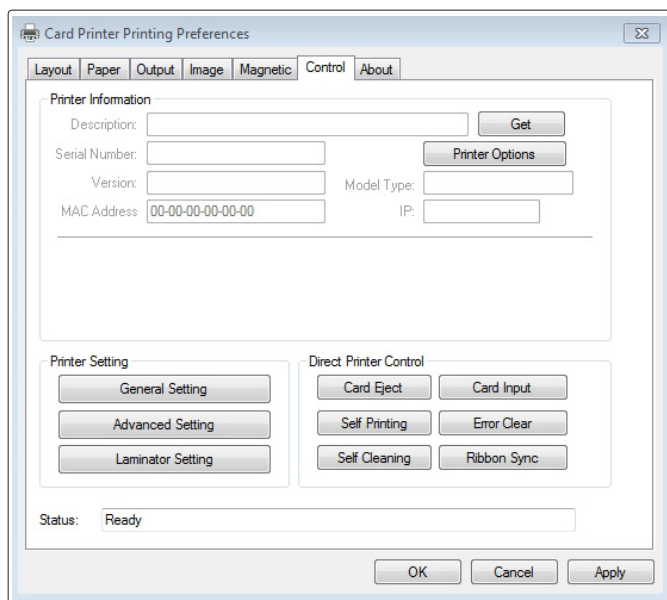
Get / Set(control) the start position of the magnetic strip (ISO mode).

Item		Description
Magnetic Encoder Settings	Format	Sets the encoder format of the magnetic stripe.
	Coercivity	Sets the coercivity type of magnetic stripe.
	Enable macro processing	Sends data to the magnetic stripe. When enabled, it detects the start and end of the encoding data from text format and processes it with Magnetic Stripe Encoding data.
	Magnetic strip Calibrate	Get / Set(control) the start position of the magnetic strip
Direct Encoding /Decoding	Encoding	Writes the data of selected track to the magnetic stripe. Track 1, 2, 3: Inputs the data to write on the magnetic stripe card.
	Decoding	Reads the data of the selected track from the magnetic stripe. Track 1, 2, 3: Displays the data read from the magnetic stripe card.
	Card Eject	Ejects any card inside the printer.
Default		When the ' Default ' button is clicked, the settings are initialized to the values shown in the picture above and applied when the OK button is pressed.

In case of the Japanese window only, JIS2 button is enabled.



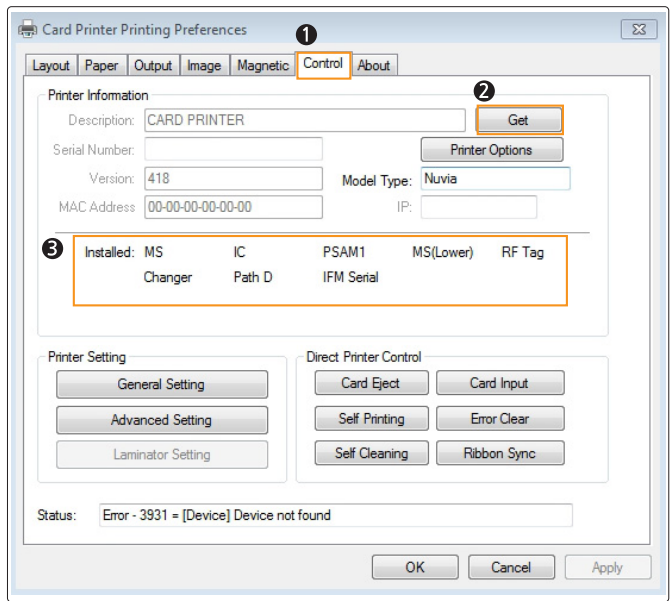
⑥ Control



Item		Description
Printer Information	Get	Retrieves and displays the information from the printer.
Printer Setting	General Setting	Retrieves/changes the printer settings. - Auto Ribbon Sync: No, Yes - Card Ready Position: Eject, Internal - Card Input Ready: External, Internal - Card Input Option: External, Internal - Card Eject Time: 0 - 30 seconds - Card Eject Option - Card Insert Time: 2 - 20 seconds - LCD Contrast - LCD Backlight Mode
	Advanced Setting	Retrieves/changes the printer settings. -TPH Resistance: 2400 ~ 3600 - Card Margin Setting: X-Start, X-End, Y-Offset - Intensity: Color/Mono Ribbon - Ribbon Sensor Value Get/Set
	Laminator Setting	-Laminator F/W version -Film Type -Film Remaining Counts -Pass Mode -Temperature -Start Position -Power Saving Time
Direct Printer Control	Card Eject	Ejects the card inside the printer.
	Card Input	Inserts the card placed in the slot.
	Self Printing	Prints a self-test card.
	Self Cleaning	Initializes the cleaning cycle. Make sure that the cleaning card is available.
	Ribbon Sync	Synchronizes the ribbon. It performs the same function as the "RIBBON SET" button.
	Error Clear	Removes the error status of the printer. This does not solve any errors, but only removes the status so it can process the next command.

(1) Get the information of the installed modules.

“Control” tab → “Get button” at the printer information



Displayed	Installed Module	Descriptions	
MS	MS module	Magnetic stripe encoding /decoding option	
IC	Contact Smart Card option	IC contact module	
Hopper A	Upper Hopper		
Hopper B	Lower Hopper		
IFM Serial	IC Card Interface Module	Serial protocol IC Card interface module installed	
IFM PCSC	IC Card Interface Module	PC/SC compliant IC Card interface module is installed	

Displayed	Installed Module	Descriptions	
Flipper		Enable to print the dual side	
Divert		Enable to eject the card both a input section and output hopper.	
Path D	Not reserved		
Laminator	Laminator module		
Mobile SIM	Mobile SIM slot	Mobile SIM contact module.	
WIFI	WIFI module	Enable to use wireless network.	

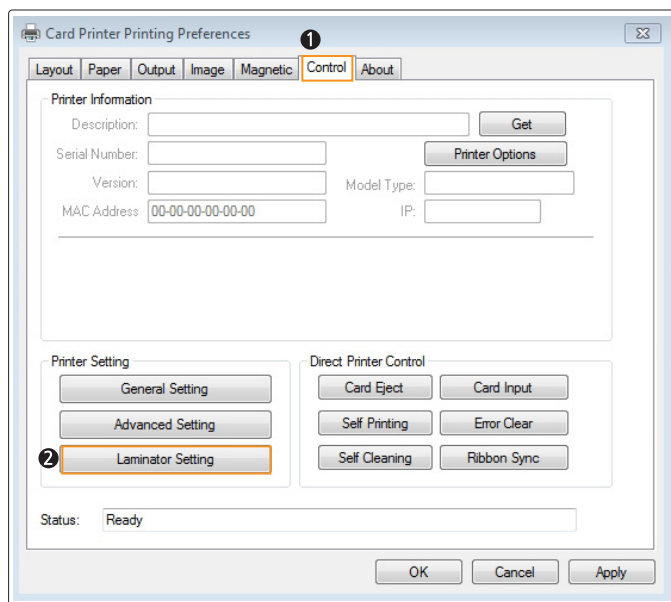


Note

If the product you have purchased includes options, the applicable items will be displayed as shown in the table above.

(2) Configure Laminator

Go to the printer properties → “Control” tab → “Laminator setting” button.



Laminator information Dialog.

Laminator Information

Laminator Information

Version :

Film Type (Upper) :

Film Type (Lower) :

Remaining /

Pass Mode : ☐ Auto ☐ Upper ☐ Lower ☐ Both ☐ By-pass

Temperature : 0 (0~15)

Start Position : 0 (0~25)

Power Saving Time : 0 (0~11)

Get Set

Status:

Item		Description
Version		Display the version of the Laminator's F/W
Mode	Printer → Laminator	The Laminator is connected to the Nuvia.
	PC → Laminator	The Laminator is connected with the PC directly. Standalone type.
Film Type (Upper)		Display the installed film type at the upper cassette.
Film Type (Lower)		Display the installed film type at the lower cassette.
Remaining		Get the remaining counts of the loaded film.
Pass Mode		How to operate the laminator.
Temperature		Set the laminating temperature.
Start Position		Set the start position of laminating.
Power Saving Time		Set the duration of power saving mode.

Printer Options

Printed Card Count: Color Mono

Print Count (Panel)

Remaining Count: Full: Count >= 200
Low: Count < 40
End: Count < 20

Status: Success

Item		Description
Printer Option	Printed Card Count	It shows how many cards are printed on the connected
	Print Count (Panel)	It shows how many panles are printed in the connected
	Remaining count	It shows the level of remaing capacity of the installed ribbon.

⑦ About

POINTMAN Card Printer Printing Preferences

Layout Paper Output Image Magnetic Control **About**



POINTMAN Card Printer

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POINTMAN

Version Information

DLL Version : 6.0.5.2

DRIVER Version : 2.0.3.8

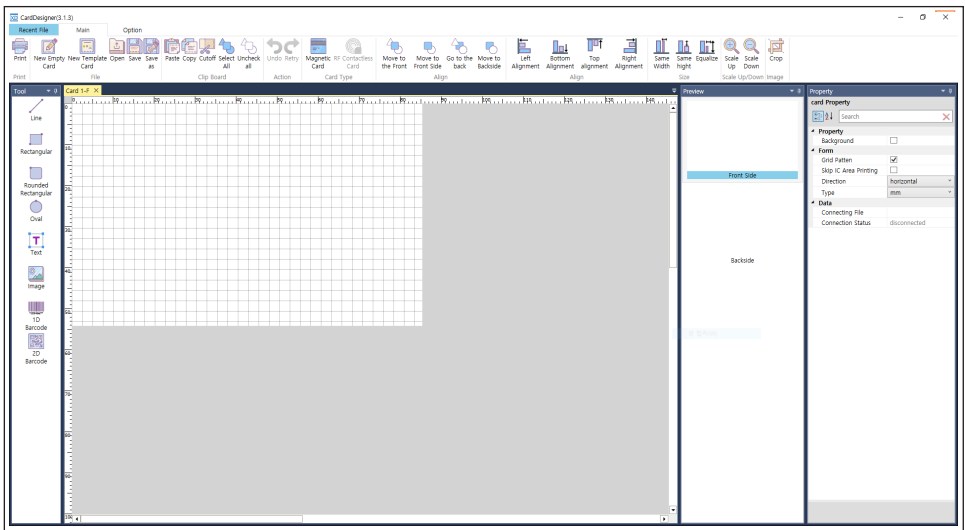
This tab displays the version information.

Open X Designer

Click "Start → All Programs → POINTMAN → Card Designer → Card Designer"

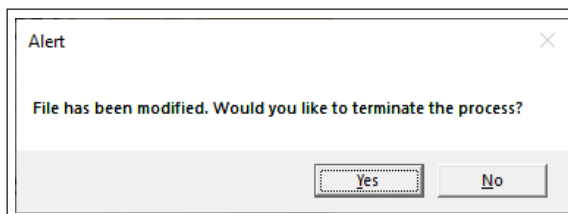
Close X Designer

Click the "X" button in the top right corner to close the program.

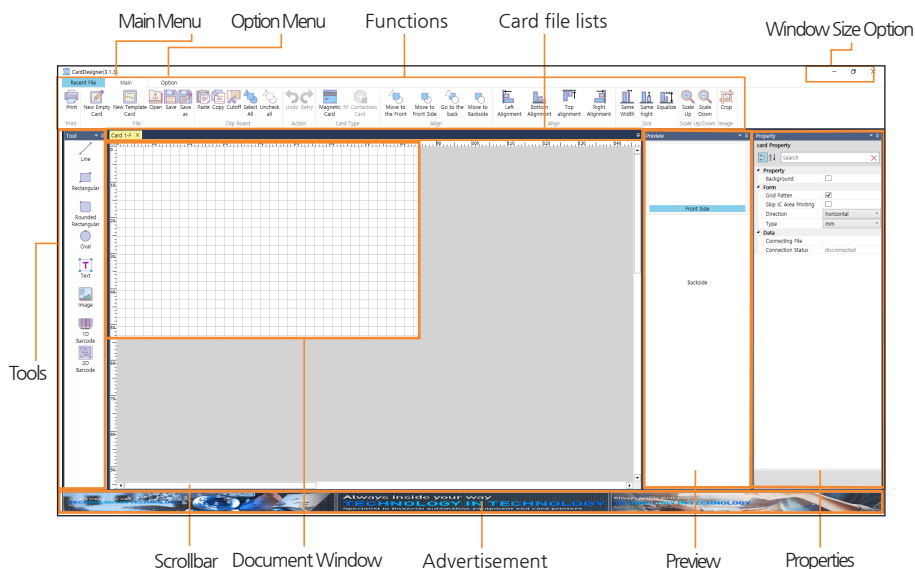


Caution

You will be prompted to save any unsaved work before closing the program.



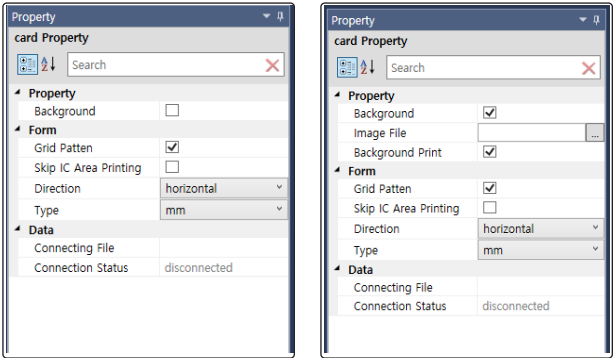
X Designer Menu & Functions



Item	Discription
Main Menu	Consist of the most frequently used editing commands including Edit Object and Create/Edit Image & Text.
Option Menu	Include optional functions for designing cards.
Card file lists	Show the current card file
Tools	Include the most frequently used tools: Select, Text, Image, 1D Barcode, 2D Barcode, Line, Rectangle, Rounded -Rectangle and Circle.
Scrollbar	Appear on the screen when the full document cannot be displayed. You can drag it to navigate the document.
Document Window	Indicate the area where text and images are edited.
Preview	Views the front and backside of the card.
Properties	Change the tool menu option.
Advertisement	Display banner ads that link to the specified web link.

-Card Properties

When clicking on  **New card**,  **"New Template card"**, you can set the properties of a card including direction, unit type, beside IC card position, Background, etc.

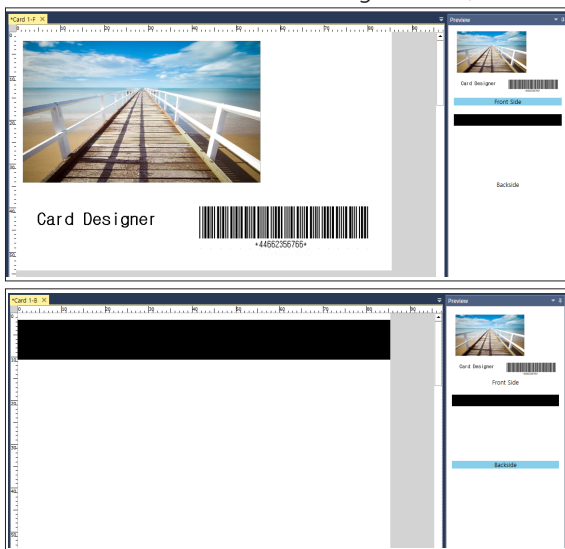


Item		Description
Property	Background	Set or change the background image of a card.
	Background print	Set the background image of card to be printed or not.
Form	Grid	You can turn on/off the grid pattern in the card design document Window.
	Skip IC Area Printing	Set the IC area to be printed or not. When the box is checked, the IC area is shown and the IC area is not printed.
	Direction	Set the orientation of the card (Portrait/Landscape) The default value is Landscape.
	Type	You can change the unit type of length such as Inch, mm, pixel.
Data	Connecting File	Display the location of the connected database.
	Connection status	Display the connection status of the current database.

-Preview

The Preview menu allows the user to view the front and backside of the card in advance.

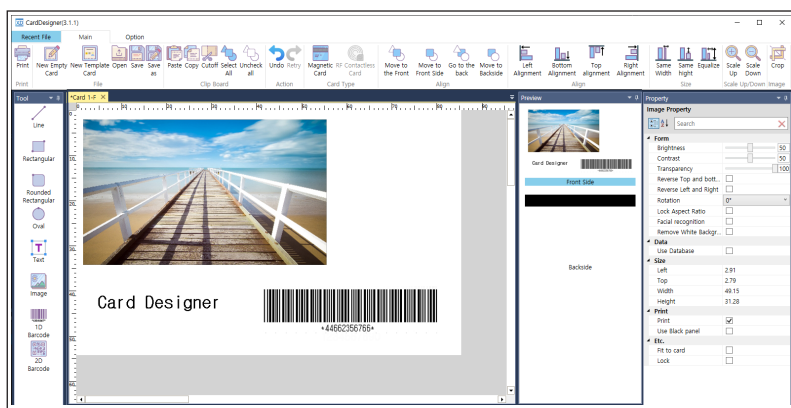
Click on the front or backside of the card to change the side.



-Tool Menu & Properties

The "Tool" menu includes the most frequently used tools in the Card Designer: Select, Text, Image, 1D Barcode, 2D Barcode, Line, Rectangle, Rounded Rectangle, and Circle.

The "Properties" menu changes when a shape is selected, and is used to change various settings of the shape.





① Line

Use this menu to draw a line in the card design document window.



Note

If you want to change the properties of the selected figure, you can change it with various properties through the image properties window on the right.

Item		Description
Form	Style	Change the line shape.
	Color	Change the line color.
	Thickness	Specify line thickness. (1 to 6)
Size	Left	Set the left margin based on the card.
	Top	Set the top margin based on the card.
	Width	Set the width of the shape.
	Height	Set the height of the shape.
Print	Print	Printing is possible only when the checkbox is checked.
	Use Black Panel	Prints in black regardless of the color of the selected shape.
Other	Fit to card	Resize the shape to fit the card size.
	Lock	The position is fixed so that you cannot move,



② Rectangle

Use this menu to draw rectangle in the card design Document Window.



③ Rounded Rectangle

Use this menu to draw rounded rectangle in the card design Document Window.



④ Circle

Use this menu to draw circle in the card design Document Window.

Property ▾

Rectangular Property

Search

Form

- Style: 1
- Color: Black
- Thickness: 1
- Fill: ☐
- Font: Arial Narrow(10)
- Font Color: Black
- Alignment: 1. Left side

Data

- Use Database: ☐

Size

- Left: 9.47
- Top: 6.6
- Width: 25.89
- Height: 23.15

Print

- Print: ☒
- Use Black panel: ☐

Etc.

- Fit to card: ☐
- Lock: ☐

Property ▾

Rounded Rectangular...

Search

Form

- Style: 1
- Color: Black
- Thickness: 1
- Fill: ☐
- Font: Arial Narrow(10)
- Font Color: Black
- Alignment: 1. Left side

Data

- Use Database: ☐

Size

- Left: 38.6
- Top: 6.24
- Width: 41.12
- Height: 23.03

Print

- Print: ☒
- Use Black panel: ☐

Etc.

- Fit to card: ☐
- Lock: ☐

Property ▾

Oval Property

Search

Form

- Style: 1
- Color: Black
- Thickness: 1
- Fill: ☐
- Font: Arial Narrow(10)
- Font Color: Black
- Alignment: 1. Left side

Data

- Use Database: ☐

Size

- Left: 9.95
- Top: 33.36
- Width: 41.12
- Height: 17.64

Print

- Print: ☒
- Use Black panel: ☐

Etc.

- Fit to card: ☐
- Lock: ☐

Item		Description
Form	Style	Change the line shape.
	Line color	Change the line color.
	Thickness	Specify line thickness. (1 to 6)
	Fill	You can specify the background color of the shape.
	Font	Click the "... " button to go to the font window. You can change the font, size, and font style through the font window.
	Text color	Change the color of the text in the figure.
	Range	Text box can be left-aligned, right-aligned and center-aligned.
Data base	UseDatabase	Interlock with the database menu.
Size	Left	Set the left margin based on the card.
	Top	Set the Top margin based on the card.
	Width	Set the Width margin based on the card.
	Height	Set the height margin based on the card.

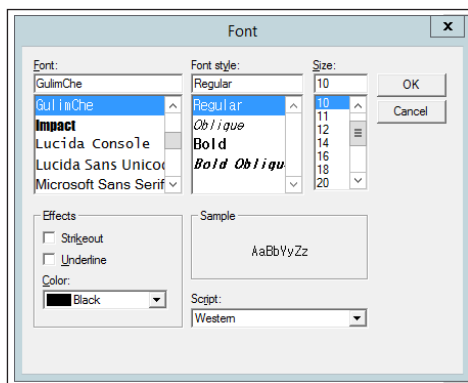
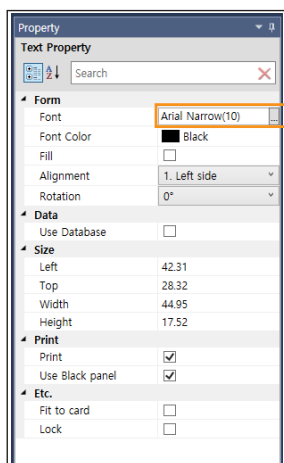
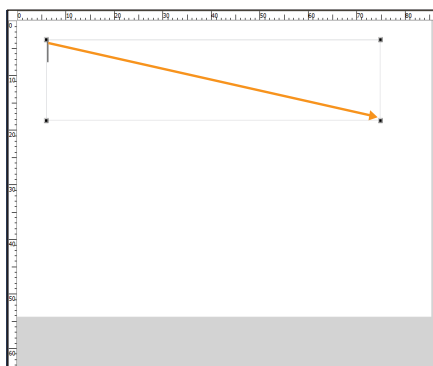
Item		Description
Print	Print	Printing is possible only when the checkbox is checked.
	Use Black Panel	Print in black regardless of the color of the selected shape.
Other	Fit to card	Resize the shape to fit the card size.
	Lock	The position is fixed so that you cannot move,



⑤ Text

Use this menu to enter text in the Document Window.

Left-click and drag the mouse cursor to set the area where you want to enter text.



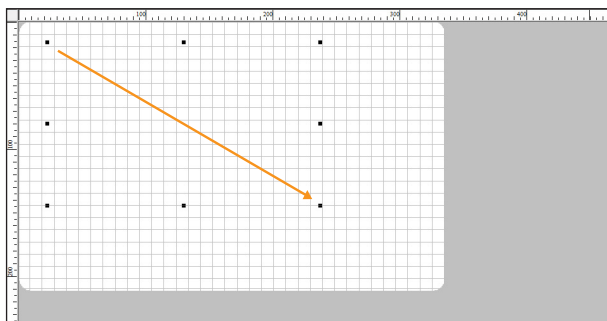
	Item	Description
Form	Font	Click the "..." button to go to the font window. You can change the font, size, and font style through the front window.
	Text color	Change the text color in the figure.
	Fill	You can specify the background color of the shape.
	Range	Text box can be left-aligned, right-aligned and center-aligned.
	Rotate	Rotate the shape to 0,90,180,270 degrees.
Database	Database	Interlock with the database menu.
Size	Left	Set the left margin based on the card.
	Top	Set the Top margin based on the card.
	Width	Set the Width margin based on the card.
	height	Set the height margin based on the card.
Print	Print	Printing is possible only when the checkbox is checked.
	Use Black Panel	Print in black regardless of the color of the selected shape.
Other	Fit to card	Resize the shape to fit the card size.
	Lock	The position is fixed so that you cannot move,

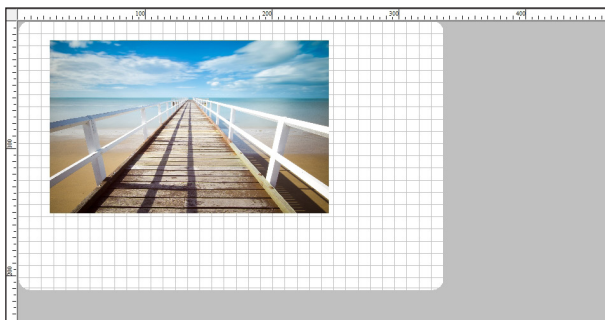
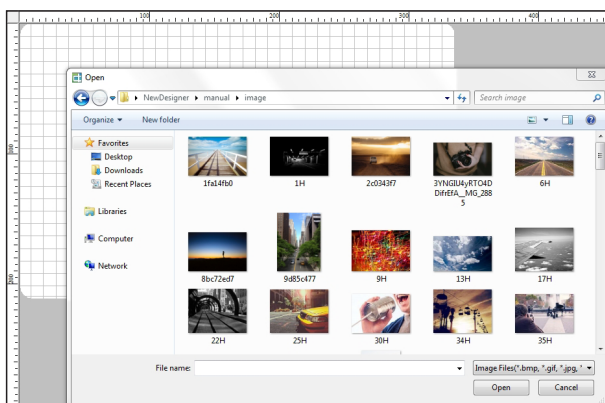


⑥ Image

Add an image to the card design Document Window.

Left click and drag the area where the image will be placed to set the area and load the image.

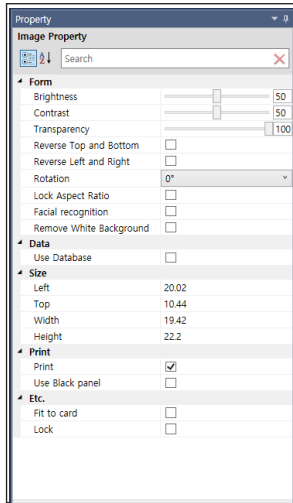




Note

You can use the green dot at the top right of the image to create a curve on the outside. The more you drag the center to the center while holding the green dot, the rounder the circle.





If you want to change the properties of the selected image, you can change it to various properties through the right image properties window.

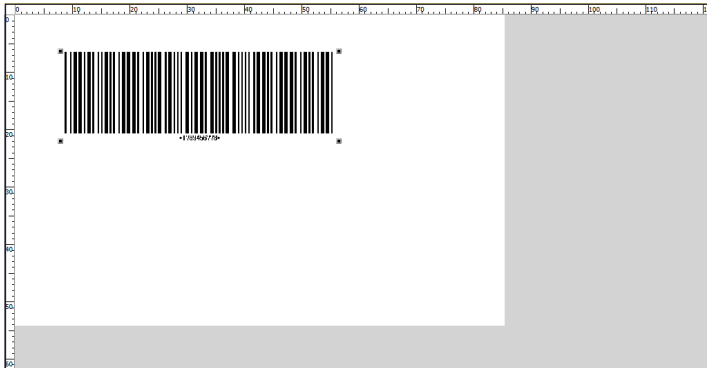
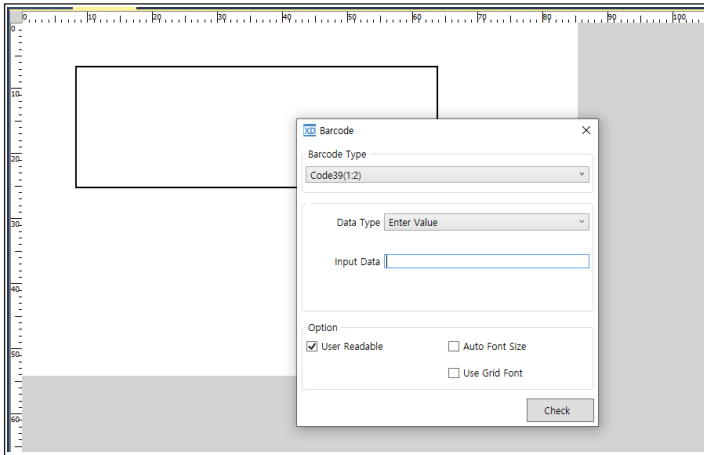
	Item	Description
Form	Brightness	Adjust the brightness of the image (0 to 100, default 50)
	Contrast	Adjust the contrast of the image (0 to 100, default 50)
	Transparency	Adjust the transparency of the image (0 to 100, default 100)
	Reverse Top and Bottom	Reverse the top and bottom of the image.
	Reverse Left and Right	Reverse the left and right of the image.
	Rotation	Rotate the image by 0°, 90°, 180°, or 270° within the image box area.
	Lock Aspect Ratio	Maintain the proportions of the original image. Some parts of the editing process, such as resizing, may be cut off.
	Facial recognition	Only the part of the face of the image is recognized and enlarged.
	Remove white background	Make the white background to be transparent.
Database	Use Database	Interlock with the database menu.
Size	Left	Set the left margin based on the card.
	Top	Set the Top margin based on the card.
	Width	Set the Width margin based on the card.
	height	Set the height margin based on the card.
Print	Print	Printing is possible only when the checkbox is checked.
	Use Black Panel	Print in black regardless of the color of the selected shape.
Other	Fit to card	Resize the shape to fit the card size.
	Lock	The position is fixed so that you cannot move, resize, etc.



⑦ 1D Barcode

Insert 1D barcode into the Document Window.

Set the area by holding down the left mouse button and dragging the area where the 1D barcode will be placed, and load the 1D barcode.



You can change the barcode properties from the “**Properties**” window located on the right side of the screen.

Property

Barcode Property

Search

Form

Show Code ☒

Auto Font Size ☐

Rotation 0°

Use Check Text ☐

Barcode type 1D_BAR_CODE39_12

Dimension 1D Barcode

Data

Use Database ☐

Size

Left 8.27

Top 6.72

Width 55.26

Height 18.48

Print

Print ☒

Etc.

Fit to card ☐

Lock ☐

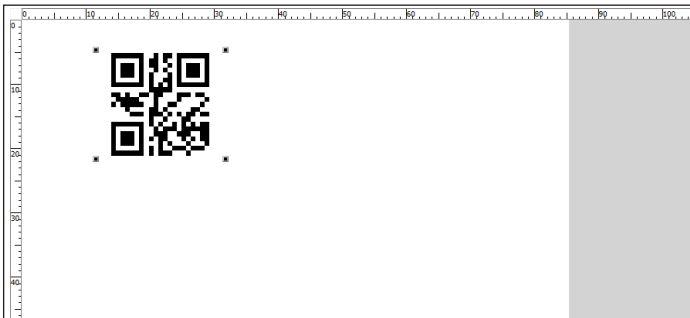
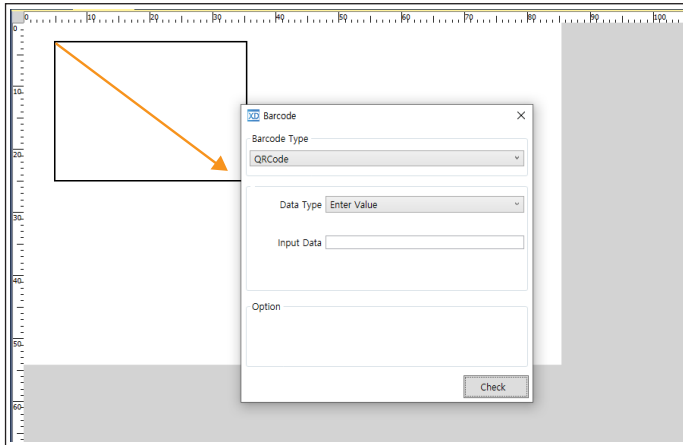
	Item	Description
Form	Show Code	Check the box to display the barcode value.
	Auto Font size	Adjust the text size of the barcode in properties to the barcode box, regardless of the font data
	Rotation	You can rotate the barcode 0°, 90°, 180°, 270°
	Use Check Text	Check the box to add barcode check text.
	Barcode type	Change the type of the 1D barcode.
	Demension	Display type of barcode (1D barcode or 2D QR Code)
Database	Use Database	Linked to the database menu.
Size	Left	Adjust the margin at the left side
	Top	Adjust the margin at the upper side
	Width	Adjust width of barcode.
	Height	Adjust height of barcode.
Print	Print	Check the box to print.
Other	Fit to card	Resize the image to fit to card.
	Lock	Fix the location and size of item.



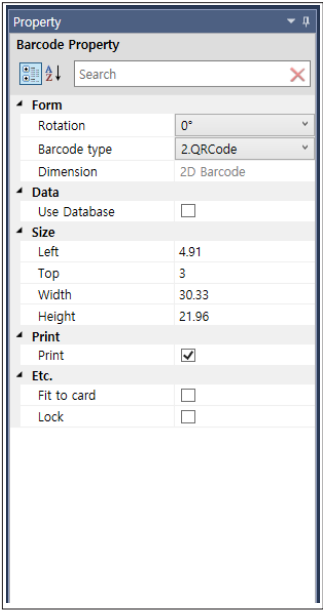
⑧ 2D Barcode

Inserts 2D barcode in the Document Window.

Left-click and drag the mouse cursor to set the area where you want to place the 2D barcode and open it.



You can change the barcode properties from the **"Properties"** window located on the right side of the screen.



Property

Barcode Property

Search

Form

Rotation 0°

Barcode type 2.QRCode

Dimension 2D Barcode

Data

Use Database ☐

Size

Left 4.91

Top 3

Width 30.33

Height 21.96

Print

Print ☒

Etc.

Fit to card ☐

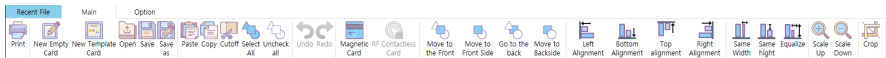
Lock ☐

Item		Description
Form	Rotation	You can rotate the barcode 0°, 90°, 180°, 270° degree.
	Barcode type	You can change the type of 2D barcode (QR Code)
	Demension	Display type of barcode (1D barcode or 2D QR Code)
Database	Use Database	Linked to the database menu.
Size	Left	Adjust the margin at the left side.
	Top	Adjust the margin at the upper side.
	Width	Adjust width of barcode.
	Height	Adjust Height of barcode.
Print	Print	Check the box to print.
Other	Fit to card	Check the box to print.
	Lock	Fix the location and size of item.

-Main Menu

Click on **"Main"** tab to open the tool bar.

The main menu includes commonly used tools, which allows the user to edit objects and create/edit text when designing a card.



① Print

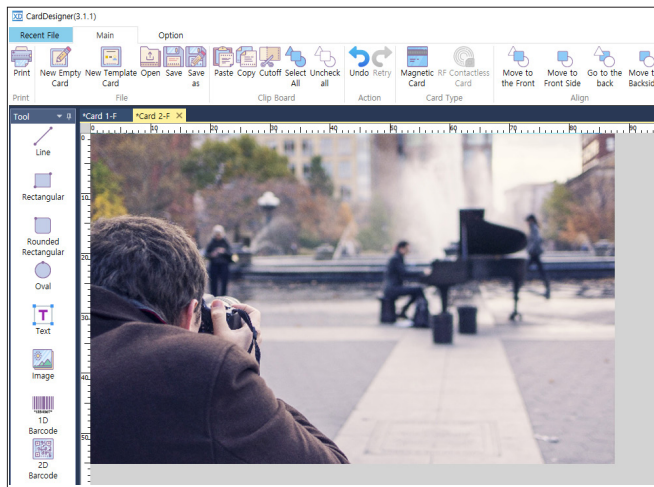


1) Print

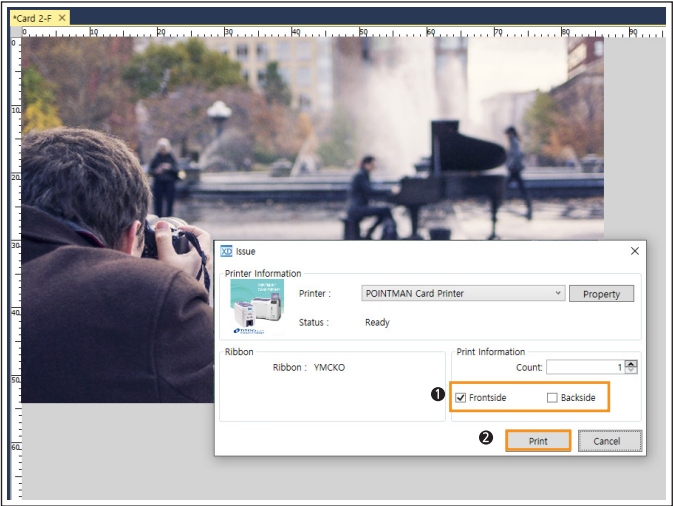
Print the card the user designed.

[1] Print Cards from the Default Input Hopper

1. When you finish designing a card, click  'Print' button to print it.



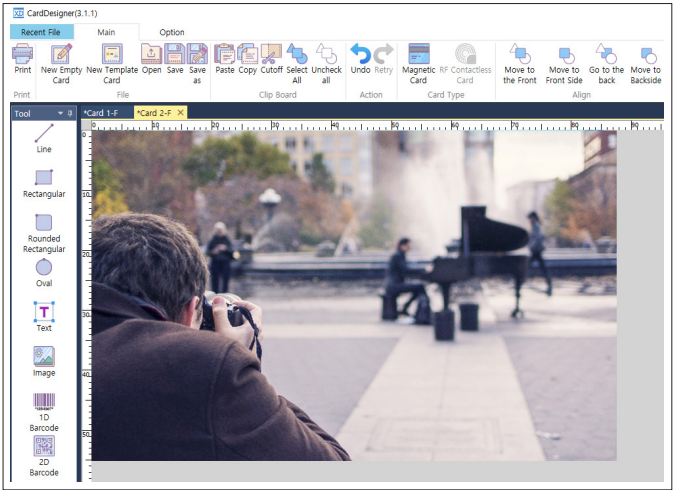
2. Set the number of copies and the front/backside of the card and click “OK”.



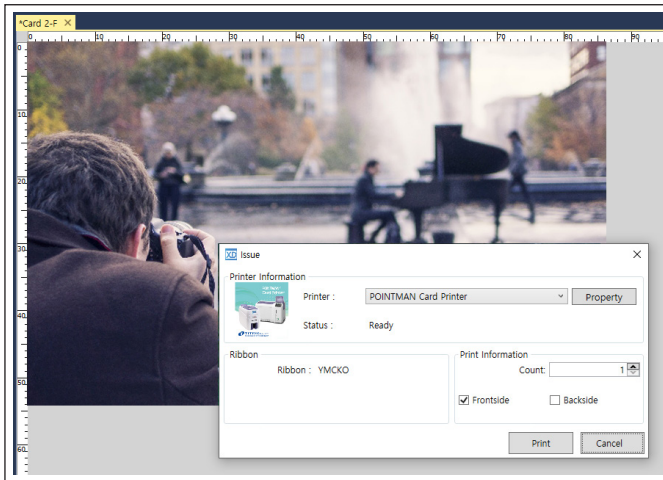
[2] Issue Cards from Upper/Lower Input Hopper

Use the following steps to select the input hopper when printing with the NUVIA N20/N30 (Dual input hopper printer).

1. When you complete designing a card, click  “Print” button to print it.



2. Click 'Setting' to open 'Card Printer Printing Preferences'.



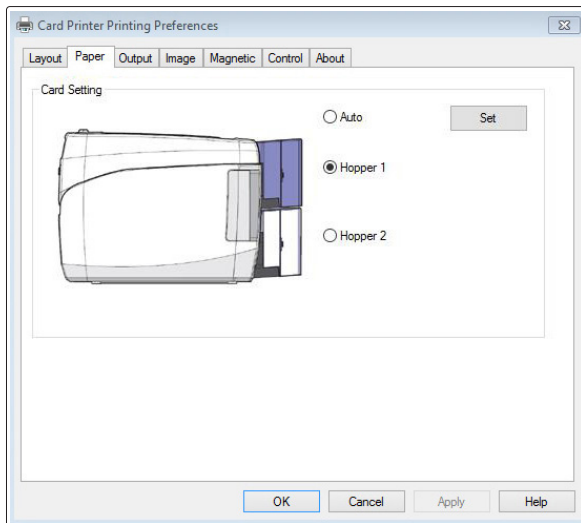
3. Go to "Card Printer Printing Preferences"->"Paper/Quality" tab and you can select the upper/lower Input Hopper.

Auto: Select card input hopper automatically.

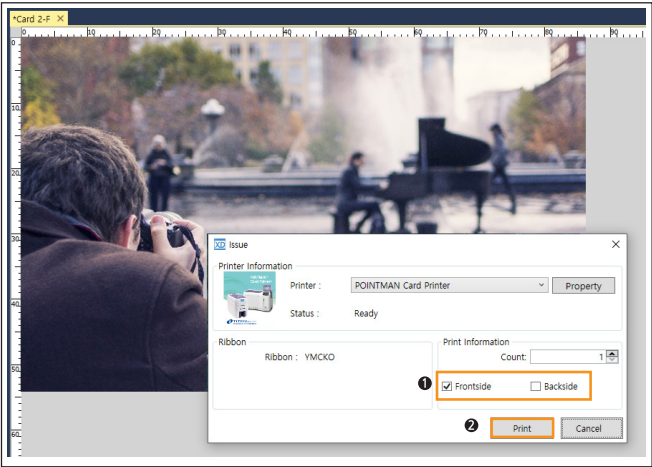
Upper hopper: Issue the cards from upper input hopper.

Lower hopper: Issue the cards from lower input hopper.

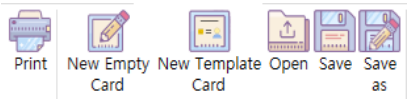
Click 'OK' button to close "Card Printer Printing Preferences".



4. Then select number of copies and check “Front” and “Back” to select side to print and click “OK”.



② File



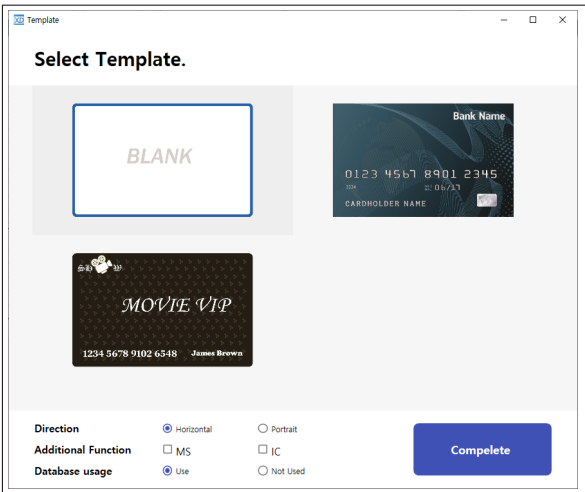
1) New Empty Card

Click the button to start card design on empty background. Create an empty card, when users design new cards.



2) New Template Card

Click the button to start card design with design templates.



Item	Description
Direction	Set the orientation of the card (Portrait/Landscape). The default value is Landscape.
Additional Function	You can set the type of card (IC Contact /Mag.Stripe)
Template	You can select template according to selected
Preview	Display the example of card following selected template options



3) Open

Open a saved card design.



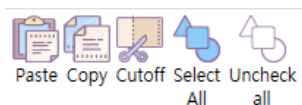
4) Save

Save the card design that the user has created.



5) Save as

Save the card design with a different file name.



③ Clip Board

Create or delete new objects by using Copy, Cut, Paste, Select All and Unselect All.



1) Paste

Paste image or text into Document window.
(The button is activated when using the Copy/Cut function.)



2)Copy

Copy image or text in the Document Window.
(The button is activated when objects are selected in the



3) Cut

Cut image or text in the Document window.
(The button is activated when objects are selected in the Document Window)



4) Select All

Select all image and text in the Document Window.



5) Unselect All

Unselect all selected image and text in the Document Window



④ Action



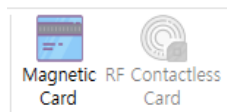
1) Undo

It erases the last change done to the document, reverting to a previous state.
(This button is activated when the makes action in Document



2) Redo

It recovers the last canceled action by “Undo”, and revert to previous state.
(This button is activated when the user used “Undo”.)

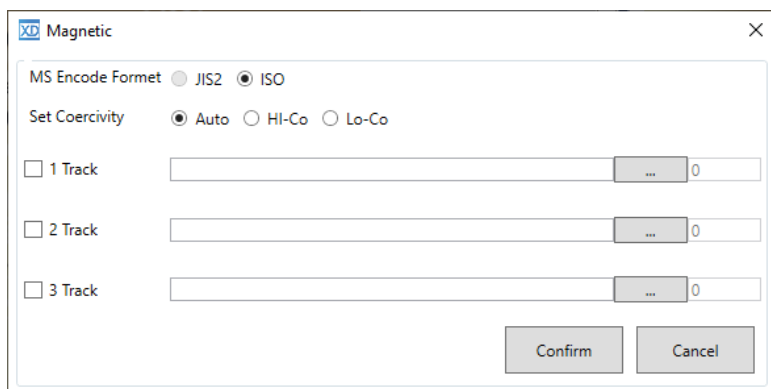


⑤ Card Type



1) Magnetic Stripe Card

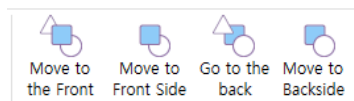
Click Mag.Stripe Card button to display Magnetic area on the backside of the card.
Double-click the magnetic area on the backside to open the “Magnetic Properties” window and enter the encoding data on each track.



2) RF Contactless Card

You can check communication detail of IC Contact and RF Contactless card

⑥ Position



Change the position of object in the Document Window



1) Move to the Front

Move the object to the front of the stack.



2) Move to Front side

Move the object forward by one layer



3) Move to the Back

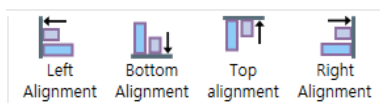
Move the object to the back of the stack.



4) Move to Backside

Move the object backward by one layer.

⑦ Alignment



Align the multiple object positions during card design on the Document Window.



1) Left Alignment

Align multiple objects to the left side.



2) Bottom Alignment

Align multiple objects to the bottom side.



3) Top Alignment

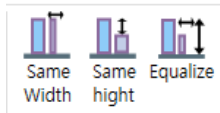
Align multiple objects to the top side.



4) Right Alignment

Align multiple objects to the right side.

⑧ Size



1) Same width

Resize multiple objects to the same width.



2) Same height

Resize multiple objects to the same height.



3) Same all

Resize multiple objects to the same width and height.

⑨ Zoom In/Out



1) Zoom In

Zoom in the Document Window.



2) Zoom Out

Zoom out the Document Window.

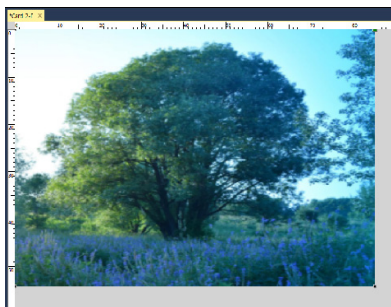
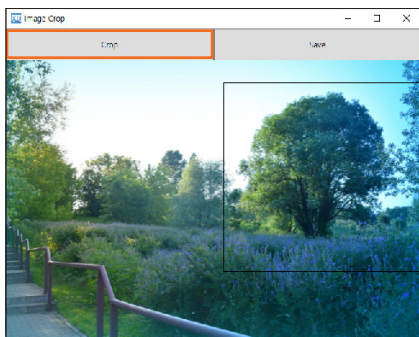
⑩ Crop



1) Crop

You can cut a part of the image which you want to edit.

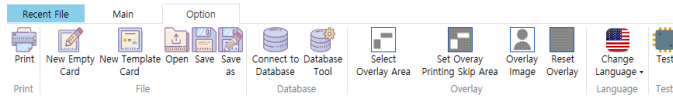
Click **"Crop"** to open a pop-up  **"Crop"** in the top left corner of the Option tab. Then, left-click and drag the mouse cursor to set the area you want to edit. When it is done, click **"Save"** in the pop-up window.



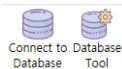
-Option Menu

Option Click "Option" to open the toolbar.

It includes additional functions for designing cards.



① Database



1) Database connect

Database connection is a system that issues cards in conjunction with Microsoft Excel, Worksheet, Microsoft Access files or MYSQL, MSSQL, ORACLE databases. The use of a data connection system can save time on repetitive card creation.

[1] Design Card by Connecting to Database

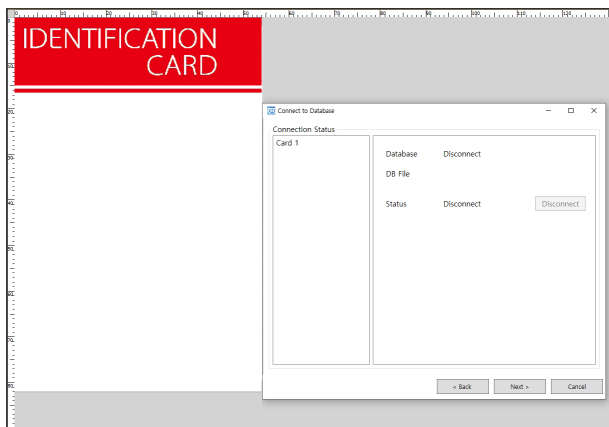
(1) Connect Data created in external program

1. Use Microsoft Excel, Worksheet, or Microsoft Access to create card design data or prepare MYSQL, MSSQL, oracle servers containing data.

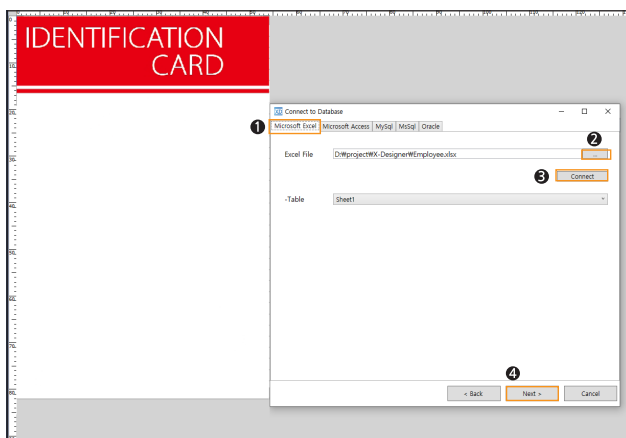
For Microsoft Excel files, remove any 'Column A and row A1' margins. If there are any margins, it will be indicated as A1, A2, A3, etc. instead of the item name when connecting to the database.

	A	B	C	D	E	F	G
1	Picture	Name	Department	Joined	Designation	Employee Number	
2	A_1.jpg	James	Sales Team	2020-07-01	General Manager	19951857	
3	A_2.jpg	John	Institute of Technology	2020-05-23	Deputy General Manager	19951925	
4	A_3.jpg	Brown	Management department	2019-07-11	Deputy General Manager	19951234	
5	A_4.jpg	Kevin	Production department	2019-01-02	Manager	19957531	
6	A_5.jpg	Frank	Management department	2020-04-22	Manager	19957215	
7	A_6.jpg	Dennis	Production department	2018-02-03	Manager	19957205	
8	A_7.jpg	Grace	Institute of Technology	2020-07-01	Assistant Manager	19959234	
9	A_8.jpg	Nancy	Management department	2020-07-01	Assistant Manager	19953486	
10	A_9.jpg	Athur	Sales Team	2020-07-01	Assistant Manager	19950024	
11	A_10.jpg	William	Institute of Technology	2020-07-01	Staff	19959500	
12	A_11.jpg	Sally	Management department	2020-07-01	Staff	19959501	
13	A_12.jpg	Andrew	Production department	2020-07-01	Staff	19959502	
14	A_13.jpg	Diane	Management department	2020-07-01	Staff	19959503	
15							
16							

2. Option Tab -  Select the card file to be linked from the card file list and click 'Next'.



3. (When using Microsoft Access / Microsoft Excel) After selecting the desired file through the '.....' button, click 'Connect' to load the external data, select the sheet to synchronize from the sheet list, and click 'Next'. The "Next" button is activated when the database is connected.



3-1. (When using MYSQL / MSSQL)After entering the IP and ID/PW of the database to connect to, click '**Connect**' to get the database information, select the database to use, and click 'Connect' to get the table information. After that, select the table to be used and whether to save the connection information and click '**Next**'.

The "**Next**" button is activated when the database is connected.



Warning

-Saving connection information when saving the card file, the database information is also saved and it is convenient to share the card file. However, if there is a card file, anyone can access the database, making it vulnerable to security

-The IP/ID/PW of the database is encrypted and stored.

Microsoft Excel Microsoft Access MySQL MsSql Oracle

IP Address 127.0.0.1

User ID Pointman User PW [Masked]

Connect

Database master Connect

-Table Employee

☐ Saving connection information

If you save the connection information of the database, you may be vulnerable to external access.

< Back Next > Cancel

3-2. (When using ORACLE)After entering the IP and ID/PW of the database to be accessed, click '**Connect**' to get the table information associated with the account, select the table to be used and whether to save the connection information, and then click '**Next**'.

The “**Next**” button is activated when the database is connected.



Warning

-Saving connection information when saving the card file, the database information is also saved and it is convenient to share the card file. However, if there is a card file, anyone can access the database, making it vulnerable to security

-The IP/ID/PW of the database is encrypted and stored

4. Make sure that the data is connected correctly through "Preview", and click "Next" to proceed.



Note

Image folder button: Specify the folder in which images to be linked are stored.

Ex) If there are all image data to be linked in the designated folder, it is possible to easily link by simply entering 'image file name and extension name' without having to enter the path where the image is saved in the EXCEL file. Image Folder: The image from the database specifies the save folder.

Picture	Name	Department	Position	Pressure of business
A.1.jpg	James	Sales Team	General Manager	19951857
A.2.jpg	John	Institute of Technology	Deputy General Manager	19951925
A.3.jpg	Brown	Management department	Deputy General Manager	19951234
A.4.jpg	Kevin	Production department	Manager	19957511
A.5.jpg	Frank	Management department	Manager	19957215
A.6.jpg	Dennis	Production department	Manager	19957205
A.7.jpg	Grace	Institute of Technology	Assistant Manager	19959234
A.8.jpg	Nancy	Management department	Assistant Manager	19953486
A.9.jpg	Athur	Sales Team	Assistant Manager	19950204
A.10.jpg	William	Institute of Technology	Staff	19959500
A.11.jpg	Sally	Management department	Staff	19959501
A.12.jpg	Andrew	Production department	Staff	19959502
A.13.jpg	Diana	Management department	Staff	19959503

☒ Image File Folder
D:\project\CHX-Designer\WinImage

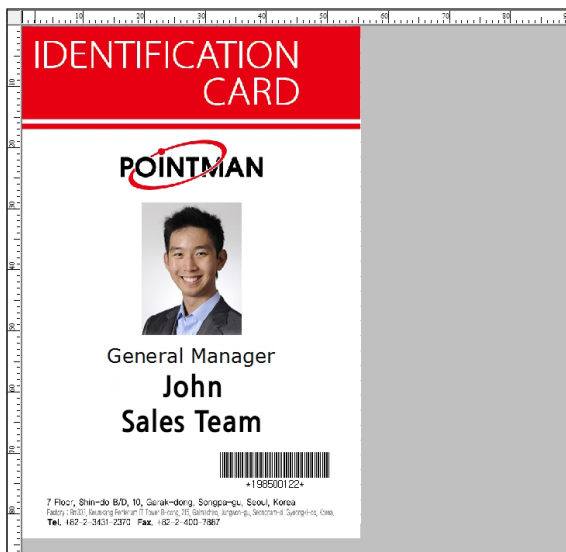
< Back Complete Cancel

Picture	Name	Department	Position	Pressure of business
A.1.jpg	James	Sales Team	General Manager	19951857
A.2.jpg	John	Institute of Technology	Deputy General Manager	19951925
A.3.jpg	Brown	Management department	Deputy General Manager	19951234
A.4.jpg	Kevin	Production department	Manager	19957511
A.5.jpg	Frank	Management department	Manager	19957215
A.6.jpg	Dennis	Production department	Manager	19957205
A.7.jpg	Grace	Institute of Technology	Assistant Manager	19959234
A.8.jpg	Nancy	Management department	Assistant Manager	19953486
A.9.jpg	Athur	Sales Team	Assistant Manager	19950204
A.10.jpg	William	Institute of Technology	Staff	19959500
A.11.jpg	Sally	Management department	Staff	19959501
A.12.jpg	Andrew	Production department	Staff	19959502
A.13.jpg	Diana	Management department	Staff	19959503

☒ Image File Folder
D:\project\CHX-Designer\WinImage

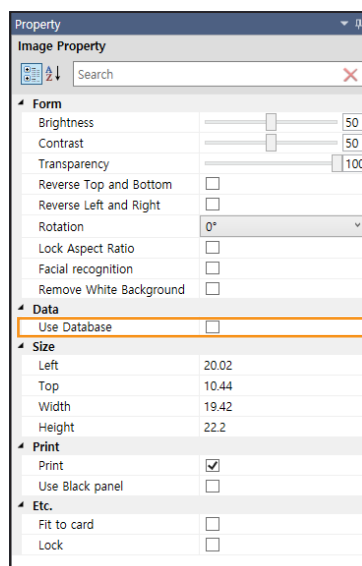
< Back Complete Cancel

5. Create a card design format you want to connect to the database using the “Tools” and “Main Menu” in X Designer.

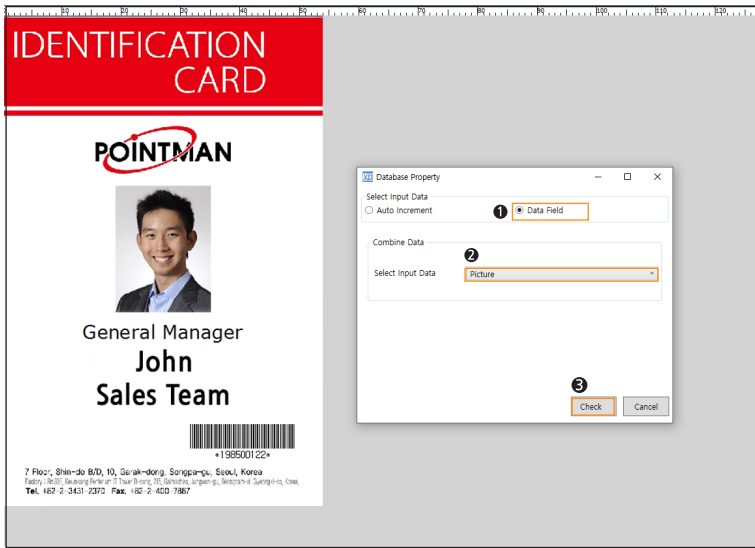


(2) Connect to Database (Image)

1. Click the photo and select “Properties”, and then check the “Use database” box to connect the photo to the database.



2. When the "Select the input data" window pops up, "Select the input data → Data field" Then, select "input data → Text to connect the contents→ Complete".



3. When the photo is connected to the database, the photo section will be replaced by the "DB" image.

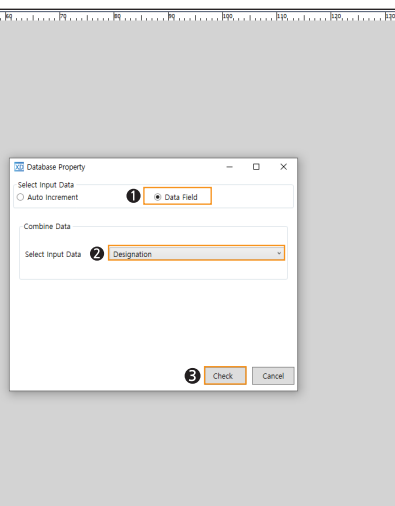
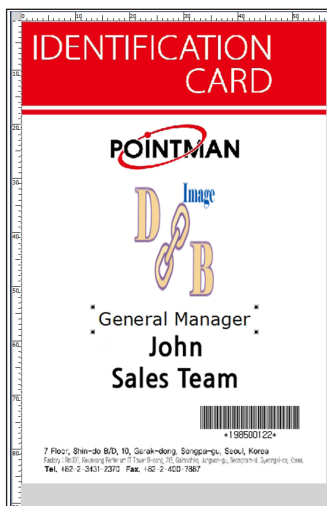
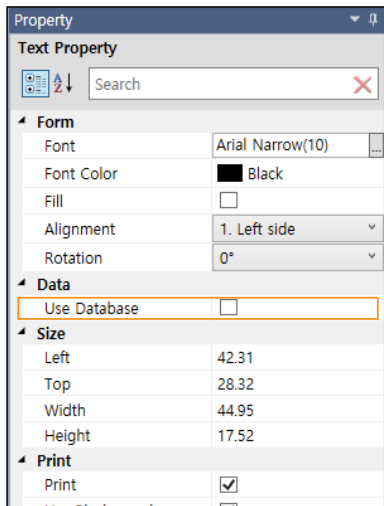


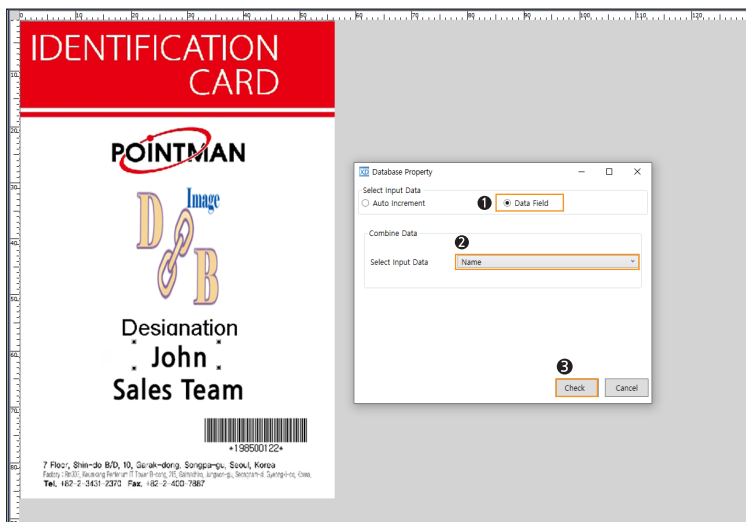
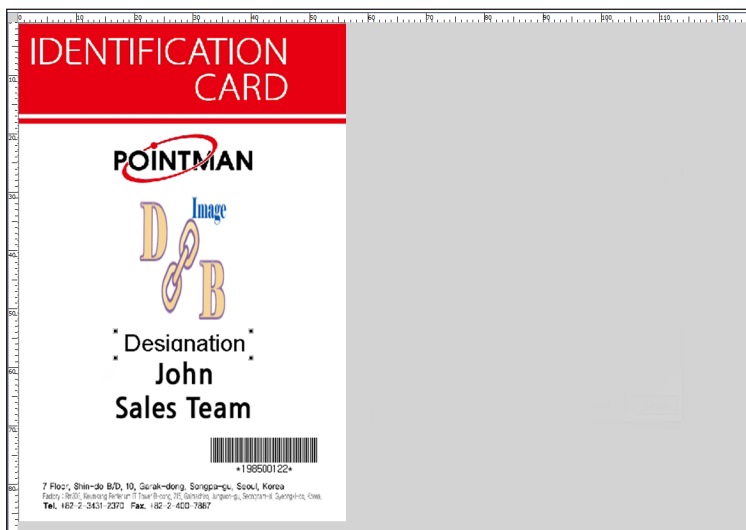
(3) Connect to Database (Text)

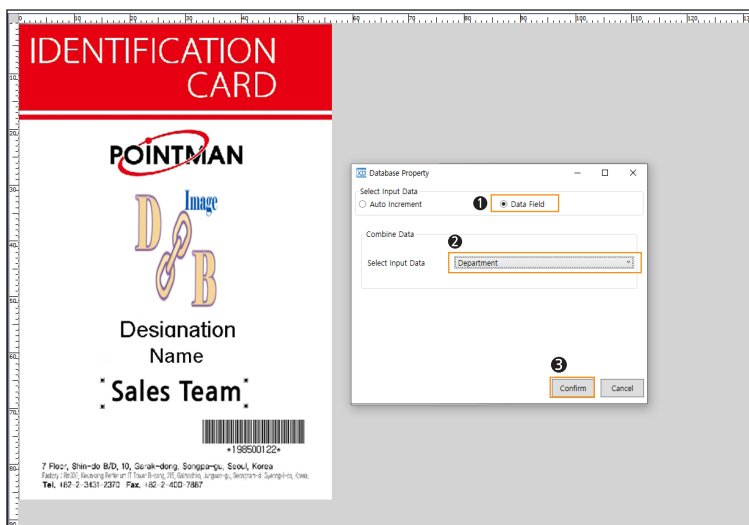
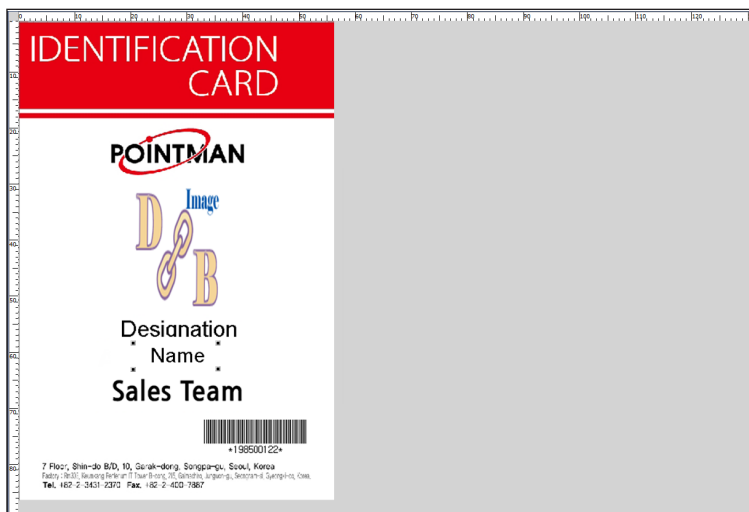
Click the text and select **"Text Property"**, and then check the **"Use Database"** box to connect the text to the database.

To connect multiple bodies of text, you need to enable the option for each text body.

1. When the **"Select the input data"** window pops up, **"Select the input data → Data field"** Then, select **"input data → Text to connect the contents→ Complete"**.





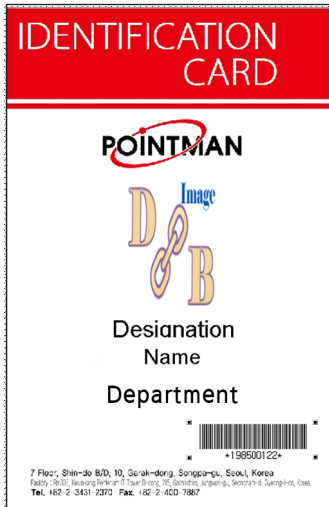


IDENTIFICATION CARD POINTMAN Image D B Desianation Name Department +198500122+ 7 Floor, Shin-do B/D, 10, Garak-dong, Songpa-gu, Seoul, Korea Factory 1833, Seoung Beom at 7, Four B-ro, 28, Gancheo, Songpa-gu, Seoul at 4, Songpa-gu, Gyeonggi-do, Korea Tel. 162-2-3431-2372 Fax. 162-2-420-7867		
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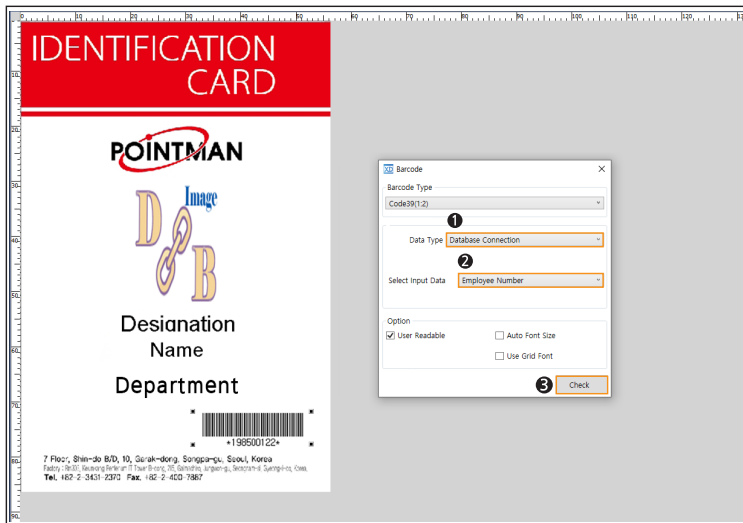
IDENTIFICATION CARD POINTMAN Image D B Desianation Name Department +198500122+ 7 Floor, Shin-do B/D, 10, Garak-dong, Songpa-gu, Seoul, Korea Factory 1833, Seoung Beom at 7, Four B-ro, 28, Gancheo, Songpa-gu, Seoul at 4, Songpa-gu, Gyeonggi-do, Korea Tel. 162-2-3431-2372 Fax. 162-2-420-7867		
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(4) Connect to Database (Barcode)

1. Click the barcode and select “Barcode Property”, and then check the “Use Database” box to connect the barcode to the database.

A 'Barcode Property' dialog box. It has a search bar at the top. Under the 'Form' section, 'Show Code' is checked, 'Auto Font Size' is unchecked, 'Rotation' is 0°, 'Use Check Text' is unchecked, 'Barcode type' is '1.BAR_CODE39_12', and 'Dimension' is '1D Barcode'. Under the 'Data' section, 'Use Database' is unchecked. Under the 'Size' section, 'Left' is 27.57, 'Top' is 66.75, 'Width' is 25.28, and 'Height' is 12.22. Under the 'Print' section, 'Print' is checked. There is an 'Etc.' section at the bottom.

When the "Barcode" window pops up, select "Data Type → Database Connection". Then, select "Select input data → Item to connect the barcode".

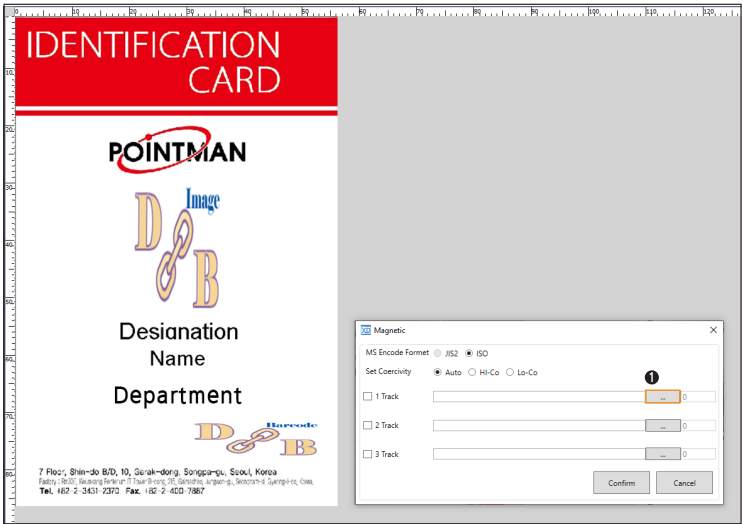


3. The following image will display when the photo, text, or barcode is connected to the database successfully.

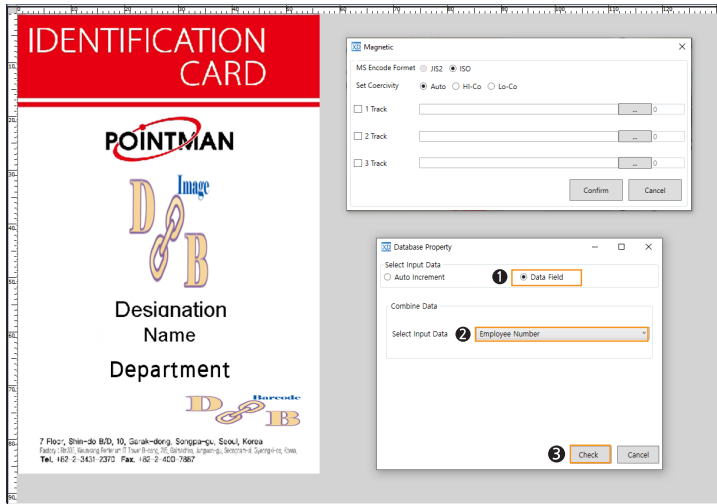


(5) Connect to Database (Magnetic Stripe)

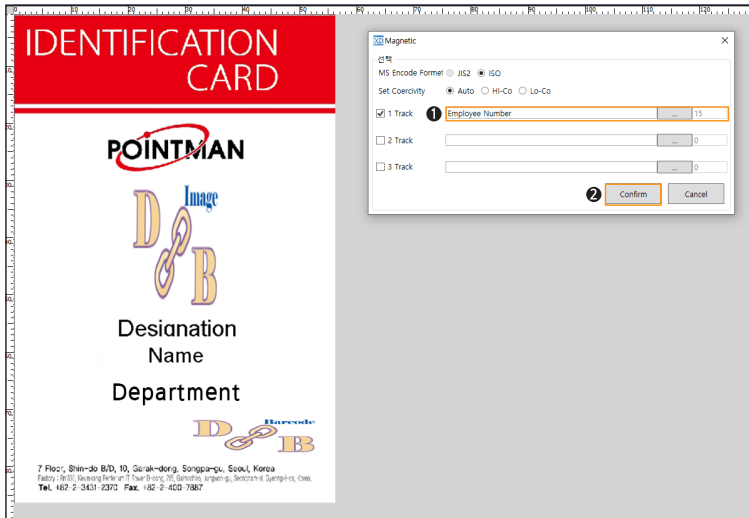
1. Click the Main menu →  select “Magnetic Property” and then click the ‘....’ to connect the Magnetic to the database. The Database Properties window opens.



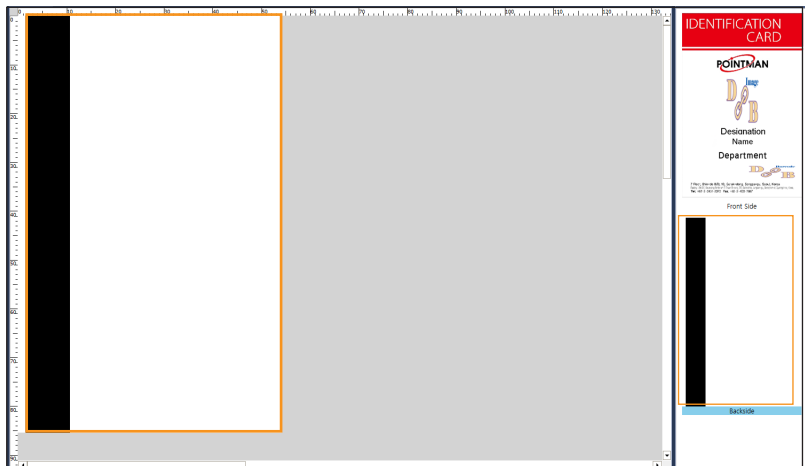
1. When the "Database Property" window pops up, select "Select input data → Data field" and click, Combine Data, "Select Input Data' → Item to connect the magnetic → Check".



2. You can select the item to connect the magnetic with clicking the '....'. Then click the 'Confirm'

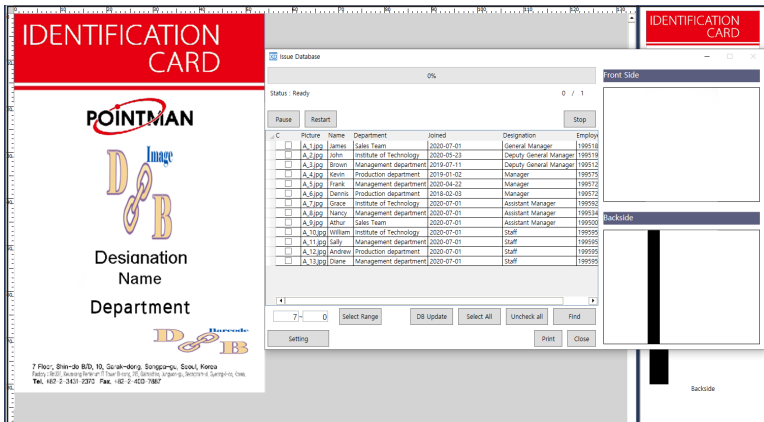


3. Magnetic area on the backside of the card.



[2] Print Cards by Connecting to Database

1. Once the database is connected, Click  “Print”.
in the “Main Menu” to print cards.



2. Issuing Data can be previewed in the preview screen on the right side by clicking “Check the checkbox of the item you want to issue” in the Database Issue Window.

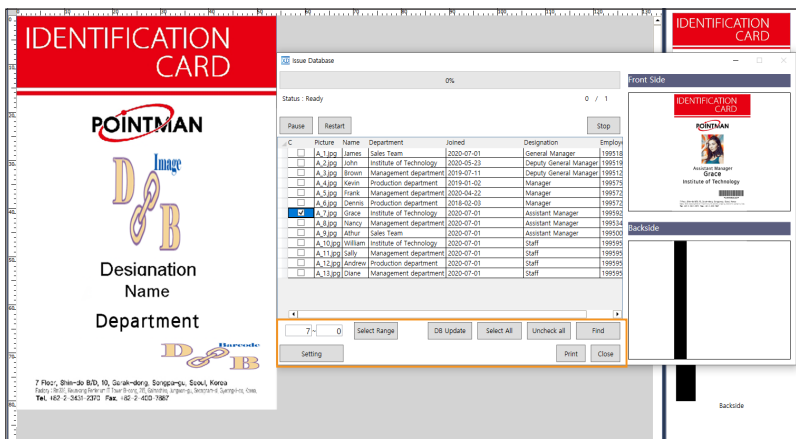
Select the Range: Select appointed range by inputting a number in the bottom and select the range.

Select All: Select All Previewed items.

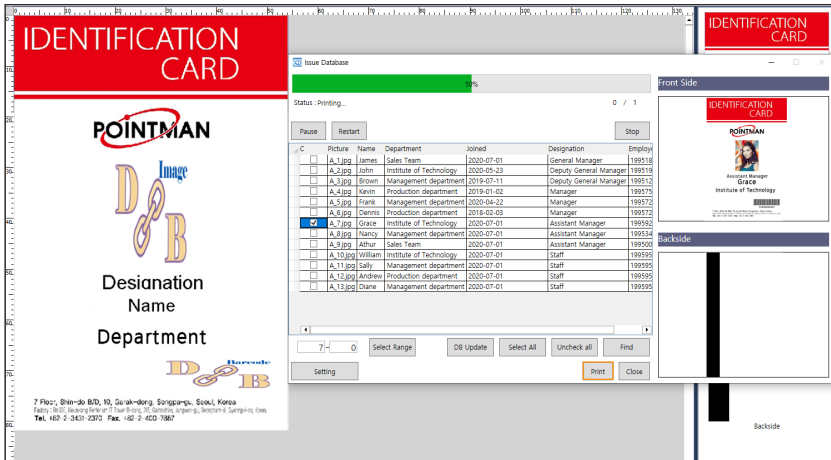
Unselect all: Unselect all checked items

Setting: Opening the Printer Set-up window by clicking the “Setting”

Find : Find data in the data table by clicking “Find” button



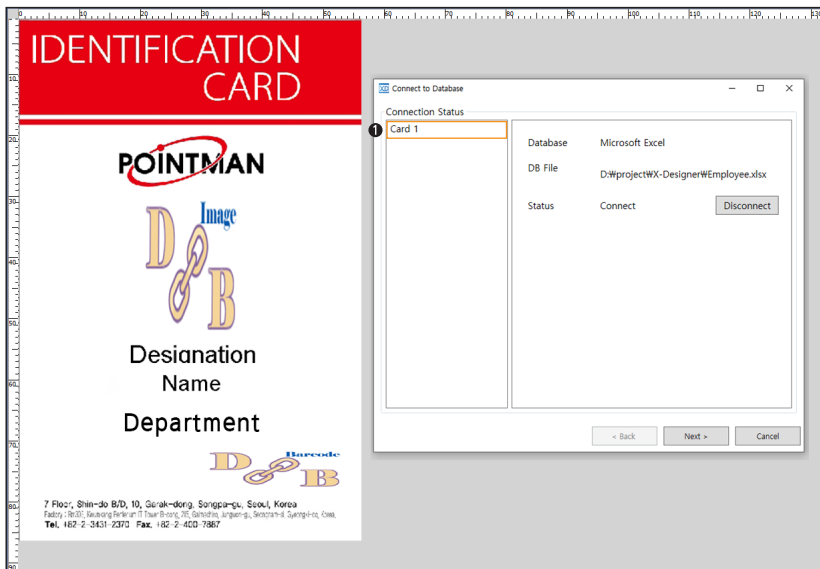
3. Click the 'DB Update' button to load the latest data, if the database is modified and needs to be updated



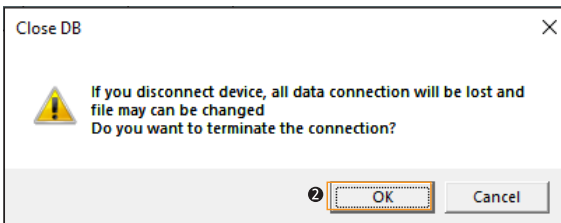
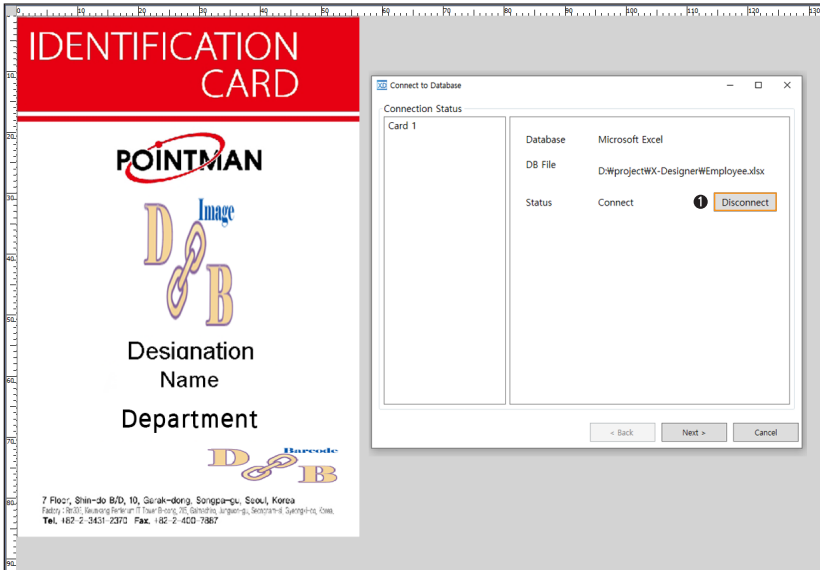
4. Click "Print" to start printing.

[3] Clear the Database Connection

1. Click  "Connect to Database" in the Option tap, and Click the Database connected item in the "connection status".



2. Click Disconnect. The Database will be disconnected and the figure will be cleared by Clicking Check button after a warning message.





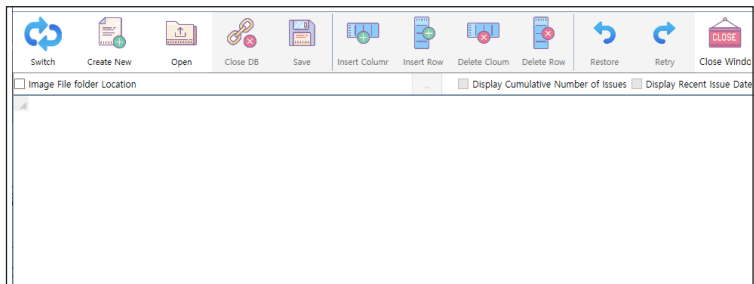
2) Database Tool

The database tool is a tool for managing creation/modification/deletion of data to interlock data without external programs such as EXCEL.

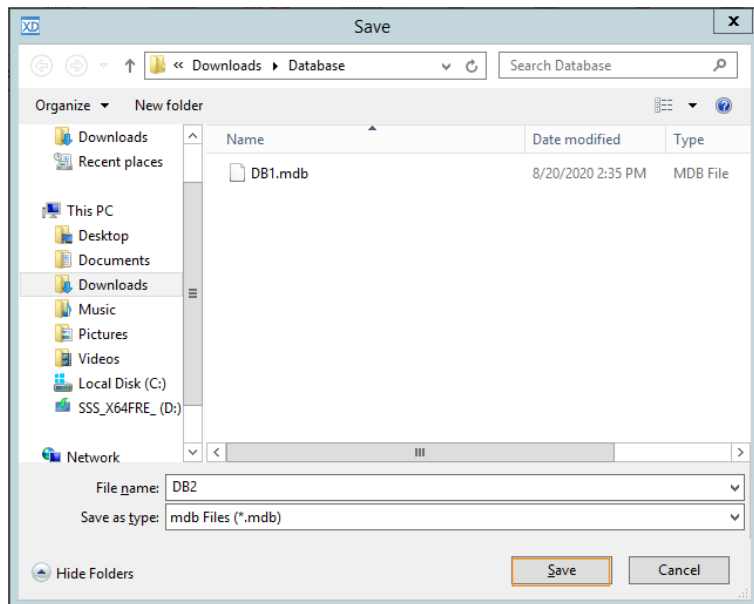
It consists of an intuitive menu configuration and is designed to be used more conveniently in the form of personnel management, that is, membership management according to the usage environment.

[1] Create Database

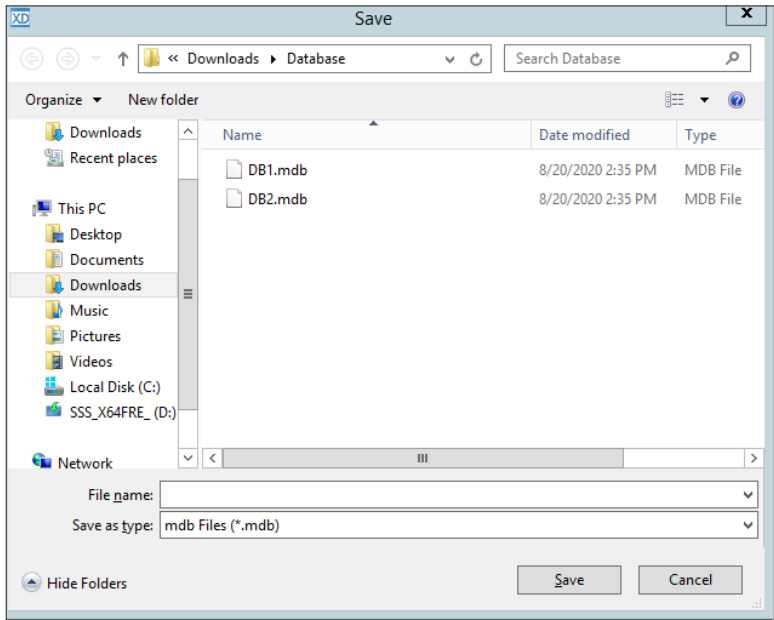
1. Click  “Database Tool” in the Option Tap.



2. Click  “Create New” button on top of the database tool window.
3. Set the database file name and click “Save”.

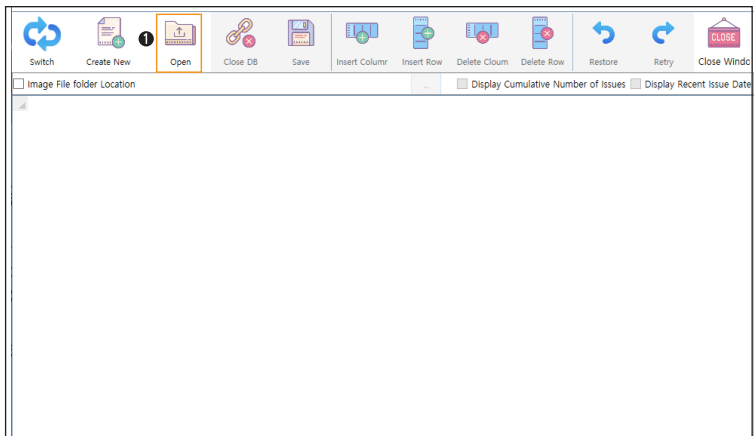


4.The new database will be created.

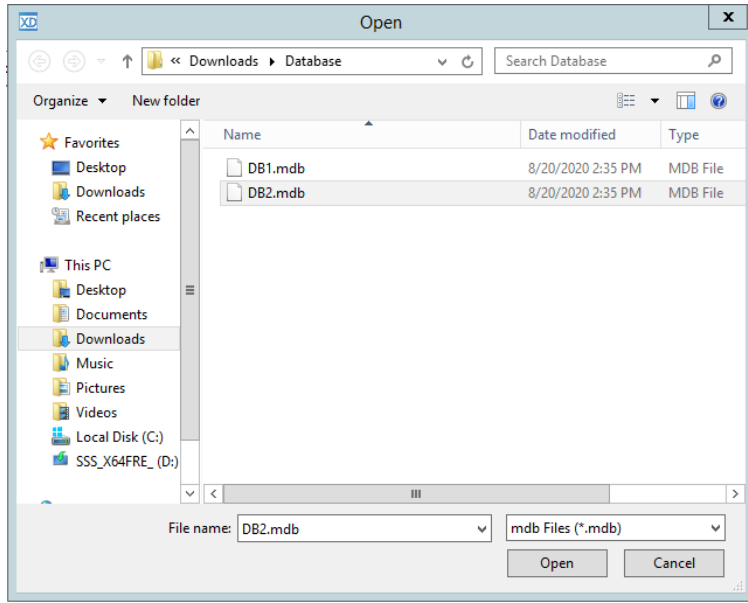


[2] Opening the Database

1. Click  'Open' button in the Database Window on top.



2. Select the file and Click “OPEN”



[3] Input Database Data

(1) Input in the Table Screen

1. Click  “Insert Column” and  “Insert ROW” to input data in the database.

Database Tool						
Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window						
☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date						
CellNumber	Picture	Name	Department	Joined	Designation	Employee Number
1	A.1.jpg	James	Sales Team	2020-07-01 오전 12:00:00	General Manager	19951857
2	A.2.jpg	John	Institute of Technology	2020-05-23 오전 12:00:00	Deputy General Manager	19951925
3	A.3.jpg	Brown	Management department	2019-07-11 오전 12:00:00	Deputy General Manager	19951234
4	A.4.jpg	Kevin	Production department	2019-01-02 오전 12:00:00	Manager	19957931
5	A.5.jpg	Frank	Management department	2020-04-22 오전 12:00:00	Manager	19957215
6	A.6.jpg	Dennis	Production department	2018-02-03 오전 12:00:00	Manager	19957205
7	A.7.jpg	Grace	Institute of Technology	2020-07-01 오전 12:00:00	Assistant Manager	19959234
8	A.8.jpg	Nancy	Management department	2020-07-01 오전 12:00:00	Assistant Manager	19953486
9	A.9.jpg	Arthur	Sales Team	2020-07-01 오전 12:00:00	Assistant Manager	19950024
10	A.10.jpg	William	Institute of Technology	2020-07-01 오전 12:00:00	Staff	19959500
11	A.11.jpg	Sally	Management department	2020-07-01 오전 12:00:00	Staff	19959501
12	A.12.jpg	Andrew	Production department	2020-07-01 오전 12:00:00	Staff	19959502
13	A.13.jpg	Diane	Management department	2020-07-01 오전 12:00:00	Staff	19959503

Database Tool						
Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window						
☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date						
CellNumber	Picture	Name	Department	Joined	Designation	Employee NumberNew Column1
1	A_1.jpg	James	Sales Team	2020-07-01 오전 12:00:00	General Manager	19951857
2	A_2.jpg	John	Institute of Technology	2020-05-23 오전 12:00:00	Deputy General Manager	19951925
3	A_3.jpg	Brown	Management department	2019-07-11 오전 12:00:00	Deputy General Manager	19951234
4	A_4.jpg	Kevin	Production department	2019-01-02 오전 12:00:00	Manager	19957531
5	A_5.jpg	Frank	Management department	2020-04-22 오전 12:00:00	Manager	19957215
6	A_6.jpg	Dennis	Production department	2018-02-03 오전 12:00:00	Manager	19957205
7	A_7.jpg	Grace	Institute of Technology	2020-07-01 오전 12:00:00	Assistant Manager	19959234
8	A_8.jpg	Nancy	Management department	2020-07-01 오전 12:00:00	Assistant Manager	19953486
9	A_9.jpg	Athur	Sales Team	2020-07-01 오전 12:00:00	Assistant Manager	19950024
10	A_10.jpg	William	Institute of Technology	2020-07-01 오전 12:00:00	Staff	19959500
11	A_11.jpg	Sally	Management department	2020-07-01 오전 12:00:00	Staff	19959501
12	A_12.jpg	Andrew	Production department	2020-07-01 오전 12:00:00	Staff	19959502
13	A_13.jpg	Diane	Management department	2020-07-01 오전 12:00:00	Staff	19959503
14						

2. Double clicking on the title of each ROW and Data to change the value as you wish
(Cell number, Accumulated Issue, Recent Issue Data cannot be changed).

Database Tool						
Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window						
☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date						
CellNumber	Picture	Name	Department	Joined	Designation	Employee NumberNew Column1
1	A_1.jpg	James	Sales Team	2020-07-01 오전 12:00:00	General Manager	19951857
2	A_2.jpg	John	Institute of Technology	2020-05-23 오전 12:00:00	Deputy General Manager	19951925
3	A_3.jpg	Brown	Management department	2019-07-11 오전 12:00:00	Deputy General Manager	19951234
4	A_4.jpg	Kevin	Production department	2019-01-02 오전 12:00:00	Manager	19957531
5	A_5.jpg	Frank	Management department	2020-04-22 오전 12:00:00	Manager	19957215
6	A_6.jpg	Dennis	Production department	2018-02-03 오전 12:00:00	Manager	19957205
7	A_7.jpg	Grace	Institute of Technology	2020-07-01 오전 12:00:00	Assistant Manager	19959234
8	A_8.jpg	Nancy	Management department	2020-07-01 오전 12:00:00	Assistant Manager	19953486
9	A_9.jpg	Athur	Sales Team	2020-07-01 오전 12:00:00	Assistant Manager	19950024
10	A_10.jpg	William	Institute of Technology	2020-07-01 오전 12:00:00	Staff	19959500
11	A_11.jpg	Sally	Management department	2020-07-01 오전 12:00:00	Staff	19959501
12	A_12.jpg	Andrew	Production department	2020-07-01 오전 12:00:00	Staff	19959502
13	A_13.jpg	Diane	Management department	2020-07-01 오전 12:00:00	Staff	19959503
14						

Database Tool						
Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window						
☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date						
CellNumber	Picture	Name	Department	Joined	Designation	Employee NumberNew Column1
1	A_1.jpg	James	Sales Team	2020-07-01 오전 12:00:00	General Manager	19951857
2	A_2.jpg	John	Institute of Technology	2020-05-23 오전 12:00:00	Deputy General Manager	19951925
3	A_3.jpg	Brown	Management department	2019-07-11 오전 12:00:00	Deputy General Manager	19951234
4	A_4.jpg	Kevin	Production department	2019-01-02 오전 12:00:00	Manager	19957531
5	A_5.jpg	Frank	Management department	2020-04-22 오전 12:00:00	Manager	19957215
6	A_6.jpg	Dennis	Production department	2018-02-03 오전 12:00:00	Manager	19957205
7	A_7.jpg	Grace	Institute of Technology	2020-07-01 오전 12:00:00	Manager	19959234
8	A_8.jpg	Nancy	Management department	2020-07-01 오전 12:00:00	Assistant Manager	19953486
9	A_9.jpg	Athur	Sales Team	2020-07-01 오전 12:00:00	Assistant Manager	19950024
10	A_10.jpg	William	Institute of Technology	2020-07-01 오전 12:00:00	Staff	19959500
11	A_11.jpg	Sally	Management department	2020-07-01 오전 12:00:00	Staff	19959501
12	A_12.jpg	Andrew	Production department	2020-07-01 오전 12:00:00	Staff	19959502
13	A_13.jpg	Diane	Management department	2020-07-01 오전 12:00:00	Staff	19959503
14						

3. Click "Save" Button to save the changed data

(2) Input in the Data Control Screen

1. Click  "Switch" button to input Database Data

Database Tool

Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window

Image File folder Location

Display Cumulative Number of Issues Display Recent Issue Date

CellNumber	Picture	Name	Department	Joined	Designation	Employee Number	New Column1
1	A_1.jpg	James	Sales Team	2020-07-01 오전 12:00:00	General Manager	19951857	
2	A_2.jpg	John	Institute of Technology	2020-05-23 오전 12:00:00	Deputy General Manager	19951925	
3	A_3.jpg	Brown	Management department	2019-07-11 오전 12:00:00	Deputy General Manager	19951234	
4	A_4.jpg	Kevin	Production department	2019-01-02 오전 12:00:00	Manager	19957531	
5	A_5.jpg	Frank	Management department	2020-04-22 오전 12:00:00	Manager	19957215	
6	A_6.jpg	Dennis	Production department	2018-02-03 오전 12:00:00	Manager	19957205	
7	A_7.jpg	Grace	Institute of Technology	2020-07-01 오전 12:00:00	Manager	19959234	
8	A_8.jpg	Nancy	Management department	2020-07-01 오전 12:00:00	Assistant Manager	19953486	
9	A_9.jpg	Athur	Sales Team	2020-07-01 오전 12:00:00	Assistant Manager	19950024	
10	A_10.jpg	William	Institute of Technology	2020-07-01 오전 12:00:00	Staff	19959500	
11	A_11.jpg	Sally	Management department	2020-07-01 오전 12:00:00	Staff	19959501	
12	A_12.jpg	Andrew	Production department	2020-07-01 오전 12:00:00	Staff	19959502	
13	A_13.jpg	Diane	Management department	2020-07-01 오전 12:00:00	Staff	19959503	
14							

2. Click  'New data' on top.

Database Tool

Switch New Data Insert Data Update Delete Data Close Window

Image File folder Location

Display Cumulative Number of Issues Display Recent Issue Date

CellNumber 1

Picture A_1.jpg

Name James

Department Sales Team

Joined 2020-07-01

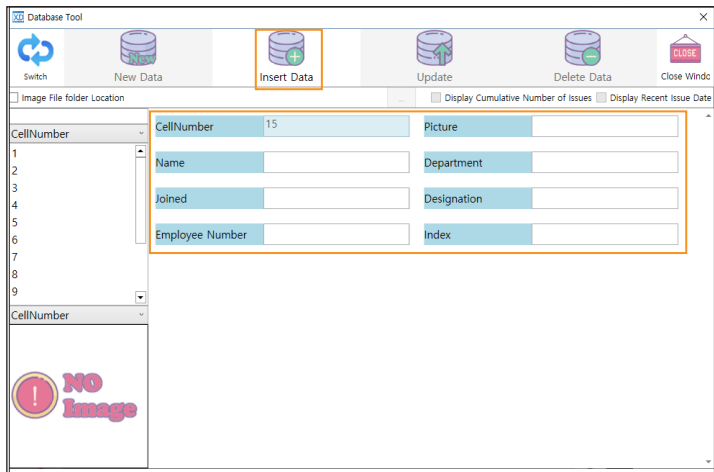
Designation General Manager

Employee Number 19951857

Index 1

NO Image

3. Click  “Insert Data” after Inputting Data you wish to save.



Database Tool

Switch New Data **Insert Data** Update Delete Data Close Window

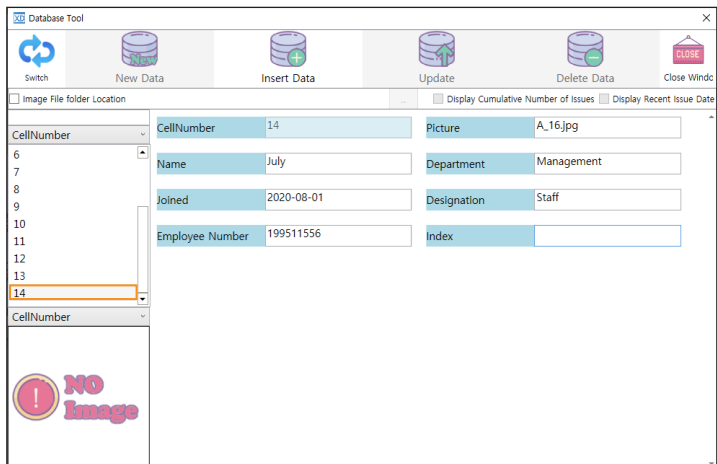
Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date

CellNumber	15	Picture	
Name		Department	
Joined		Designation	
Employee Number		Index	

CellNumber

 NO Image

4. When the added data is being saved, it shows on the left side of Cell number after saving added data.



Database Tool

Switch New Data Insert Data Update Delete Data Close Window

Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date

CellNumber	14	Picture	A_16.jpg
Name	July	Department	Management
Joined	2020-08-01	Designation	Staff
Employee Number	199511556	Index	

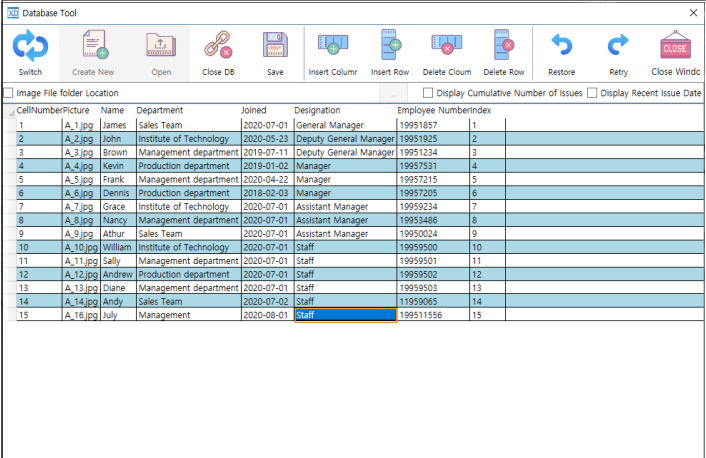
CellNumber

 NO Image

[4] Deleting the Database Data

(1) Deleting the specific Cell in the table screen

1. Select any Cell you wish to delete.



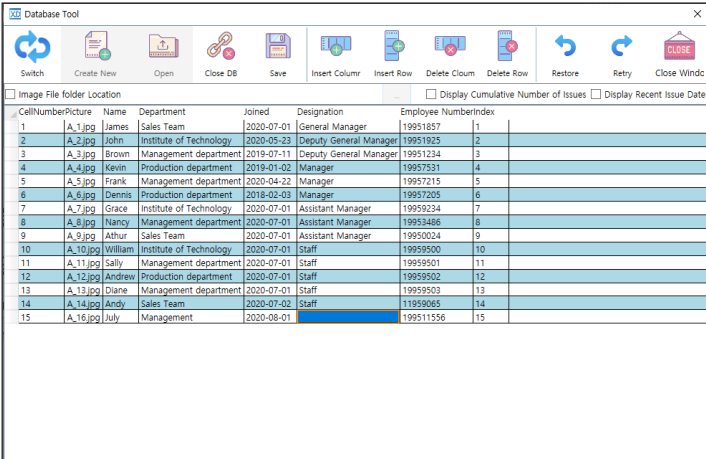
Database Tool

Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window

☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date

CellNumber	Picture	Name	Department	Joined	Designation	Employee Number	Index
1	A_1.jpg	James	Sales Team	2020-07-01	General Manager	19951857	1
2	A_2.jpg	John	Institute of Technology	2020-05-23	Deputy General Manager	19951925	2
3	A_3.jpg	Brown	Management department	2019-07-11	Deputy General Manager	19951234	3
4	A_4.jpg	Kevin	Production department	2019-01-02	Manager	19957531	4
5	A_5.jpg	Frank	Management department	2020-04-22	Manager	19957215	5
6	A_6.jpg	Dennis	Production department	2018-02-03	Manager	19957205	6
7	A_7.jpg	Grace	Institute of Technology	2020-07-01	Assistant Manager	19959234	7
8	A_8.jpg	Nancy	Management department	2020-07-01	Assistant Manager	19953486	8
9	A_9.jpg	Athur	Sales Team	2020-07-01	Assistant Manager	19950024	9
10	A_10.jpg	William	Institute of Technology	2020-07-01	Staff	19959500	10
11	A_11.jpg	Sally	Management department	2020-07-01	Staff	19959501	11
12	A_12.jpg	Andrew	Production department	2020-07-01	Staff	19959502	12
13	A_13.jpg	Diane	Management department	2020-07-01	Staff	19959503	13
14	A_14.jpg	Andy	Sales Team	2020-07-02	Staff	11959065	14
15	A_16.jpg	July	Management	2020-08-01	Staff	199511556	15

2. Click Keyboard “Delete” to delete data in a cell



Database Tool

Switch Create New Open Close DB Save Insert Column Insert Row Delete Column Delete Row Restore Retry Close Window

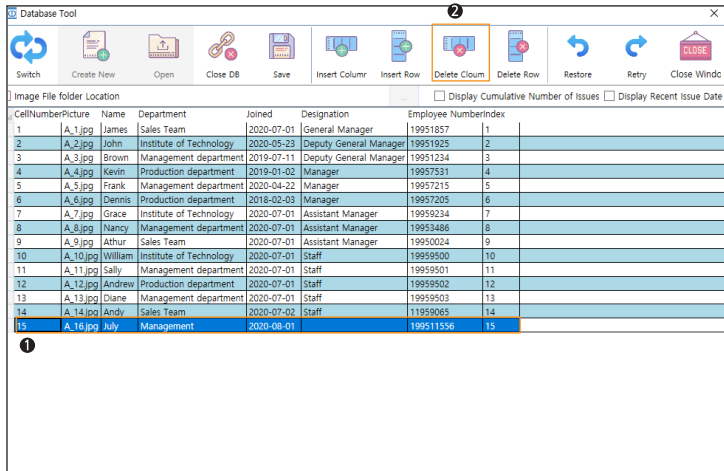
☐ Image File folder Location ☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date

CellNumber	Picture	Name	Department	Joined	Designation	Employee Number	Index
1	A_1.jpg	James	Sales Team	2020-07-01	General Manager	19951857	1
2	A_2.jpg	John	Institute of Technology	2020-05-23	Deputy General Manager	19951925	2
3	A_3.jpg	Brown	Management department	2019-07-11	Deputy General Manager	19951234	3
4	A_4.jpg	Kevin	Production department	2019-01-02	Manager	19957531	4
5	A_5.jpg	Frank	Management department	2020-04-22	Manager	19957215	5
6	A_6.jpg	Dennis	Production department	2018-02-03	Manager	19957205	6
7	A_7.jpg	Grace	Institute of Technology	2020-07-01	Assistant Manager	19959234	7
8	A_8.jpg	Nancy	Management department	2020-07-01	Assistant Manager	19953486	8
9	A_9.jpg	Athur	Sales Team	2020-07-01	Assistant Manager	19950024	9
10	A_10.jpg	William	Institute of Technology	2020-07-01	Staff	19959500	10
11	A_11.jpg	Sally	Management department	2020-07-01	Staff	19959501	11
12	A_12.jpg	Andrew	Production department	2020-07-01	Staff	19959502	12
13	A_13.jpg	Diane	Management department	2020-07-01	Staff	19959503	13
14	A_14.jpg	Andy	Sales Team	2020-07-02	Staff	11959065	14
15	A_16.jpg	July	Management	2020-08-01	Staff	199511556	15

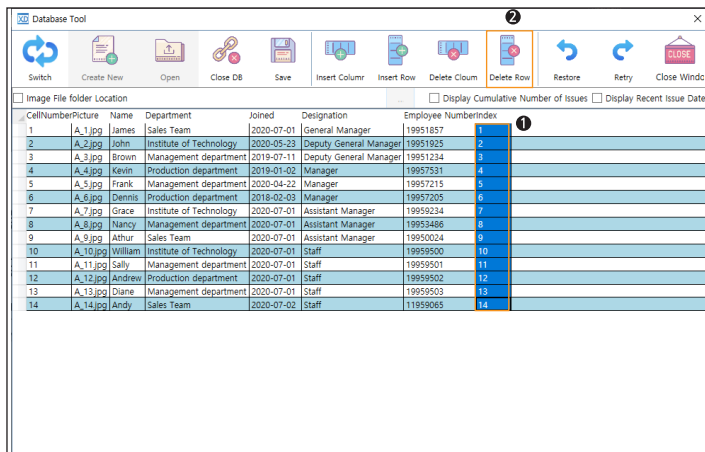
3. Click  “Save” button, to save changed data.

(2) Deleting Column / Row in the Table Screen

1. Click  “Delete Column” to delete Row in Cell



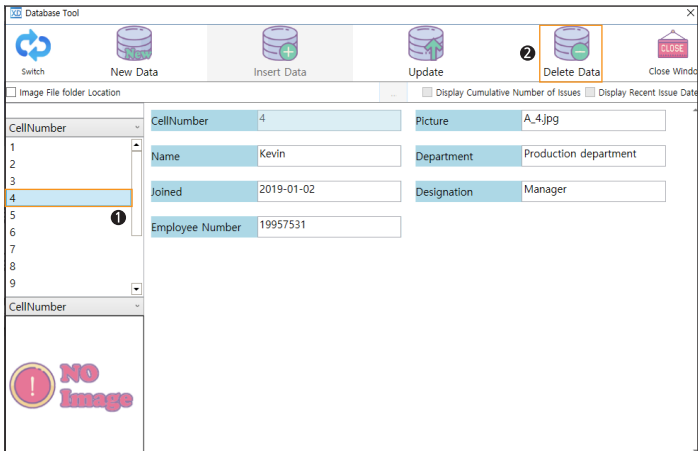
2. Click  “Delete Row” to delete Row in Cell



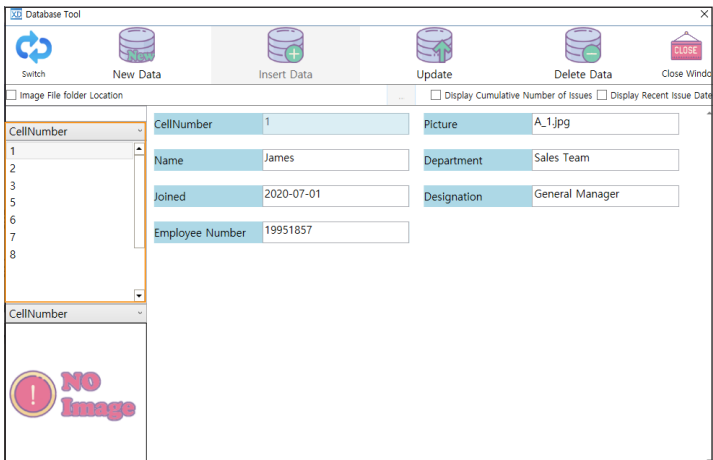
3. Click  “Save” button, to save the changed data.

(3) Deleting in the Data Control Screen

1. Select Data you wish to delete.



2. Click upper  "Delete Database" button, Data will be deleted and saved automatically.



[5] Database other functions

(1) Image folder function

Finds images in the specified folder.

If the image folder file root is set to C:\WDB_IMAGE, the image of photo 5.jpg is processed as C:\WDB_IMAGE photo 5.jpg.

☒ Image File folder Location

 Switch

 Create New

 Open

 Close DB

 Save

 Insert Column

 Insert Row

 Delete Column

 Delete Row

 Restore

 Retry

 Close Window

☒ Image File folder Location

☐ Display Cumulative Number of Issues ☐ Display Recent Issue Date

- Display the cumulative number of issuances and the date of the latest issue

When printing a card, it automatically updates the number of times it was issued and the date it was recently issued. If you check the option, the cumulative publication and the latest publication date are automatically added to the database table and management window, and this data cannot be modified.

Database Tool									
 Switch  Create New  Open  Close DB  Save  Insert Column  Insert Row  Delete Column  Delete Row  Restore  Retry  Close Window ☒ Image File folder Location ☒ Display Cumulative Number of Issues ☒ Display Recent Issue Date									
CellNumber	Cumulative Issuance	LastUpdateDate	TimePicture	Name	Department	Joined	Designation	Employee Number	
1	0		A_1.jpg	James	Sales Team	2020-07-01	General Manager	19951857	
2	0		A_2.jpg	John	Institute of Technology	2020-05-23	Deputy General Manager	19951925	
3	0		A_3.jpg	Brown	Management department	2019-07-11	Deputy General Manager	19951234	
4	0		A_5.jpg	Frank	Management department	2020-04-22	Manager	19957215	
5	0		A_6.jpg	Dennis	Production department	2018-02-03	Manager	19957205	
6	0		A_7.jpg	Grace	Institute of Technology	2020-07-01	Assistant Manager	19959234	
7	0		A_8.jpg	Nancy	Management department	2020-07-01	Assistant Manager	19953486	
8	0		A_9.jpg	Athur	Sales Team	2020-07-01	Assistant Manager	19950024	
9	0		A_10.jpg	William	Institute of Technology	2020-07-01	Staff	19959500	
10	0		A_11.jpg	Sally	Management department	2020-07-01	Staff	19959501	
11	0		A_12.jpg	Andrew	Production department	2020-07-01	Staff	19959502	
12	0		A_13.jpg	Diane	Management department	2020-07-01	Staff	19959503	
13	0		A_14.jpg	Andy	Sales Team	2020-07-02	Staff	11959065	

(2) Data control screen data search function

This function is used when you want to find the desired data among the data in the database.

1. Select the title with the data you wish to search.

Database Tool

Switch

New Data

Insert Data

Update

Delete Data

Close Window

Image File folder Location

...

☒ Display Cumulative Number of Issues

☒ Display Recent Issue Date

CellNumber

1

Cumulative_Issuance

0

LastUpdateDateTime

Picture

A_1.jpg

Name

James

Department

Sales Team

Joined

2020-07-01

Designation

General Manager

Employee Number

19951857

CellNumber

CellNumber

CellNumber

Cumulative_Issuance

LastUpdateDateTime

Picture

Name

Department

Joined

2. Enter a value at the top and the matching data will be displayed

CellNumber

1

2

3

4

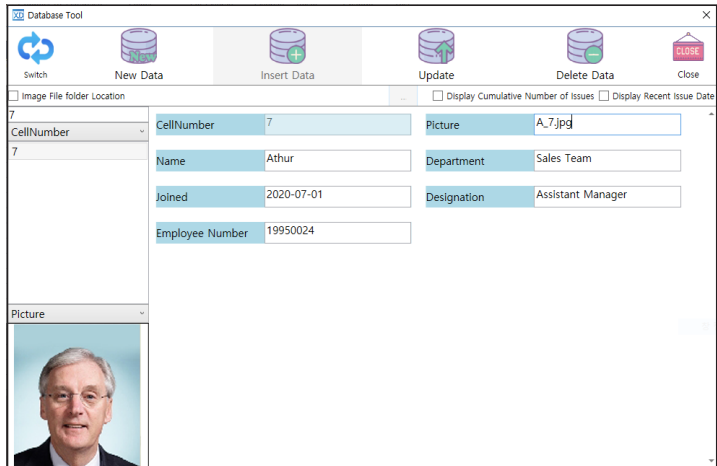
5

6

7

CellNumber

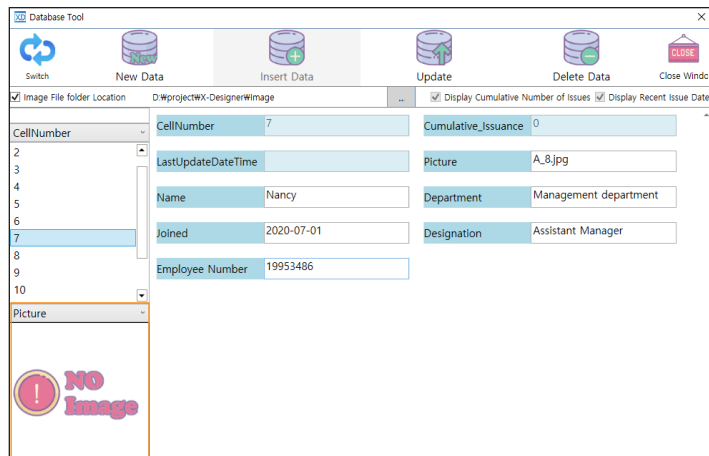
7



(3) Data control screen image check function

First, check if there is image data in the database-linked data. If there is, select the image title you wish to check in the lower left display, and the image in the allocated area will be displayed.

If the image file is missing or is incorrectly specified in the linked path, it is displayed as No Image.



There are two ways to check image data.

Enter data including all the location of the first image

(Ex : D:\project\WX-Designer\Image\A_2.jpg)

Database Tool

Switch New Data Insert Data Update Delete Data Close Window

☒ Image File folder Location D:\project\WX-Designer\image ☒ Display Cumulative Number of Issues ☒ Display Recent Issue Date

CellNumber	1	Cumulative_Issuance	0
LastUpdateDateTime		Picture	D:\project\WX-Designer\image\A_1.jpg
Name	James	Department	Sales Team
Joined	2020-07-01	Designation	General Manager
Employee Number	19951857		

Picture

Secondly after specifying the image file folder location at the top, if you enter only the image file name (including the extension), the image will be found in the designated folder.



Caution If the image file folder location is specified, you must enter only the file name.

1. Check the box of 'Image file folder location:' at the top, and Click the button '...'.

Database Tool

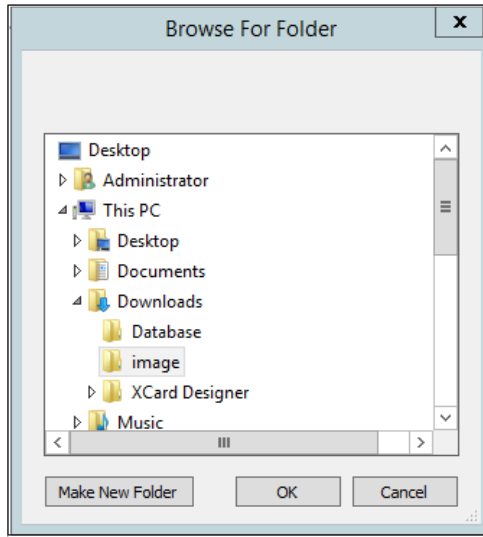
Switch New Data Insert Data Update Delete Data Close Window

☒ Image File folder Location ... ☒ Display Cumulative Number of Issues ☒ Display Recent Issue Date

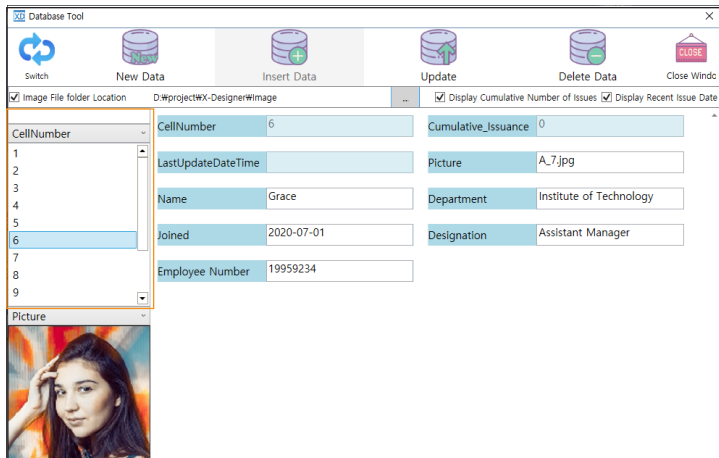
CellNumber	1	Cumulative_Issuance	0
LastUpdateDateTime		Picture	A_1.jpg
Name	James	Department	Sales Team
Joined	2020-07-01	Designation	General Manager
Employee Number	19951857		

CellNumber

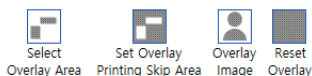
2. Select the folder where the image is saved and click “OK”.



3. Check the data



② Overlay



This option is for setting the desired area when using the overlay.
*This function is only available when using ribbons with overlays such as YMCKO, KO, and YMCKOK.

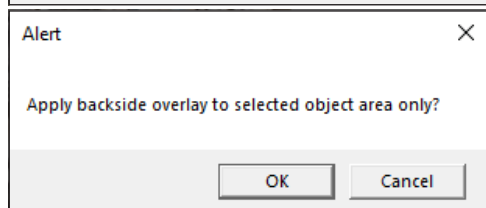
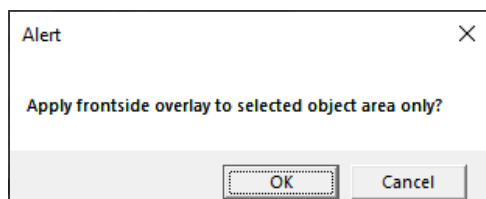


1) Setting the overlay area

1. Select the shape you want to overlay. (Regardless of the shape, the area of the rectangle is designated.)



2. Clicking the  “Select Overlay Area” button at the top opens a confirmation window according to the front and back sides.



3. Click the OK button to apply the overlay area.

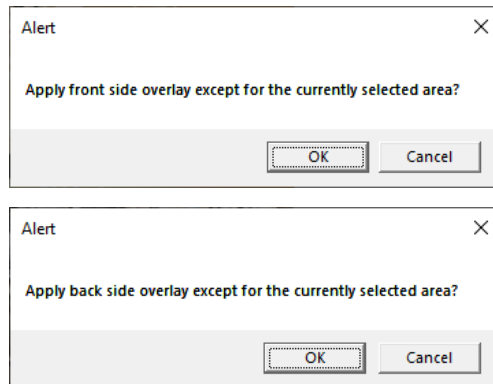


2) Setting the overlay exclusion area

1. Select the shape you wish to exclude from the overlay (regardless of the shape, a rectangular area is designated.)



2. Clicking the “Set Overlay Printing Skip Area” button at the top opens a confirmation window according to the front and back sides.

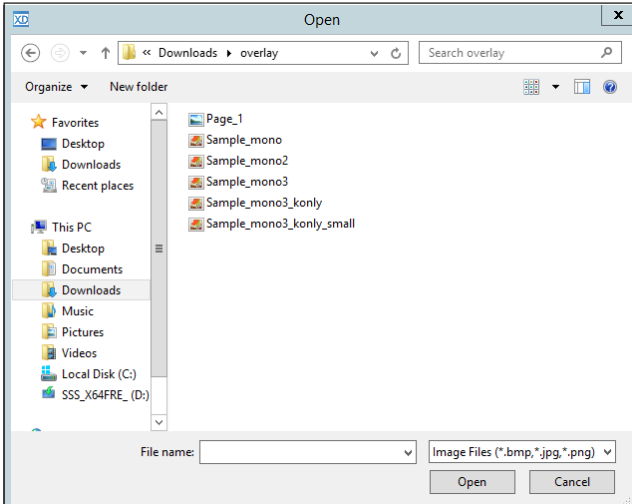


3. When the “OK” button is clicked, the overlay excluded area is applied.

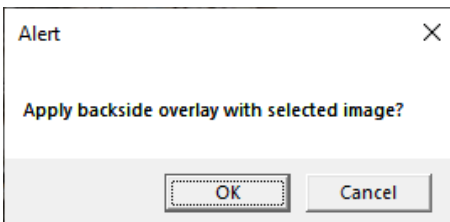
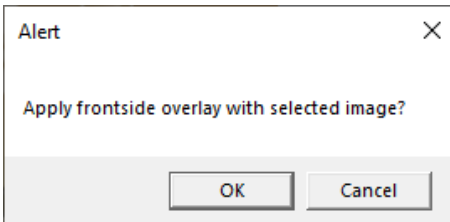


3) Setting the overlay area with an image

1. Click the  “Overlay Image” at the top.
2. Select the image to apply the overlay.
* This function is used when you wish to display the overlay in the shape of the selected image regardless of the form you have worked on (watermark effect).



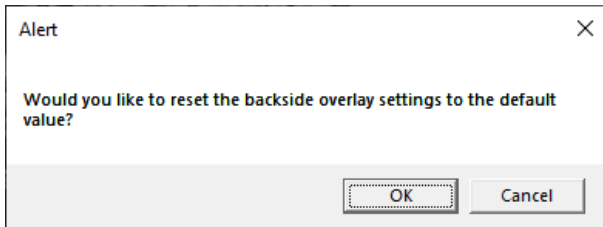
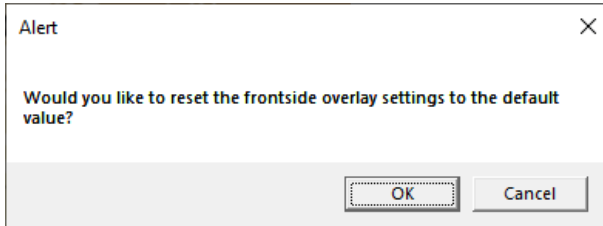
3. Click “Open” button to open a confirmation window according to the front and back sides.



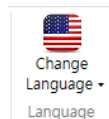


4) Reset the overlay area

1. Click  “Reset Overlay” at the top.
2. The overlay is initialized to its default state (all overlays).



③ Language



1) Change language

Change the language of the designer.

As of the current version (3.1.0), the supported languages are English/Korean/Chinese.

④ Test



1) Test

It is a function to run a program to test the functions of the equipment.

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