

## **USER GUIDE** BY SCREENCHECK

2015 February

User Guide V1.3.2 BadgeMaker V1.3.2



www.screencheck.com







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### Introduction

Welcome and thank you for using BadgeMaker.

BadgeMaker is desktop-based card production software developed to design card layouts, manage, add or import card data, capture photo's & signatures and printing a card with one click of a button making the card production process quick and easy.

BadgeMaker is a combination of two specific modules that each have their own strength. BadgeMaker Design focuses on creating perfect card layouts and BadgeMaker Identity can handle your data with the ease of known spreadsheet software.

As a user you can design different types of ID cards or other layouts. Using a design tool that you understand, but still has all the needed functions to make the best design possible. BadgeMaker Design can be used for all your design setups.

BadgeMaker Design gives you the basic tools to create a front and back design, with images, photo's, drawing tools and dynamic data. You will be able to create a template with placeholders that help determine the layout of dynamic data. For example: where a Passport photo should be placed, a signature or the first and last name of person. Designing one template that can be attached to multiple data records in BadgeMaker Identity will have a great impact on your card production.

As a user you can manage data and layouts for different types of ID cards using different types of printers. BadgeMaker Identity gives you the basic tools to import, add and manage data like person information, passport photo's and signatures. This data can then be connected to a card layout and selected for printing. With BadgeMaker uploading or printing large amounts of data and cards is possible and makes your card production process an even better experience.

Any Windows PC with a network connection can be used to install the BadgeMaker. This PC needs to have an internet connection to download the installation link, there is also an option to work with an offline version.

This manual does not describe the installation of printers or other peripherals like a Camera or Signature Pad. Please refer to the manufacturers manuals for further information on these devices.





## **General Information**

When you or your organization has chosen BadgeMaker for your card design, data management and card production make sure you have the correct hardware to install on. Decisions need to be made on which Windows PC is needed for installing BadgeMaker and which card printer you would like to be connected.

### Specifications

#### Minimum Hardware specifications:

#### Software:

- Processor Intel Pentium Dual core G640 2,8 Ghz or equal
- Memory 2GB
- Free Disk space 4GB
- Graphics 1024 x 768
- Monitor/Mouse/keyboard
- 3 available USB ports (printer/webcam/signature pad)

- Supported Operating Systems
- Windows Vista (32 bit & 64 bit)
- Windows 7 (32 bit & 64 bit)
- Windows 8 & 8.1 (32 bit & 64 bit)



## S BADGEMAKER USER GUIDE

### Supported Printers

Support for new printers is added regularly by means of our automatic software updates.

Manufacturer	Туре	Single sided	Double sided	Batch Printing	True Black	Print job Preferences	Contactless Encoding	MAGstripe Encoding	Remark
Datacard	SD360	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	Does not print white text elements on dark or black backgrounds.
DNP	CX330	Yes	Yes	Yes	Yes	Unknown	No	No	
Evolis	Primacy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fargo	HDP5000	Yes	Yes	Yes	Yes	Yes	No	No	
Fargo	DTC4500	Yes	Yes	Yes	Yes	Yes	No	No	
Magicard	RioPRO	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	
Polaroid	P4500S+	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	Default driver installation setting for Black panel is incorrect.
Polaroid	P5500	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	Does not print white text elements on dark or black backgrounds.
Polaroid	P4000E	Yes	Yes	Yes	Yes	Yes	No	No	Does not print white and colored text elements or transparent images.
ScreenCheck	SC7000	Yes	Yes	Yes	Yes	Yes	No	No	
Zebra	ZXP Series 7	Yes	Yes	Yes	Yes	Yes	No	No	





### Installation

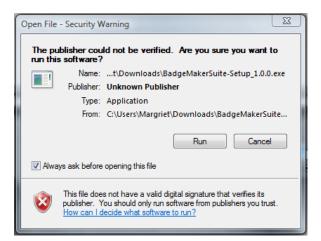
The software installation of BadgeMaker uses a download link at: <u>http://badgemaker.info/downloads</u>

The link will download the installer that will look like this:



Clicking on the installer above will open a popup window. This popup will ask the if you are sure you would like to run the installer. Clicking on the run button will start the BadgeMaker Setup Wizard. The Setup Wizard will guide you through the installation process.

**Step 1.** If you would like to run the installer and setup BadgeMaker on your desktop click the "Run" button. If you do not want to install BadgeMaker click on the "Cancel" button.







Step 2. Click on the "Next" button to continue the installation of BadgeMaker.

<b>@</b>	BadgeMaker Setup
	Welcome to the BadgeMaker Setup Wizard
	The Setup Wizard will install BadgeMaker on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
6 BADGEMAKER	
S DADGEMARER	< Back Next > Cancel

**Step 3a.** The "Features" tab: This step in the installation process is to select how you would like to install BadgeMaker. You can select the features you would like to install. BadgeMaker Design, Identity, Demo projects and the CCI Editor are selected default. If you would like to choose to only install Identity or Design just deselect the boxes of the features you do not want to install.

6	BadgeMaker Setup
•	Configure how BadgeMaker will be installed
	Features Installation Folder
	Select the features to be installed          Image: Select the features to be installed         Image: Select the features to be insthe features to be
Adv	anced Installer
Adv	anced Installer





**Step 3b.** The "Installation Folder" tab: The third step in the installation process is selecting where you would like to install BadgeMaker. You can select where you would like to install BadgeMaker by clicking on the browse button and browsing to the needed location. If you do not have a specific location for BadgeMaker you can keep the default location.

🍪 Ba	dgeMaker Setup	×
Configure how BadgeMaker will I	oe installed	
Features Installation Folder		
BadgeMaker will be installed on yo enter it below or click "Browse".	our computer. To install to a dif	ferent location,
C:\Program Files (x86)\ScreenCl	neck\BadgeMaker\	Browse
Total space required on drive: Space available on drive:	106 MB 392 GB	
Remaining free space on drive:	392 GB	
Advanced Installer		
	< Back Ne:	xt > Cancel

Step 4. The Setup Wizard is now ready to begin the BadgeMaker installation.

Click the "Install" button to begin the installation. If you want to review or change any of your installation settings, click on the "Back" button. Click "Cancel" to exit the wizard.

6	BadgeMaker Setup
1	Ready to Install
	The Setup Wizard is ready to begin the BadgeMaker installation
	Click "Install" to begin the installation. If you want to review or change any of your installation settings, dick "Back". Click "Cancel" to exit the wizard.
Adv	vanced Installer

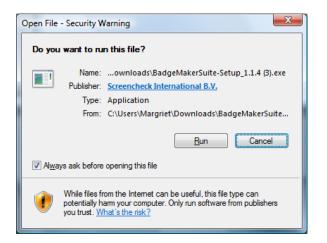




**Step 5a.** The installation is now in process. This can take a couple of minutes. A popup window will appear to make sure that you want to run the installation.

۲		BadgeMaker Setup			
Ir	Installing BadgeMaker				
	Please wait minutes.	t while the Setup Wizard installs BadgeMaker.This may take several			
	Status:	Installing files.			
éduan	iced Installer				
Advan	iceu installer	< Back Next > Cancel			

**Step 5b.** Click on the "Run" button to continue the installation.







**Step 6.** The installation is complete click the "Finish" button to exit the Setup Wizard.

۲	BadgeMaker Setup	×
	Completing the BadgeMaker Setup Wizard	
	Click the "Finish" button to exit the Setup Wizard.	
BADGEMAKER		
	< Back Finish Cance	!

**Step 7.** After completing the installation two shortcut icons will appear on your desktop.



If you would like to start with creating a new card layout click on the "BadgeMaker Design" icon:



If you would like to start with adding card data click on the "BadgeMaker Identity" icon:

Before you will be able to start you will need to register first.





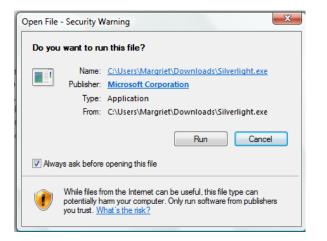
### Installing Silverlight

Please be sure to install Silverlight before installing Badgemaker. Microsoft Silverlight is needed to be able to work with BadgeMaker. Please follow the Silverlight installation instructions if you do not have Silverlight installed on your computer.

**Step 1.** Download the installer from Microsoft Silverlight. Click on the "Save File" button to download the installer into a folder(usually "Downloads") on your computer.



Step 2. Run the Installer by clicking on the "Run" button.







**Step 3.** The install window pops up. Click on the "Install now" button.



**Step 4.** Silverlight is being installed on your computer.



**Step 5.** Installation Successful. Click on the "Close" button to start making designs in BadgeMaker.







## Registration

At the first start-up of BadgeMaker Design or Identity a register window will pop-up so you can register your BadgeMaker.

Register BadgeMaker Identity	×
Registration	
Welcome to BadgeMaker Identity. Please choos options:	se one of the following registration
Online registration	Offline registration
Purchase	Exit Next

Fig. Example of the BadgeMaker register window.

Register BadgeMaker Ide	entity	×
Online regis	stration	
Enter or paste you	r license key exactly as you received it:	
License key:		
Use proxy		
Purchase	<b>Back</b> R	egister

Fig. Example of the BadgeMaker online registration license key window.

✓ Use proxy					
Proxy url: p	oroxy-server-url.co	om			
Username:	user	Password:	pass	Domain:	domain

A. The first question will be about online or offline registration. Select the one that is applicable to the license you bought.

Most of the licenses will be for online registration. No access to the internet to activate your license keys? We offer offline license keys. You can request your local reseller for offline license keys.

#### **B.** Online Registration

You will be requested to enter a License Key. The License key will be provided by our License Manager. Click on the "Purchase" button to get your License Key or visit: http://licensemanager.badgemaker.info

The License Key must be entered (copy-paste) and when the key is valid the software will start. Next time the software will not require the License Key to be entered.

Test keys can have a time restriction and may expire on a given date. (View the License Manager User Guide for more information on License Keys).

Check the "Use Proxy" box and enter the information needed to connect through a Proxy server in your network.





Register badgemaker IDENT	ПҮ		×
Offline registr	ation		
Enter or paste your lic	ense key exactly as you received it:		
Hardware code:	vrP+aa5fiF7PR3Is7+qaEo7moFs=		
License key:			
Purchase		Back	Register

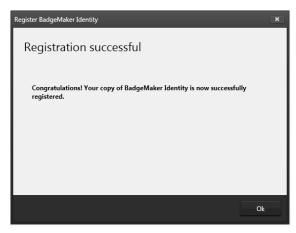
#### C. Offline Registration

You will be requested to enter a License Key. The License key will be provided by our License Manager. Click on the "Purchase" button to get your License Key or visit:

http://licensemanager.badgemaker.info

An offline license key requires a hardware code. The Badgemaker offline key registration window provides this. You can copy and paste it in the requested area in the License Manager. With the use of the Hardware code the License Manager provides an offline license key. The License Key must be entered (copy-paste) and when the key is valid the software will start. Next time the software will not require the License Key to be entered.

Test keys can have a time restriction and may expire on a given date. (View the License Manager User Guide for more information on License Keys).



*Fig. Example of a successful online registration of BadgeMaker.* 

C. When you copy-paste the correct key you will see that the registration is successful. Click the "Ok" button to start working with BadgeMaker.







# **USERS GUIDE**

**BADGEMAKER DESIGN** 

2014 October Users Guide V1.4 BadgeMaker Design V1.3



BadgeMaker Design makes the elaborate card design process as easy, fast and intuitive as possible. Accommodating the users in your organization that are set with the task of designing your ID-cards. Using



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a user friendly overview that shows all the tools and is easy to navigate.

#### Window navigation

The window navigation give the option to A. minimize, B. maximize or C. close.



Main Menu The main menu offers the options: "File", "Edit", "View" and "Help"

File Edit View Help

The main menu offers the designer 4 sub-menus:

#### A. File

The first button offers the main functions needed to start, use, save and end BadgeMaker Design:

- <u>New Card design:</u> Create a blank new layout for your ID-card.

- <u>Open Card design:</u> Open an existing card design that you would like to adjust.

- <u>Import BadgeCreator design:</u> Import your old designs created in BadgeCreator.

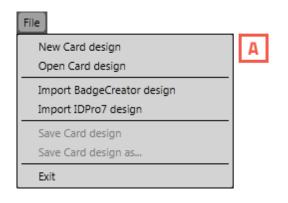
- <u>Import IDPro7 design</u> Import your old designs created in IDPro7.

- <u>Save Card design:</u> To save a Card Design click on this link or use the short cut CTRL + S.

#### - Save Card design as..:

To save a Card Design under another name click on this link. It is also a simple way to create a duplicate of your design.

<u>Exit:</u>
 This button will let you exit BadgeMaker Design.







#### **B. Edit Menu**

The second button will offer all the edit functions that you use during the design process:

#### <u>- Undo:</u>

This button will let you undo previous design steps. You can use the short cut CTRL+Z.

#### - <u>Redo:</u>

This button will let you redo steps you undid.

#### - <u>Cut:</u>

To relocate an object(image, text, placeholder) on the canvas use the cut button. You can use the short cut CTRL + X.

#### - <u>Copy:</u>

To copy an object(image, text, placeholder) on the canvas use the copy button. You can use the short cut CTRL + C.

#### - Paste:

To paste a copied or cut object(image, text, placeholder) on the canvas use the cut button. You can use the short cut CTRL + V.

#### C. View Menu

The third button give you control over the BadgeMaker window view, making it able to make these windows visible or invisible:

- Card Design
- Card Layers
- Properties

#### D. Help Menu

The Help button offers information about BadgeMaker Design and offers an users guide.

- View Help
- About BadgeMaker Design
- License Information

Help		
Vie	w Help	D
Ab	out BadgeMaker Design	
Lic	ense information	









### Quick Menu

The Quick Menu offers the buttons most used directly clickable. Making main navigation fast.



#### A. Create new Card design

Click on this button to start a new Card design.

#### B. Open existing Card design

Click on this button to open an existing Card design.

#### C. Save

It is important to save your layout while designing. Click this button to save quickly.

#### D. Save as

If you want to save your design under another name click this button.

#### E. Undo

This button give you the options to undo design steps you made.

#### F. Redo

This button give you the options to redo design steps you made.

#### G. Cut

If you want to place an image somewhere else you can use this button to replace the image. Just click the item you want to replace click on the cut button and then click on the paste button to place it somewhere else.

#### Н. Сору

To copy objects click on the object then click on the copy button. The object is now ready to be paste anywhere on the front or back design canvas.

#### I. Paste

If you cut or copied an object and you want to paste it on the front or the back.





#### J. Show/hide grid

This button will make the grid visible or invisible.

Recent View Help	O BadgeMaker Design		- 0 ×
Card Design 5       Card Design 5         Card Layers       Card Layers         Card Layers       Card Layers         Card Design 6       Card Layers         Card Design 7       Card Design 7         Card Design 7	File Edit View Help		
Card Design * Card Layers * Card Layers * Card Layers * Element Properties * Element Properties * Element Properties * Card Layers * Card Laye	🖿 🖶 🗟   🤊 ぐ   🛛	8 🗄 🗱 🏟 📰 🛋 100 % 🖬 📖	
Card Layers	Example Card Design 5		
Card Layers	Q	Card Design	•
Aa Partinet Pa			-
Aa Company of the second seco			-
Image: Section of the last of the l	Aa		
Image: Control of the control of th			
		(employee_no) (department)	
Service complexes leader (in a low from the leader to Low shows that a complexe leader to provi Registrice Cooper 1 per shows in the leader to the leader to provide the leader to provide			
Segurate Garge Layer of the "Market Barger and any and any and any and any any and any			
dreate your own, professionel cerd designs that include Besterstunds, gurrenic fields		Cano designa are based on a new format that ensures a 11 transition from design to print.	
		create your own, professional card designs, that include techniques duramic fields	
		propes end meges in a legel developing usere able to create a library of designs and manage the distribution of a creat besign to becoperiment bently projects.	
{valid_date}		{valid_date}	

#### K. Settings

Settings	×
Enable grid:	V
Grid granularity:	5 mm 💌
Language:	English
Project path:	pData\Local\ScreenCheck\CardDesigner\Projects
	OK Cancel

The open settings button give you a couple of options:

- 1. You can check or uncheck the enable grid checkbox to enable or disable the grid.
- 2. You can determine the scale of the grid.
- 3. You can set the language used in the designer. Languages supported: *English* The rest of the languages will be supported in the near future.
- 4. Determine your own project path, where you would like to open and save your designs.
- 5. To confirm settings click "OK"
- 6. To cancel settings click "Cancel"
- 7. To exit settings click "X"





#### L. Show front and back designers

Click here if you want to view the canvases for the front and back side of the layout.

#### M. Show front designer only

Click here if you want to only view the canvas for the front side of the layout.

#### N. Show back designer only

Click here if you want to only view the canvas for back side of the layout.

#### O. Scale slider

Use this slider to zoom the canvas view in or out.

#### P. BadgeMaker Identity

This Quick button let's you open BadgeMaker Identity and continue with your card production process.





### Interface



- A. Main menu
- B. Window menu
- C. Quick menu
- D. Toolbar
- E. Workspace/Canvas Front
- F. Workspace/Canvas Back
- H. Card Design: Preview/Card Settings/Dynamic Data Fields
- I. Card Layers
- J. Element Properties





### Create a Card

To create a card design you can start a new design or open an existing design.

#### New Card Design

When clicking on the new card design link or button a setup window will pop-up.

nrd design	_	_	_	
Name:				()
Preset: ID-1 / CR			Ŧ	)—
	Width: Size: 85.6	Height: Unit		
Card configura	tion			
D Single sided		E Magstripe		
Ribbon type	Orientation F	Ribbon type	Orientation	
💿 📀 Color	<ul> <li>Landscape</li> </ul>	💿 🎅 Color	<ul> <li>Landscape</li> </ul>	
🔘 🌑 Mono	O Portrait	🔘 🌑 Mono	O Portrait	
			Ok	Ca

Fig. Example of new card design setup window.

A. Enter the name for the layout. The exclamation mark at the end appears when the name is not filled out or the name already exists. The 'OK' button is not accessible until a unique name is given.

- B. The size of the Card can be chosen from a drop down.
- C. Define a custom size for your layout.
- D. Check this box if the design is single sided.
- E. If you want MAGstripe in your design check this box.
- F. Check the Ribbon type (color or mono) and the orientation of the design for the front.
- G. Check the Ribbon type (color or mono) and the orientation of the design for the back.





### Existing Card Design

To open an existing Project select the open project function. All available existing projects are displayed and you can select the layout for editing. You can open multiple layouts at the same time.

Card design name	Date modified	DS Bank
Example Card Design 1 Example Card Design 2 Example Card Design 3 Example Card Design 4	11/27/2013 2:17:48 PM 11/28/2013 10:06:19 AM 11/28/2013 10:06:19 AM 11/27/2013 2:00:27 PM	لتنجي
Example Card Design 5 Example Card Design 6	11/27/2013 2:55:36 PM 11/27/2013 4:17:11 PM	
Dimensions	ID-1 / CR80	
Size:	Width:         Height:         Units:         C           85.6         x         54         mm	

Fig. Example of the Open Card design popup window.

- A. Select one of the existing designs
- B. View the layout of the design selected
- C. Check out the properties and the setup of the front and back side.
- D. Open the selected design
- E. Cancel opening a design.
- F. Deleting a selected design.





### **Tool Menu**

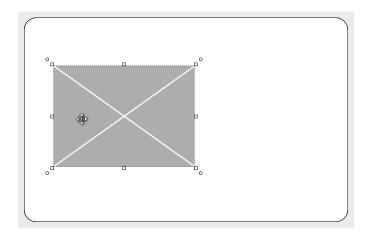
To create and edit a design you need to work with the toolbar setup on the left side. The tool bar offers the following functions:



	s m
-	10

#### A. Select/move tool

This function is used to select an element. This tool also allows you to move an element in the layout. When an element is selected the move icon appears an can be used to move the element.



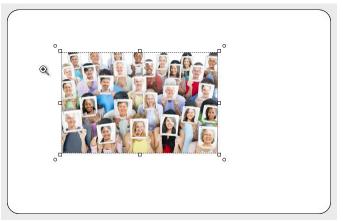






#### **B. Zoom tool**

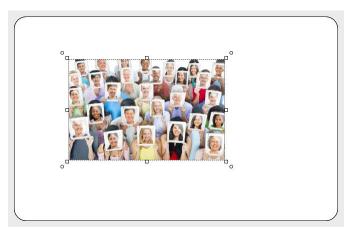
The zoom function is enabled and will zoom the layout. At a click of the mouse the zoom is increased one step.





#### C. Image tool

The image element is used to place an image element in the layout.



Aa

#### D. Text tool

The text element can be used for static and dynamic text. Use the Text Element properties to edit and add text and or dynamic text to the box. By clicking on the element and going to Element properties you get the text editor.

enter text here		

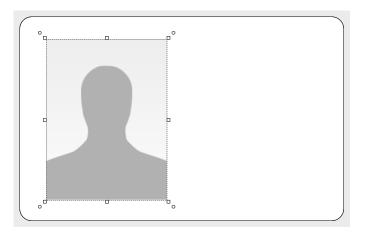






#### E. Passport Photo tool

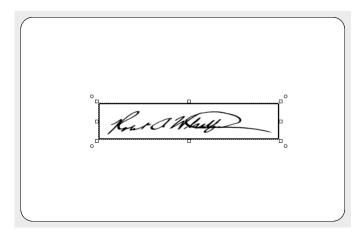
The Photo element is used to place a placeholder for the Passport Photo on the layout. You will be able to scale within proportions. When the design is used and connected to data in for example BM Identity the placeholder will replace the dummy image with the real Passport Photo of that person.



		7
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#### F. Signature tool

The Signature element is used to place a placeholder for the signature on the layout. You will be able to scale within proportions. When the design is used and connected to data in for example BM Identity the placeholder will replace the dummy image with the real Signature of that person.

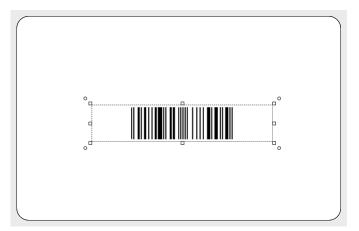






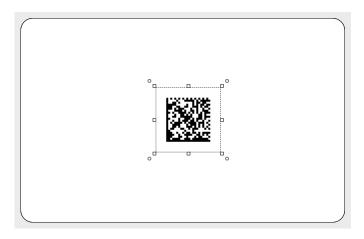
#### G. Barcode tool

The Barcode element is used to place a placeholder for a barcode on the layout. You will be able to scale within proportions. When the design is used and connected to data in Identity the placeholder will replace the dummy image with the real Barcode. There are different types of barcodes available to select in the element properties. Barcodes that are scaled to small might not work. Test your barcode in your design with the needed data before continuing the production process.



#### H. 2D Barcode tool

The 2D Barcode element is used to place a placeholder for a 2D barcode on the layout. You will be able to scale within proportions. When the design is used and connected to data in BadgeMaker Identity, the placeholder will replace the dummy image with the real 2D Barcode. There are different types of 2D barcodes available to select in the element properties.

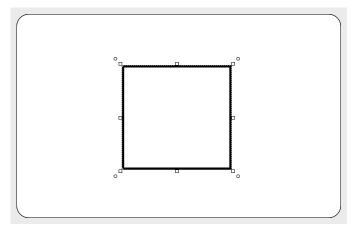






#### I. Square tool

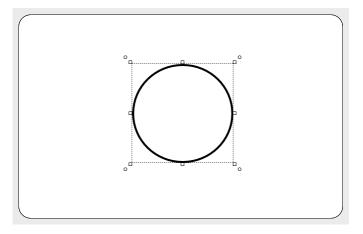
The rectangular element can be used for frames and boxes in the layout.





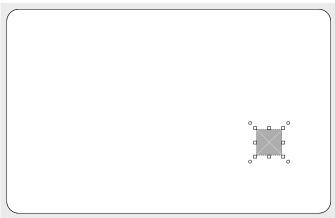
#### J. Circle tool

The circle element is used for elements like circles and ellipsoids.



#### K. Dynamic logo tool

The Dynamic logo element is used to place a placeholder for a dynamic logo on the layout. You will be able to scale within proportions. When the design is used and connected to data in for example BadgeMaker Identity the placeholder will replace the dummy image with one of the Dynamic logo. For more explanation on the dynamic logo read <u>Dynamic Logo</u> <u>Elements</u>.

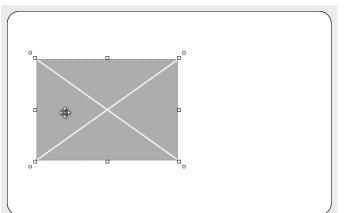






### Canvas front and back

The front and back canvas can be used to place, edit, move elements. When an element is selected the size of the element can be changed using the arrows/squares at the corners of the elements. The element can also be rotated using the circles at the corner of the elements.



Increase / decrease the width or height of an element. The arrow appears when the mouse is hovered to the edge of the element.

The height and width of the element can be changed at the same time. The arrow appears when the mouse is hovered to one of the corners of the element.

*Fig. Example of an image element placed on the front card canvas.* 

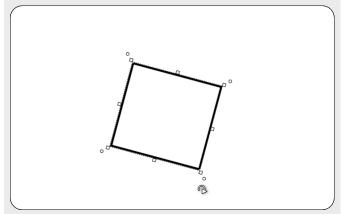


Fig. Example of a rotated shape element placed on the back card canvas.

The orientation of the element can be rotated when the arrow appears. The arrow appears when the mouse is hovered just outside one of the corners of the element.





### Card Design Menu

The Card Design window presents three tabs: Preview, Card Settings and Dynamic Fields.

#### 1. Preview

The Preview allows the user a view on the card in single view mode of the card; when clicking on the preview it will toggle from front to back.



Fig. Example of the Preview in the Card Design Menu.

### 2. Card Settings

The Card Settings tab offers the user information on the Card Design properties. It is possible to change or edit the configuration, however the elements placed are not affected.

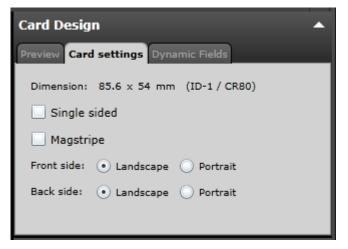


Fig. Example of the Card Settings tab in the Card Design Menu.





### 3. Dynamic Fields

The tab 'Dynamic Fields' will give the user a list of the dynamic fields in the layout. When a text element is created and the text string has a name in between curly brackets, the BadgeMaker Design will detect this as a dynamic field name and it will be added to the list of Dynamic fields automatically.

The user can delete, change and edit the field names and also enter values to be used in preview. It can be tested for long and short names how they will show up in the preview.

Card Design				
Preview Card	settings Dynamic	Fields		
Name	Default value	Format		
first_name		Text: Capitalized	•	
last_name		Text: Capitalized	•	
employee_no		Text: lowercase	•	
department		Text: Capitalized	•	
valid_date		Date: MM-dd-yyyy	•	
country			•	
barcode		Default	•	×
В	С	D		Ε
+ A				

A. Add a new dynamic field to the list by clicking on the "+" button.

- B. List of dynamic fields names
- C. Default value of the fields

D. Format name, during the setup of a new data field you will place the data field name that needs to be connected in between the curly brackets as the format name.

E. Click on the "x" button to delete a dynamic field.





## Card Layers Menu

The Card Layers menu can be used to 'order' the sequence of the elements. The position of the elements in the list from top to bottom defines the position on the card from the front to the back.

Card Layers	•
Front Back	
Aa Text	<u></u>
Aa Text	<b>≙ ③</b>
Passport photo	۵ 🗎
Passport photo	
Rectangle	
Rectangle	<b>≙ ③</b>
Image	

- A. Front design layers
- B. Back design layers
- C. Every type of layer has its own icon.
- D. Each element has function icons for:
- Making the selected layer visible or invisible.
- Locking or unlocking the selected layer. When a layer is locked you will not be able to select or edit that element on the canvas.

Fig. Example of the Card layers menu.

The user can drag an A. element in the list and the new order will be B. reflected in the design:



Fig. The Rectangle element/layer in front and above the passport photo element.





Fig. The Rectangle element/layer was dragged down in the list showing the image moved back in the canvas view.





# **Element Properties Menu**

The element properties window has three tabs: Element edit, Element position tab and Element style tab.

Depending on the type of element, this tab will allow the user to view and/or edit the information of the element. When the values are changed they are reflected immediately in the design; there is no need to hit an enter button. The user can make changes in one window and observe the result in the other window at the same time and vice versa. It depends on the preference of the user to create the layout in a graphical environment or a data element environment.

### **Element Properties**

Element Prop	_
Font: Calibri	
Text color:	G first_name
Text:	{first_name}

Fig. Example of the Text element properties

#### Text element

- A. Change Font
- B. Change Size
- C. Edit style into **bold**, *italic* and <u>underlined</u>.
- D. Outline the text left, center or right
- E. Align the text to top, center or bottom of the box.
- F. Wrap text automatically or let text be cut of when being too long.
- G. Give the text color by clicking on the color box.

H. Choose to add a dynamic field to the text box below by selecting one out of the drop down menu and clicking on the "Add" button.

I. Enter all you text here.

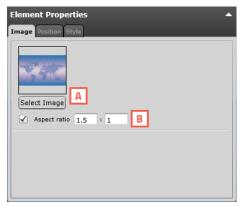


Fig. Example of the Image element properties

#### Image element

A. Select an image from your computer by clicking on the "..." button.

B. Choose to bind the ratio

C. Select an image that already has been uploaded into BM design.





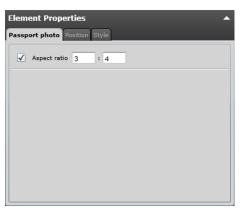


Fig. Example of the Passport Photo element properties

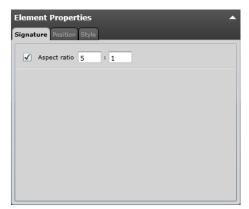


Fig. Example of the Signature element properties

Element Properties
Barcode Position Style
✓ Aspect ratio 5 : 1 A
Barcode type: Code 3 of 9 TError checking: None
Show label: D
Dynamic field: barcode
Value: {barcode}

*Fig. Example of the barcode setup of a element properties.* 

#### **Passport Photo element**

A. Check box to bind the element to a certain ratio.

#### Signature element

A. Check box to bind the element to a certain ratio.

#### **Barcode element**

A. Check box to bind the element to a certain ratio

B. Choose a barcode type by clicking on the drop down box and selecting the needed option available.

C. Select a form of error checking from this list to ensure a correct working barcode.

D. If you want the barcode to show a label with the real data check the show label check box.

E. Select the dynamic field that you want the barcode to reflect, click the "Add" button to add the dynamic field to the value. You can also type in a value for the barcode.

F. Enter a default value or combine it with a dynamic field.





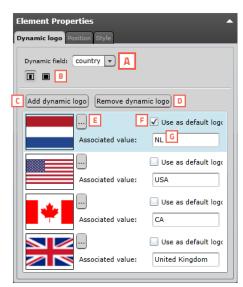


Fig. Example of the dynamic logo setup element properties.

C
C
C

*Fig. Example of the MAGstripe setup element properties.* 

#### Dynamic logo element

A. Select the dynamic field that you want the Dynamic logo to reflect.

B. Select if you want the logo to be the correct ratio or if you want it to fill the whole field.

C. Click on this button to add the dynamic logo.

D. When you want to delete a dynamic logo select the logo you want to delete first and then click on the "Remove dynamic logo" button.

E. Select an image for you dynamic logo by clicking on this button.

F. Check the default box if you want this image to show up as the default dynamic logo image.

G. If you want to add a value to your Dynamic Logo enter the data into this field.

#### **MAGstripe element**

A. Select a field from the dropdown menu that you would like to add as dynamic data to one of the three tracks of the MAGstripe.

B. The MAGstripe allows you to encode three track to the card with certain data. The fields will give you feedback when data entered is not correct.

Track 1: Allows you to add 76 characters, A-Z (Capital), 0-9 and certain symbols. Track 2: Allows you to add 37 numeric characters . 0-9

Track 3: Allows you to add 104 numeric characters. 0-9

C. Click on this button to add the dynamic field selected in the dropdown menu.

D. Click the LRC (longitudinal redundancy check) box to add an additional character which helps to validate your data.



# 🏀 **BADGEMAKER** USER GUIDE

### Position

Position:     A     Dimension:     B       X:     19.3     Width:     86       Y:     45     Height:     114.7
Y:         45         Height:         114.7         J           Margin:         D
Left: 0 Top: 0 Right: 0 Bottom: 0
Left: 0 Top: 0 Right: 0 Bottom: 0

Fig. Example of the position setup of a element.

Style

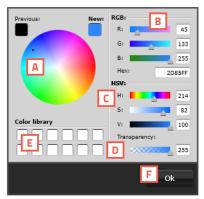


Fig. Example of the Color popup menu

ssport photo	Position Style	2	
Border:	A	_	
Thickness:	0	Color:	
Corner radiu	ıs: 0	Style:	
Background	color:		

Fig. Example of the style tab



A. Determine the position of the used element.

B. Scale your element giving a width or a height. Check the check-box to keep the element proportion the same as the original.

C. Rotate the element by entering an angle number from 0 to 360.

D. Give your element margins to give your the element needs margin space around.

Choose a color for the line or the background using the color window. You can use:

- A. the color picker
- B. RGB sliders
- C. HSV sliders
- D. Add Transparency

E. Color library using saved colors that you can drag into the library.

F. Click on "Ok" when you selected the correct color.

A. You can change the thickness of the line, its color or style and the

B. background color of an element.





# **USERS GUIDE**

BADGEMAKER IDENTITY

2014 October Users Guide V1.4 BadgeMaker Design V1.3



2015 February| Users Guide V1.3.2 | BadgeMaker V1.3.2 www.badgemaker.info



# Navigation

BadgeMaker Identity makes the elaborate card design process as easy, fast and intuitive as possible. Accommodating the users in your organization that are set with the task managing data and printing cards. Using an user friendly overview that shows all the tools and is easy to navigate.

### Window navigation

The window navigation give the option to A. minimize, B. maximize or C. close.



#### Main Menu

The main menu offers the options: File, Edit, Record, Options, View and Help

File	Edit	Record	<u>O</u> ptions	Views	Help
			_		

Which contain 6 submenus:

File			
D	New	Ctrl+Shift+N	Α
	Open	Ctrl+Shift+O	
$\bowtie$	Close Project	Ctrl+Shift+C	
Ŀ	Import Data	Ctrl+Shift+I	
2	Import Photo		
Ŀ	Export project dat	ta Ctrl+Shift+E	
é	Print		
	Print with	Ctrl+Shift+P	
×	Exit	Alt+F4	
<u>E</u> dit			-
5	<u>U</u> ndo	Ctrl+Z	
¢	<u>R</u> edo	Ctrl+Y	
•	Project <u>S</u> ettings		

#### A. File

The first button offers the main functions needed to start, use, manage and end a BadgeMaker Identity Project:

- New
- Open
- Close Project
- Import Data
- Import Photo
- Export project data
- Print
- Print with...
- Exit

#### **B. Edit Menu**

The second button will offer the edit functions and project settings that you use during the data managing process:

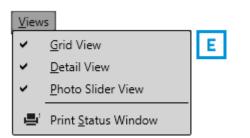
- Undo
- Redo
- Project Settings





<u>R</u> eco	rd	
Ē	<u>A</u> dd new record	С
6	Delete selected record	

<u>O</u> ptio	ons	
*	Configuration Ctrl+Shift+Y	D



View Manual	F
ScreenCheck on the web	
License information	
i <u>A</u> bout	

#### C. Record Menu

The third button give you control over the records being able to add new records or delete existing records.

- Add new record
- Delete selected record

#### D. Options Menu

The Options menu brings you to the configurations of the application like date and language settings.

- Configuration

#### E. Views menu

The Views menu makes it possible to make certain views in the main window visible or invisible.

- Grid View
- Detail View
- Photo Slider View
- Print Status Window

#### F. Help menu

For more information on the application or an users guide click on the Help button.

- View Manual
- ScreenCheck on the web
- License information
- About





### Quick Menu

The Quick Menu offers the buttons most used directly clickable. Making main navigation fast.



#### A. New

Click on this button to start a new Project.

#### **B. Open existing Project**

Click on this button to open an existing Card design.

#### C. Undo

This button gives you the options to undo processing steps you made.

#### D. Redo

This button give you the options to redo processing steps you made.

#### E. Add a new record

This button give you the options to add a new record to the data grid. This means putting in new information, adding a photo and if needed adding a signature.

#### F. Delete a selected record

This button give you the options to delete a record from the data grid.





#### G. Print all selected records

Print all selected records using the most recently used printer and settings. To print one or more records, select them and click this button to print the records using the most recently used printer and print settings. On first-time use, the printer dialogue will be displayed.

 A print window pops up so you can select the printer you installed for the card printing process. This manual does not describe the installation of printers. Please refer to the manufacturers manuals for further information on these devices. After you select the printer you click on the "Print" button.

-	Print ×
General	
Status: Ready Location: Comment:	Preferences Find Printer
Page Range All C Selection C C C Pages:	urrent Page
	1 Print Cancel Apply

Fig. Example printer setup window.

2. A print progress window will pop-up that will show you the progress of the cards that are being printed.

Card printing progress				
Name		Printer	Status	Progress
Example Card Design	Po	laroid P5500		3
	Tota	l progress:		
	Pause All	Resume	All Cancel A	All <b>Hide</b>

Fig. Example of the Card printing progress window.





#### H. Filter records

When having a lot of data in your data grid this button will be helpful giving you all kinds of different filter options to search for specific groups or a certain person. You can add multiple filter sets. Every filter set can have one or more filter rules. You can combine one or more filter sets to make your search more specific.

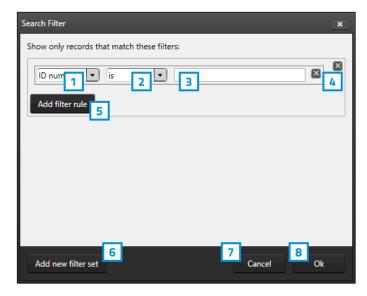


Fig. Example of the filter options window that popup after clicking the filter button in the Quick menu.

- 1. To setup a filter rule start with selecting one of the fields that you want to search in. This will narrow a search and make it faster.
- 2. After selecting the field you need to select how specific you want to match the field with the input that you will put into field 3. If very specific choose "is", if you do not want it to be to specific you can choose "Starts with"
- 3. Put in the information you are looking for depending on if a search is specific or needs to be a group. For example you could put in a complete index number to find a certain person or just the start of a number.
- 4. The "X" buttons are to delete a filter rule or a filter set.
- 5. Click on this button to add a new filter rule to this filter set to narrow your search.
- 6. Click on this button when you want to add a new filter set. Example: You use a filter set when searching for two different type of records and need to add a separate search.
- 7. Cancel filter option.
- 8. To start the search/filter process click on the "Ok" button.

#### I. BadgeMaker Design

This quick menu button let's you open BadgeMaker Design and continue with creating or adjusting your card design.

#### J. Refresh Data

This button allows you to refresh data when working with BadgeMaker Connect projects making sure all data is up to date with the connected data bases.





# Interface

The dashboard of the BadgeMaker Identity offers the following sections:



Fig. Example of the BadgeMaker IDENTITY dashboard overview

- A. Main menu
- B. Window menu
- C. Quick menu
- D. Grid View
- E. Detail View
- F. Photo Slider View
- G. Layout gallery and layout preview
- H. Photo and Signature preview





# **Creating a Project**

To setup a Identity project you can start setting up a new project or open an existing one.

### New Project

When clicking on the "New" link or button a setup window will pop-up. You can select one of the five options to start a new project.

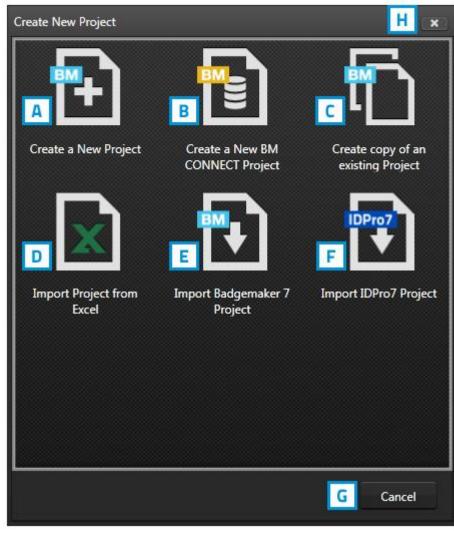


Fig. Example of the Create New Project window.

- H. Close the pop-up with this button.
- G. To cancel a new project click on the "Cancel" button





### A. Create a New Project

Click on Create a New Project if you want to start with a blank data grid and setup your own field names.

Create New Projec	t				×
1 Project Data Fields	Project Da	ta Field	5		
2	Project name Untitled Proje	ect A			
Creating project	Name	Data Type	Required Uniqu	ue Default	
	X Name B	Text		) ( <b>E</b>	
	X Id number	Number -		G	
	F				
					~
	Add New Data Field				
			Previous	Next 📘	Cancel

Fig. Example of step 1. New project: add Project Data Fields

#### 1. Project Data Fields

Step 1. is to add the project data fields.

- A. Type in the name for your new project.
- B. Put in the data field name
- C. Set the data type. Select if the data are number or text for example.
- D. Select if the field needs to be Required.
- E. With the default input field you can add a standard value to your data field, existing empty
- fields and new records will automatically get the default value you add to this data field.
- F. Enable auto-increment
- G. Select if the field needs to be Unique.
- H. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project.
- I. Click on the "Next" button to go to step 2. and create your new project.





#### 2. Creating project

During step 2. the application will start creating your new project.

If there are no problems click on the A. "Finish" button. If there are problems read the feedback provided and click on the B. "Previous" button to go back and make the needed adjustments to your data field names and their configuration. You are now ready to start adding records to your data grid.

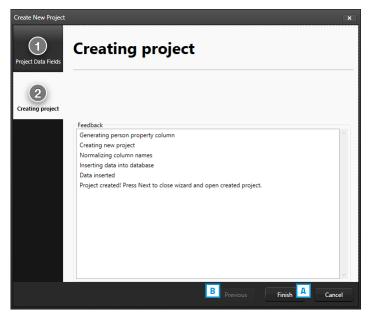


Fig. Example of step 2. New project: Creating project.





### B. Create a New BadgeMaker Connect Project

To create a new BadgeMaker Connect project you need the Connect Add-On. Please read the BadgeMaker Connect Chapter (page 89.) for more information.





C. Create copy of an existing Project

Create New Projec	t from Existing Project	×
Copy Existing Project	Copy Existing Project	
	Existing Projects	
	Project Name	Date modified
	Example project 1	12/9/2013 1:32:07 PM
	New Project Name Example project 2	
	With data     Structure only	
	Previous	Finish D Cancel

Fig. Example of step 2. New project: Copy existing project.

#### 1. Copy Existing Project

A. Select an existing project from the list presented.

B. Give the project a new name.

C. Select if you want the copy with data or structure only. Select structure only if you only want the data field setup and not the content of the previous project.

D. Click on the "Finish" button to start this new project.





## D. Import Project from Excel

#### 1. Data source

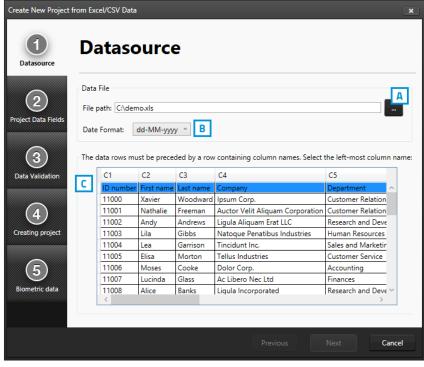


Fig. Example of step 1. New project imported from excel file: Data source.

- A. Click on this button and select the Excel/CSV file you want to import from to create a new project.
- B. Select the correct date format you want to use from the drop down menu.
- C. Select the first row that contains the data field names.
- D. Click on the "Next" button to continue to second step.





#### 2. Project Data Fields

Create New Project	from Excel/CSV Data Project	Data Fie	lds				×
2	Project name Demo	A					
Project Data Fields	Name	Data Type	e F	Required	Unique	Default	
3	X ID number Enable auto-ii	B Number	<b>C</b> 🖵		<b>√</b> E		F
Data Validation	X First name	Text	•	✓			
	X Last name	Text	•	<b>v</b>			
4	X Company	Text	•				
Creating project	X Department	Text	•				
(5)	X Street Address	Text	•				
Biometric data	X Postal / Zip	Text	•				~
	Add New Data Field	G					
			F	Previous	Ne	ext H	Cancel

A. Type in the new name for your new project.

B. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project or adjust the existing names.

C. Set the data type. Select if the data are number or text for example.The following types of database fields are supported:

Fig. Example of step 2. New project: Project data fields.

- Text
- Number

When selecting this type you can select 'auto-increment'. When a new record is created the number will be the highest number in the Project increased by 1

- Decimal
- List

When this type is selected you can add and delete the list values form the list that is presented for this database field when a value must be entered

- Date
- Email address
- Phone number
- D. Select if the field needs to be Required.
- E. Select if the field needs to be Unique.

F. With the default input field you can add a standard value to your data field, existing empty fields and new records will automatically get the default value you add to this data field.

G. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project.

H. Click on the "Next" button to go to step 3.





#### 3. Data Validation

Create New Project	from Excel/CSV Data
1 Datasource	Data Validation
	Verifying data against requirements specified in the previous step.
2 Project Data Fields	Stop Reload Data & Validate Again
	Validation log:
3	Checking for duplicate data field mappings
Data Validation	Validating column types
Data Validation	Validating ID number type
	Validating First name type
	Validating Last name type
4	Validating Company type
Creating project	Validating Department type Validating Street Address type
	Validating Postal / Zip type
	Validating City type
(5)	Validating Region type
Biometric data	Validating Country type
biometric data	Validating Email type
	Validating Phone type
	Previous Next B Cancel

Fig. Example of step 3. New project: Data Validation.

- A. This step runs a data validation to verify data against requirements specified in the previous step.
- B. Click on this button to go to step 4.





#### 4. Creating Project

A. Step 4 will create the new project imported from an excel file. As soon as the loading bar is done you will be able to B. click on the "Next" button.

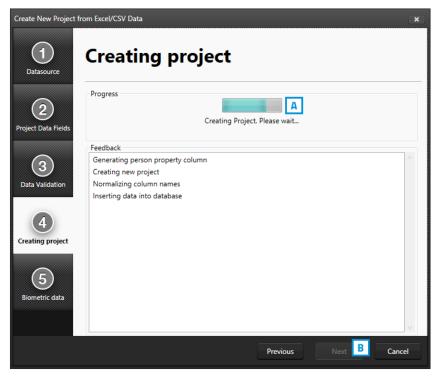


Fig. Example of step 4. New project: Creating project.





#### 5. Biometric data

At step 5. you have the option to also import passport photo's or signature images.

Create New Project	from Excel/CSV Data
1 Datasource	Biometric data
2 Project Data Fields	Folders Passport folder:
3 Data Validation	Signature folder:
4 Creating project	Mapping Fields Passport Signature
5 Biometric data	Import images:
	Previous Finish F

Fig. Example of step 5. New project: Biometric data.

A. Click on this button and select the passport photo folder you want to import from. The photo's need to have a unique name that can be connected to one of the unique fields.

B. Click on this button and select the signature folder you want to import from. The images need to have a unique name that can be connected to one of the unique fields.

- C. Select the data field that contains the unique data similar to the photo's names.
- D. Select the data field that contains the unique data similar to the signatures names.
- E. Click on this button to import the Passport and/or the Signature images.
- F. Click on the Finish button when you are done or do not jet want to import images.





- E. New Project from BadgeMaker 7 Project
- 1. Select BadgeMaker 7 Project

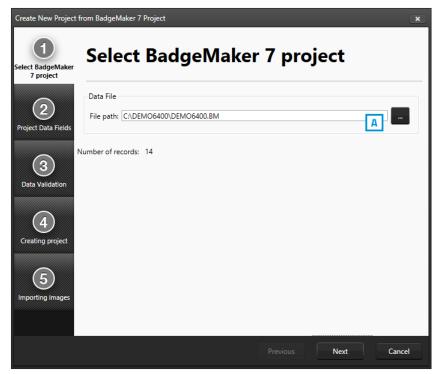


Fig. Example of step 1. New project: Select BadgeMaker 7 Project

A. Click on this button to select the BadgeMaker 7 project from your computer.





#### 2. Project Data Fields

2	Project name DEMO	6400 A					
ect Data Fields	Name	Data Type		Required	Unique	Default	
$\bigcirc$	X IDnumber B	Text	•				F
3 ta Validation	X Firstname	Text	•				
	X Surname	Text	•				
(4)	X Layout	Text	•				
ating project	X Function	Text	•				
~	X PlaceOfBirth	Text	•				
(5)	X Email	Text	•				

Fig. Example of step 2. New project: Project Data Fields

A. Type in the new name for your new project.

B. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project or adjust the existing names.

C. Set the data type. Select if the data are number or text for example.

The following types of database fields are supported:

- Text
- Number

When selecting this type you can select 'auto-increment'. When a new record is created the number will be the highest number in the Project increased by 1

- Decimal

- List

When this type is selected you can add and delete the list values form the list that is presented for this database field when a value must be entered

- Date
- Email address
- Phone number

D. Select if the field needs to be Required.

E. Select if the field needs to be Unique.

F. With the default input field you can add a standard value to your data field, existing empty fields and new records will automatically get the default value you add to this data field.

G. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project.

H. Click on the "Next" button to go to step 3.





#### 3. Data Validation

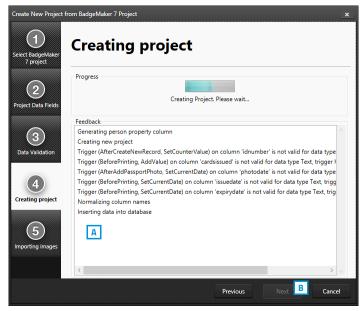
ifying data against requirements specified in the previo		
	ous step.	
Stop	eload Data & Validate Again	
alidation log:		
Checking for duplicate data field mappings		^
/alidating column types		
/alidating IDnumber type		
/alidating Firstname type		
2		
2 21		
/alidating Cardsissued type		
	Stop         Re           Validation log:         Checking for duplicate data field mappings           Validating column types         A           Validating IDnumber type         Validating Firstname type           Validating Surname type         Validating Layout type           Validating Layout type         Validating PlaceOfBirth type           Validating DaceOfBirth type         Validating Layout type           Validating CardSerialNo type         Validating CardSerialNo type           Validating CardSerialNo type         Validating CardSerialNo type	Validation log: Checking for duplicate data field mappings Validating column types Validating Dnumber type Validating Firstname type Validating Surname type Validating Layout type Validating PlaceOfBirth type Validating Email type Validating Phonenumber type Validating otype Validating CardSerialNo type

A. This step runs a data validation to verify data against requirements specified in the previous step.

B. Click on this button to go to step 4.

Fig. Example of step 3. New project: Data Validation.

#### 4. Creating project



A. Step 4 will create the new project
imported from an excel file. As soon as the
loading bar is done you will be able to
B. click on the "Next" button.

Fig. Example of step 4. New project: Creating project.





#### 5. Importing images

Create New Project	t from BadgeMaker 7 Project	ŧ			×
1 Select BadgeMaker 7 project	Importin	g images			
2 Project Data Fields	Importing images:				
3 Data Validation					
4 Creating project					
5 Importing images					
			Previous	Finish	Cancel

Fig. Example of step 5 New project: Importing images

Step 5. Processes the importing of the images. You can follow the progress by looking at the loading bar. When the process is done you can click on the "Finish" button to start working in this new project.





- F. New Project from IDPro 7 Project
- 1. Select IDPro 7 Project

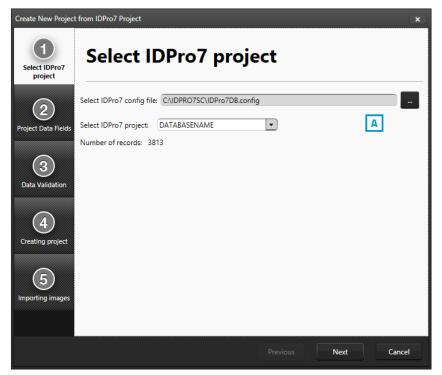


Fig. Example of step 1. New project: Select IDPro 7 Project

- A. Click on this button to select the IDPro 7 configuration file from your computer.
- B. Click on this button to select the IDPro 7 project from the drop down menu.





#### 2. Project Data Fields

project	Project name	ID Pro 7 Import						
oject Data Fields	Name		Data Type		Required	Unique	Default	
3	X ID Enable	B auto-increment	Number	J	VD		0	F
Data Validation	X Firstname		Text	•				
	X Lastname		Text	•				
4	X New Field D	escription	Text	•				
reating project	X Issue Date		Date	•			Select a di	ate 15
5 porting images	X No Issued.	auto-increment	Number	•			0	

Fig. Example of step 2. New project from ID Pro7: **Project Data Fields** 

A. Type in the new name for your new project.

B. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project or adjust the existing names.

C. Set the data type. Select if the data are number or text for example.

The following types of database fields are supported:

- Text

- Number

When selecting this type you can select 'auto-increment'. When a new record is created the number will be the highest number in the Project increased by 1

- Decimal
- List

When this type is selected you can add and delete the list values form the list that is presented for this database field when a value must be entered

- Date
- Email address
- Phone number
- D. Select if the field needs to be Required.
- E. Select if the field needs to be Unique.

F. With the default input field you can add a standard value to your data field, existing empty fields and new records will automatically get the default value you add to this data field.

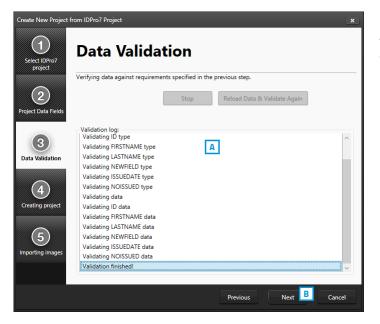
G. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your new project.

H. Click on the "Next" button to go to step 3.





#### 3. Data Validation



A. This step runs a data validation to verify data against requirements specified in the previous step.

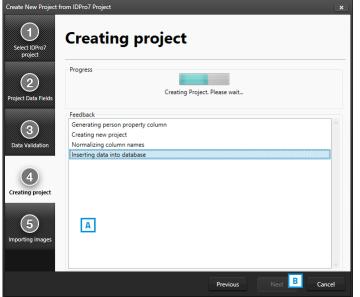
B. Click on this button to go to step 4.

A. Step 4 will create the new project imported from an excel file. As soon as the

loading bar is done you will be able to

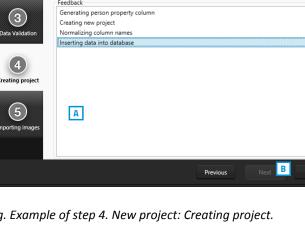
B. click on the "Next" button.

Fig. Example of step 3. New project: Data Validation.



#### 4. Creating project

Fig. Example of step 4. New project: Creating project.





#### 5. Importing images

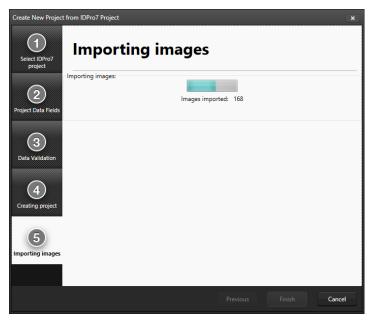


Fig. Example of step 5 New project: Importing images

Step 5. Processes the importing of the images. You can follow the progress by looking at the loading bar. When the process is done you can click on the "Finish" button to start working in this new project.





# **Open Project**

To open an existing Project select the "Open" link or button. All available existing projects are displayed and you are able to select the project that needs to be opened.

Project Name	Date modified
Example project 1	A 12/9/2013 1:32:07 PM

Fig. Example of the Open existing project popup window.

- A. Select one of the existing projects
- B. Click on the "Open" button.





# Import Data

You will be able to import data by using a Excel/CSV or BadgeMaker 7 file.

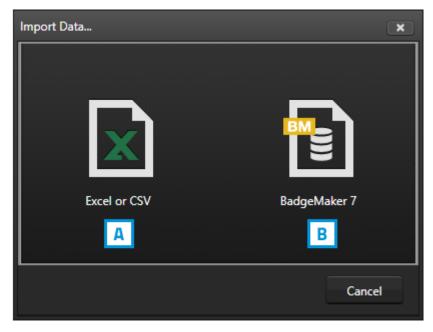


Fig. Example of the import data popup window.





### A. Import Excel or CSV data

#### 1. Datasource

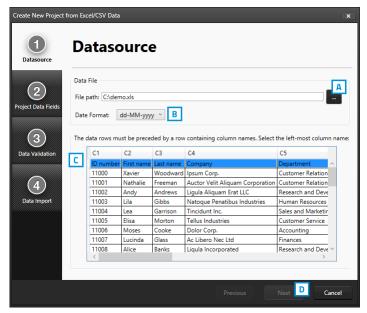


Fig. Example of the import data popup window.

- A. Click on this button and select the Excel/CVS file you want to import from to create a new project.
- B. Select the correct date format you want to use from the drop down menu.
- C. Select the first row that contains the data field names.
- D. Click on the "Next" button to continue to the second step.





#### 2. Project Data Fields

	Target column	Input colum Type	Constraint	List values	Default
2		- input coldin Type	Constraint	List values	Delault
t Data Fields	ID number	ID numb 💌 Number	Unique		
3)	First name	B First narr Text	Optional		
Validation	Last name	Last nam 💌 Text	Optional		
	Company	Compan 💌 Text	Optional		
4)	Department	Departm 💌 List	Optional	Customer Rela	
a Import	Street Address	Street Ac 💌 Text	Optional		
	Postal / Zip	Postal / 2 Text	Optional		

Fig. Example of the import Excel/CVS data popup window.

A. The Target column are the fields in your project where the data from the excel fields are imported into.

- B. Connect the correct excel fields by selecting them from the drop down menu.
- C. Select one of the fields of the excel data which uniquely identifies data in the data source.

#### 3. Validation

Step 3. is validating the data fields.

#### 4. Data import

Step 4. is processing the import of the Data. Click on the "Finish" button to start working with the imported data from your Excel file.





B. Import BadgeMaker 7 data

#### 1. Select BadgeMaker 7

Import Data from Ba	dgeMaker 7 Project					×
Select BadgeMaker 7 project	Select	BadgeN	/laker	7 proj	ject	
2 Project Data Fields	Data File File path: C:\DEI	MO6400\DEMO6400.E	BM			
3 Data Validation	Number of records:	14				
4 Data Import						
				Previous	Next	Cancel

Step 1. is to select a BadgeMaker 7 project from your computer.

*Fig. Example of the import BadgeMaker 7 data popup window* 

#### 2. Project Data Fields

Import Data from Select BadgeMaker 7 project	Project Data Fields								
2	Target column	Input colurr Type	Constraint	List values	Default				
Project Data Fields	ID number	Vumber				^			
3	First name	Number     Text	Unique Optional			-			
Data Validation	Last name	Text	Optional			-			
$\sim$	Company	Text	Optional			-			
(4)	Department	List	Optional	Customer Rela					
Data Import	Street Address	Text	Optional						
	Postal / Zip	Text	Optional						
	Select the column that t	uniquely identifies data in the dat	asource:	▼ Next	Cancel				

Step 2. is to make sure the correct data will be imported into the correct fields.

*Fig. Example of the import BadgeMaker 7 data popup window. Step 2.* 

#### 3. Validation

Step 3. is validating the data fields.





#### 4. Data import

Step 4. is processing the import of the Data. Click on the "Finish" button to start working with the imported data from the BadgeMaker 7 Project.

# **Import Photo**

At step 1. Biometric data you have the option to import passport photo's or signature images.

Import Photos & Si	gratures X
<b>1</b> Biometric data	Biometric data
	Folders Passport folder: Signature folder. B
	Signature folder:
	C D V
	Previous Finish F Cancel

Fig. Example of importing biometric data.

A. Click on this button and select the passport photo folder you want to import from. The photo's need to have a unique name that can be connected to one of the unique fields.

B. Click on this button and select the signature folder you want to import from. The images need to have a unique name that can be connected to one of the unique fields.

- C. Select the data field that contains the unique data similar to the photo's names.
- D. Select the data field that contains the unique data similar to the signatures names.
- E. Click on this button to import the Passport and/or the Signature images.
- F. Click on the Finish button when you are done.



# S BADGEMAKER USER GUIDE

# **Project Settings**

### A. Record Layout

At the first tab you are able to configure the layout of the detail view. The detail view is the view shown in the middle of the dashboard, giving you detailed information of a record.

Use the drop down menu's to select where you want to see certain data fields. At the top are usually the most important fields selected like the first name, last name and ID number.

Project Settings					×
<ul> <li>General settings Record Layout Gallery View Biometric settings</li> </ul>	Detail view configuration				
Card Designs Structure			•	•	•
Triggers Managers			<b>_</b>		-
Manage Project BadgeMaker Connect			•		-
Data Sources			•		-
Image Sources			•		•
<ul> <li>BadgeMaker Encode</li> </ul>			•		•
Encoding settings					•
			<b>•</b>		<u> </u>
				Save	Cancel

Fig. Example of the Project settings: Record Layout





## B. Gallery view

The gallery View is the Photo slide presentation to find the persons record very easily when people are showing up at the front desk to change or replace a card. In the Gallery setting you can select 2 (two) database fields that are presented with the Photo. You can select First name and Last name or chose for the record ID or any other database field.

Project Settings		×
<ul> <li>General settings</li> <li>Record Layout</li> <li>Gallery View</li> </ul>	Detail view configuration	В
Biometric settings Card Designs Structure		•
Triggers Manage Project		•
▲ BadgeMaker Connect		-
Data Sources		-
Image Sources		-
Encoding settings		•
	Save	Cancel

Fig. Example of the Preview Project settings: Gallery view





## C. Biometric settings

The third tab is for managing your biometric settings.

Project Settings		×
<ul> <li>General settings Record Layout Gallery View Biometric settings Card Designs Structure Triggers</li> </ul>	Biometric settings	С
Manage Project       BadgeMaker Connect     Data Sources      Image Sources      BadgeMaker Encode     Encoding settings	2 I Enable passport photos Passport photo aspect ratio: 3 x 4 • 3 Select Source: • • • • • • • • • • • • • • • • • • •	
	Save	el

Fig. Example of the Project settings: Biometric settings

- 1. Check the signature check-box to enable the signature view in your project. Keep this check-box empty when you do not use signatures in your project.
- 2. Check the passport photos box to enable the photo view in your project. Keep this box empty when you do not use passport photos in your project.
- 3. You can determine the settings of the photo capture. You can select a certain ratio and select the device you would like to capture with.
- 4. Shows you a live preview of the ratio and capturing tool.





## D. Card Designs

The third tab is for adding and managing Card Designs to your project.

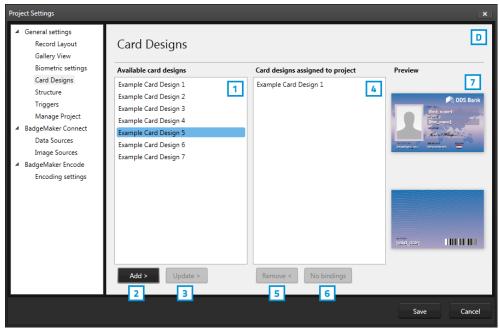


Fig. Example of the Project settings: Card Designs

- 1. Select one of the available designs
- 2. Click on the "Add" button to add the design to your project.
- 3. If you already have a certain design you can choose to update it by clicking on this button. Any change made to the design will be updated after clicking on this button.
- 4. If you want to remove a design from your project select one of the designs in this list.
- 5. Click on the remove button if you want to delete one of the selected designs from your project.
- 6. Select a design and then click on the "Edit" button if you want to edit the bindings for the dynamic data of the card design.

	First name
lastname	Last name
employee_no	ID number
department	Department
valid_until	

The data binding tool is a powerful option in BadgeMaker Identity. When you add a new layout or update a layout you will be prompted to create the data bindings. Dynamic fields used and created in your layout may differ from the naming or spelling of a name that exists in your Project database. Therefore you will be allowed to create the data bindings. The dynamic fields that are created in the layout are presented to the left and you can bind these dynamic fields to the database fields. The tool will create the bindings for you that are obvious: if they are the same or as they were bonded at the previous update; of course you will be able to modify the bindings and confirm these settings. The new or modified layout will be available in the dashboard of BadgeMaker Identity.

7. Preview of a selected Card Design.





## E. Structure

The fourth tab is for managing your data field structure. You can create, edit or delete database fields in your Project

Project Settings							×
Gallery View	oject Stru	ucture					E
Biometric settings Card Designs	Name		Data Type	Required	Unique	Default	
Structure Triggers Manage Project A BadgeMaker Connect Data Sources Image Sources A BadgeMaker Encode Encoding settings	ID number ID number First name Last name Company Department List items:	uto-increment	Number 2 Number Text Decimal List Phone number Text List	Image: Add litem		5	
Ac	ld New Data Fi	Customer Relations Research and Development Human Resources Sales and Marketing		X X X		Save	Tancel

Fig. Example of the Project settings: Structure

- 1. Click on the "Add New Data Field" button and add and describe the data field names you want to use in your project.
- 2. Set the data type. Select if the data are number or text for example. The following types of database fields are supported:
  - o Text
  - Number: When selecting this type you can select 'auto-increment'. When a new record is created the number will be the highest number in the Project increased by 1
  - o Decimal
  - List: When this type is selected you can add and delete the list values from the list that is presented for this database field when a value must be entered
  - o Date
  - o Email address
  - Phone number
- 3. Select if the field needs to be Required. For each field you can select 'required' when this database field must be entered for a (new/edit) record.
- 4. Select if the field needs to be Unique. For each field you can select 'unique' when the entered value must be checked for its uniqueness in the Project.
- 5. With the default input field you can add a standard value to your data field, existing empty fields and new records will automatically get the default value you add to this data field.
- 6. Click this button if you want to add an extra column to your data. Click on the X to delete a column/data field.





## F. Triggers

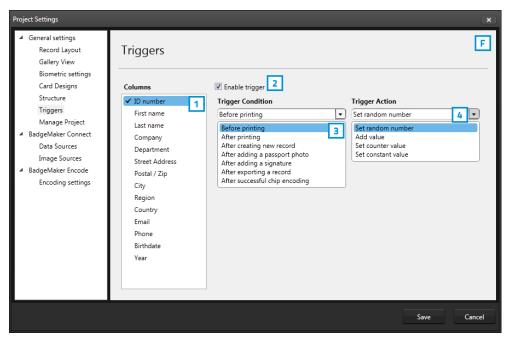


Fig. Example of the Project settings: Triggers

Triggers can be used to automatically change data in your project on a certain condition or event.

- 1. All data columns of the current project are listed. Select one of the columns in order to link a trigger action to it.
- 2. Enable or disable a trigger in order to activate the action. Triggers are stored even though they have not been activated. Making it easy to re-activate them later on.
- 3. Select one of the conditions from the drop-down box. BadgeMaker Identity will automatically wait for the condition to occur before performing the action that is linked to the trigger.
- 4. Define the action that is performed once the condition has been met. Some actions are only available for specific columns (for example, incrementing number values can only be done on Number type columns).

All changes need to be saved before they become active. Understand that Triggers might cause your original data to change, so make sure no vital data is lost when working with Triggers.





## G. Project Management

This tab is for managing your project. You are able to completely delete the current project you are working on.

Project Settings		×
<ul> <li>✓ General settings Record Layout Gallery View</li> </ul>	Manage Project	G
Biometric settings Card Designs Structure Triggers	Permanently delete the current project	Delete project
Manage Project BadgeMaker Connect Data Sources		
Image Sources BadgeMaker Encode Encoding settings		
		Save Cancel

Fig. Example of the Project settings: Project management





# Record

Records are single data rows that contain all the information of one person. There is a button for adding and deleting a record.

## Add a new record

If you add a record a new pop-up window will appear to enter the new record. The entry form allows the user to enter the data and Capture Photo and/or Signature.

## 1. Information

- A. Enter the needed information for each field and click on the
- B. "Next" button.



Fig. Example of the information tab when adding a new record.





## 2. Photo

A. Select the source of camera you want to use from the drop down menu. You can choose to use your web cam or a TWAIN camera that you installed and connected to your computer.

B. Click on the "Take Picture" button. The Photo functionality will show you the camera view.

C. The application will detect your face automatically and take three picture. You can select one of the three pictures to add to the new record.

D. You are also able to upload an image from your computer. Click on the "Open file..." button to select an image from a file.



Fig. Example of the photo tab when adding a new record.





## 3. Signature

A. Use a signature pad to write a signature into this field.

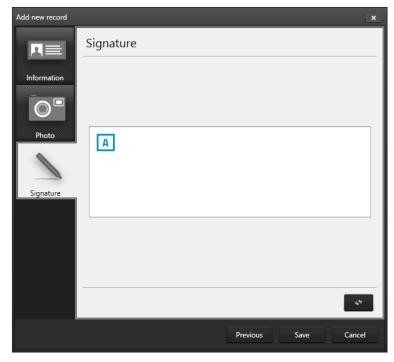


Fig. Example of the signature tab when adding a new record.



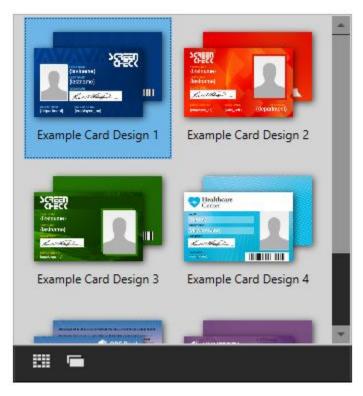


## Layout connection to record

The lay-out connection of a data record to a lay-out is needed when a card is going to be printed.

When a data record is selected click on one of the card designs in the Card Designs Gallery view to connect the design to the record. The connected lay-out is indicated by a blue background. To change the connection to a different lay-out the user can click on another lay-out. The lay-out shows up with a blue background to indicate that the connection is made.

It is possible to select more data records at the same time and connect the selected records to a lay-out. Use CTRL+A, + CTRL or +SHIFT









# **USERS GUIDE ADD-ONS**

**BADGEMAKER ENCODE** 

2014 October Users Guide V1.4 BadgeMaker Encode V1.3



2015 February| Users Guide V1.3.2 | BadgeMaker V1.3.2 www.badgemaker.info

# 🏀 **BADGEMAKER** USER GUIDE

# **BADGEMAKER ENCODE**

The BadgeMaker Encode Add-on allows you to encode data from your BadgeMaker Identity project onto a smart card. With BadgeMaker Encode, ScreenCheck introduces a new file format that is used to contain all information related to the encoding of the card, which can easily and securely be shared with other parties who collaborate on the same project.

## 1. Contactless Encoding

BadgeMaker Encode currently supports the encoding of MIFARE Classic, Plus and DESfire cards. Encoding is done using card printers that are fitted with a "reader" such as the HID Omnikey or the Springcard Crazy Writer. For a detailed overview of supported devices and standards, please refer to the supported hardware chapter on page 7. in this manual.

## 2. CCI Editor

The CCI Editor is a tool that is made available to all users of the BadgeMaker software package. This tool allows you to create an encoding template for MIFARE Classic, Plus and DESfire cards using all the major features for each of the standards.



## 2.1 Creating a MIFARE Classic Template using the CCI Editor

Launch the CCI Editor, which will open to a blank window. Choose "File"  $\rightarrow$  "New"  $\rightarrow$  "Mifare Classic (1k)" or "Mifare Classic (4k)" depending on your project requirements.

0				0	Untitled - CCI Editor v1.3.2 – 🗆 🗙
File	Help			<u>F</u> ile <u>H</u> elp	
	New	•	Mifare Classic (1K)	Mifare Classic (1K)	
	Open	Ctrl+O	Mifare Classic (4K)		
	Import	•	Mifare Plus (2K) Mifare Plus (4K)	<ul> <li>Card settings</li> </ul>	
	Close		Desfire	Card serial number byte	order: Most significant byte first (mirrored) 🞽
	Save	Ctrl+S		Enable MAD (Mifare	
	Save As				
	Exit	Alt+F4		Sector 0 ^	Sector 0
				Sector 1	Include sector in CCI
					Description:
				Sector 2	
				Sector 3	Sector access settings (security)
				Sector 4	Key A: Generate key
				Sector 5	Key B: Generate key
				Sector 6	Block 0: Type: Data Read: Key A & B Write: Key B v (Manufacturer block, read-only)
				Sector 7	
				Sector 8	Block 1: Type: Data Read: Key A & B Write: Key B
				Sector 9	Block 2: Type: Data Read: Key A & B Write: Key B \vee
				Sector 10	Block 3: Key A Access area Key B (trailer)
					Read: None Write: Key B Read: Key A & B Write: Key B Read: None Write: Key B
				Sector 11	Access settings: 78 77 88 00 (byte representation of above settings)
				Sector 12	
				Sector 13	Sector data
				· · · · · · · · · · · · · · · · · · ·	Data block
				Created new CCI	





The Card Settings are displayed on top of the screen (A). You are able to define whether the card should use MAD Sectors or not. Enabling this setting will have an impact on specific sectors and their contents. It will also automatically generate Key A for sector 0 (and sector 16 for 4K cards).

On the left of the screen (F), a list of sectors is displayed, 16 for 1K cards, 40 for 4K cards. Depending on the settings, each of the sectors can contain information that will be encoded onto the card through BadgeMaker Identity.

The center of the screen (B,C,D and E) allows you to configure the information for the currently selected sector. You are able to define keys, determine read and write settings for each of the four data blocks and create data segments to fill the available space. The CCI Editor visualizes any data that will be encoded onto the Smart Card in order to give the user a better view of the amount of used and available space in each sector.

0	Untitled* - CCI Editor v1.3.2	- 🗆 ×
<u>F</u> ile <u>H</u> elp		
Mifare Classic (4K)		
Card settings		
-	rder: Most significant byte first (mirrored) ×	Α
Enable MAD (Mifare A		
Sector 0	Sector 0	
Sector 1	✓ Include sector in CCI	В
Sector 2	Description:	
Sector 3	⊙ Sector access settings (security)	
Sector 4	Key A: 74804E7EC6F9 Generate key	<u> </u>
Sector 5	Key B: 0FF324457332 Generate key	C
Sector 6	Block 0: Type: Data Read: Key A & B Write: Key B (Manufacturer block, read-only)	
Sector 7	Block 1: Type: Data Read: Key A & B Write: Key B	
Sector 8	Block 2: Type: Data Read: Key A & B Write: Key B ×	
Sector 9	Block 3: Key A Access area Key B (trailer)	
Sector 10	Read: None Write: Key B Read: Key A & B Write: Key B Read: None Write: Key B	
Sector 11	Access settings: 78 77 88 00 (byte representation of above settings)	
Sector 12		
Sector 13	Sector data	
Sector 14	Data block	
Sector 15	Dynamic data × Add	
Sector 16	Format: ASCII v Left-aligned v Field: Firstname	
Sector 17	Length: 8 bytes Description: Firstname, 8 bytes	
Sector 18	Format: ASCII × Left-aligned × Field: Lastname	
Sector 19	Length: 8 bytes V	F
Sector 20	Format: Numeric V Left-aligned V Field: ID	
Sector 21		
Sector 22		
Sector 23	Format Numeric V Right-aligned V Field: 12345678	>
Created new CCI		





Certain blocks (such as Block 0 on Sector 0, and the Trailer Block on all sectors) are reserved for manufacturer information and storing keys. These are not available to the user, and are displayed as hatched.

Each square represents one byte of information. When adding sector data, the length of the data is visualized on the right. Each item in the list is given a slightly different color to make it easier to understand how the data is transferred to the card.

## 2.2 Information about Sector Data

### Dynamic Data

This is information that will be added to the card by your BadgeMaker project. Similar to adding card designs, when you add a CCI file to your project, a pop-up will allow you to bind columns in your project to each of these items. You must always ensure that the data in your project corresponds with the settings you have chosen in terms of length and data type. The following data types are available.

0	ASCII	All standard ASCII characters are allowed.
0	Numeric	0 9
0	Alphabetic	A Z and a z
0	Alpha-numeric	A Z, a z and 0 9
0	Alphabetic and special	A Z, a z and Punctuation marks
0	Alpha-numeric and special	A Z, a z, 0 9 and Punctuation marks
0	Binary-coded decimal (5)	0 9, two digits in one byte, maximum 5 bytes
0	Binary-coded decimal	0 9, two digits in one byte
0	Binary-coded decimal date	YYYYMMDD each two digits in one byte
0	Decimal	0.00 (Fixed point)
0	Wiegand-26	Facility and card codes with parity
0	Hexadecimal	0123456789ABCDEF
0	Octal	012345678
0	Binary	01

In addition, you are able to add a description of the sector data to remind you of certain agreements.

#### Constant Data

Constant or Static data is data that is manually entered in the CCI file and will never change. The format of this piece of information can be of any of the types mentioned in the Dynamic Data section.

#### Empty Space

This item can be used to indicate a specific part of a sector that will never be used.

#### Card serial number

This is a 10, 7 or 4-byte, data section which will automatically contain the card serialnumber when the card is being encoded.

Using these options, you can create any type of CCI file. Once completed, you are able to save your work in either an unencrypted file (XML) or an encrypted CCI file. If you choose the latter option, you will be required to enter a password that will also be required when adding the CCI file to your BadgeMaker Identity project.





### 2.3 Creating a MIFARE DESfire template using the CCI Editor

DESfire cards take an entirely different approach to encoding compared to MIFARE Classic or Plus cards. With DESfire, you are able to define Applications and Files that contain information, each with specific access settings. Similar to MIFARE Classic, launch the CCI Editor, which will open to a blank window. Choose "File"  $\rightarrow$  "New"  $\rightarrow$  "DESFire".

The Card settings panel will allow you to define general rules for your encoding template. A DESFire card features a Card master key that can be used to re-encode or erase the card at any time. All keys for DESFire cards can be encoded using 3DES, 3K3DES or AES encrypted keys. A key can be either generated or entered manually.

The other options for the Card settings dialog are self-explanatory, but must be decided with caution as they will impact how flexible the card can be used after being encoded. In addition to the default DESFire features, Reset keys are implemented that allow for cards to be repurposed, by users even though the Card master key might not be available. Distributing the Card master key might not be desirable because of possible security liabilities. Multiple Reset keys can be created to supply to different vendors.

O C:\Use	rs\Desktop\Sample	.xml - CCI Editor v1.3.2	_ 🗆 🗙		
File Help					
Desfire					
Card settings					
		_			
Card serial number byte order: Most significant byte first (mirrored) 👻					
Card master key: AES v 82A88655011B697D8931479986816982 0 Generate key					
✓ Master key can be changed later					
Authentication required for directory access					
Authentication required for creating / deleting	g applications				
Card configuration can be changed later					
Reset keys					
Reset keys are not a Desfire feature, but they allo	wour encoding roftwar	e to renumore existing cards			
Add key	w our encoding softwar	e to repurpose existing cards.			
Add Key					
Application 000001	Application Settin	ıgs			
	Description	A sample DESfire application			
	Application ID	000001			
	Encryption type	AES ~			
	✓ Master key can b	e changed			
	Authentication re	quired for directory access			
	✓ Authentication re	quired for file creating / deleting			
	Key settings can l				
	Change key settings	Authenticate with application master key			
	Enable ISO file ID	support			
	lso file ID				
	DF name				
	Application keys				
	Add key				
	0 C9F762F37206E0	F07C701975F44BCFD0	0 Generate key X		
Add application Remove application					
Add file Remove file					
Saved as 'C:\Users\Desktop\Sample.xml'					





Once Card settings have been defined, an Application can be created by choosing "Add application" on the bottom left of the screen. Doing so will automatically create an application titled "000001". On the right side of the screen, information can be entered to define the Application such as a Description, an ID (Hexadecimal value) and the Encryption type. For each applications, settings are available that define future use of the application such as allowing the Master key to be changed or Authentication settings for accessing the data in the Application. Each Application can have up to 10 keys that can be distributed to vendors for use of the Application.

Once finished, choose "Add file" to create a file named "File 0" for the currently selected Application. Each file will contain a Description and a File number. Communication mode determines the way in which the File is allowed to exchange data. It is highly recommended to use the Encrypted setting, as the Plain (unencrypted) mode should only be used for data that does not contain sensitive information.

All DESFire File types are supported to accommodate integration with access control or payment systems that support the DESFire standard. For general purposes, select the "Standard data file" from the dropdown list.

Each file has individual settings for Read, Write and Read/Write access, as well as an access rule for changing these settings after encoding the card.

Standard file types require you to set the total file size. Keep in mind that this has to be equal to or greater than the total amount of bytes that are used by your File data. In our example, the total amount of data used is 42 bytes, but the file is given 64 bytes instead.





Untitled* - CCI Editor v1.3.2 – 🗖	×
<u>F</u> ile <u>H</u> elp	
Desfire	
O Card settings	
Card serial number byte order: Most significant byte first (mirrored) ~	
Card master key: AES · 42517213A91712694E43103A945503AA 0 Generate key	
✓ Master key can be changed later	
Authentication required for directory access	
✓ Authentication required for creating / deleting applications	
✓ Card configuration can be changed later	
V Reset Reys	
Application 000001	
Description Sample Application	
Application ID 000001	
Encryption type AES ~	
Master key can be changed	
Authentication required for directory access	
Authentication required for file creating / deleting	
Key settings can be changed	
Change key settings Authenticate with application master key Y	
Enable ISO file ID support	
Iso file ID	
DF name	
Application keys	
Add key	
0 DA27D1649CCB0F8CB908B12A32A01D98 0 Generate key	х
Add application Remove application	
Add file Remove file	
reated new CCI	

File data is added to the File in a similar fashion to defining MIFARE Classic or Plus templates. Select a data type from the dropdown box, and choose "Add" to create a new data block. Define the data format and alignment, as well as the Field as this will be the identifier once the CCI file is linked to your BadgeMaker Identity project.

Each DESFire template can contain a maximum of 32 Applications, and each Application can contain a maximum of 32 files.

Once completed, the template can be either saved to a human-readable XML format, or a passwordencrypted CCI format. Both can be used to encode cards in your BadgeMaker Identity project.

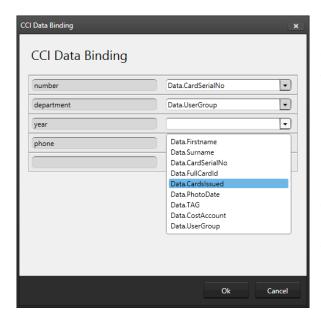




## 3. Encoding with BadgeMaker

Encoding with BadgeMaker Identity has been fully integrated into the printing process. The most important step in order to enable encoding for your project is to add your CCI file to your project. Go to the Project Settings panel, and select Encoding Settings from the BadgeMaker Encode tab.

Project Settings		×
<ul> <li>General settings</li> <li>BadgeMaker Connect</li> <li>BadgeMaker Encode</li> <li>Encoding settings</li> </ul>	Encoding settings Add new CCI file	
	• Select CCI file	×
		Search CCI 🔎
	Organise 🔻 New folder	i 🕶 🕶 🔟 🔞
	X Favourites	Date modified Type
		18-4-2014 16:11 CCI File 18-4-2014 16:11 XML File
		>
	File name: 📃 🗸 🗸	CCI Files (*.xml, *.cci) V Open Cancel
		Save Cancel



From this panel, you will be able to select a CCI file from your system. Doing so will trigger a pop-up dialogue that allows you to bind all Dynamic Data fields to columns in your BadgeMaker Identity project.

Once completed, you will have to link the CCI file to one or more card designs that have been previously added to your project. This will allow you to determine whether a specific card design requires a specific CCI file. While a CCI file can be linked to multiple card designs, a card design can only be linked to one specific CCI file.





Click "Save" to store the changes. You are now ready to start encoding your cards. Encoding is simply a matter of selecting a record and giving the print command. You might be prompted to select the reader that is associated with your printer, this is only the case for systems that have more than one reader connected at the same time.

Note that you might need to configure your printer to perform both Encoding and Printing tasks at the same time, otherwise BadgeMaker Identity might list your print action as failed, even though encoding did take place

### 3.1 Supported standards

BadgeMaker Encode currently supports MIFARE Classic, MIFARE Plus and MIFARE DESFire standards.

### **3.2 Supported devices**

Previous versions of the manual contained an overview of supported printers and encoding standards, please review the chapter on page 7. of the manual that is dedicated to supported hardware for BadgeMaker Identity and Encode.







# **USERS GUIDE ADD-ONS**

**BADGEMAKER CONNECT** 

2014 October Users Guide V1.4 BadgeMaker Connect V1.3



2015 February| Users Guide V1.3.2 | BadgeMaker V1.3.2 www.badgemaker.info

# 🏀 **BADGEMAKER** USER GUIDE

# **BADGEMAKER CONNECT**

The BadgeMaker Connect Add-on allows users to connect with external databases, and use the data to complement their local project, or even base the entire project upon. There are four types of databases supported:

- Microsoft SQL Server
- Microsoft Access files
- MySQL Server
- Oracle Server

Choosing from one of these four settings is highly recommended, however it is also possible to connect to a database through an ODBC driver.Connecting with one of the supported databases allows you to make full use of the database's functionality. For example: BadgeMaker will automatically lock tables when adding or updating records, it will automatically detect user rights and allows you to work with views.

Connecting with a data source through an ODBC driver proves you with more basic functionality, but it will suffice for most single-user environments. BadgeMaker Connect will automatically detect any available ODBC drivers on the system, if the required ODBC driver is not listed, it can be installed using the Microsoft update website or tool in your operating system.

Project Settings					×
<ul> <li>General settings</li> <li>BadgeMaker Connect</li> <li>Data Sources</li> <li>Image Sources</li> <li>BadgeMaker Encode</li> </ul>	Data Sources	Table name Data			
BadgeMaker Encode	Add data source     Remove data source     Local project data     person     ODBC (Microsoft Access Driver (*.mdb))     Data	Access rights Read data Create rows Create rows Create rows Create rows Create rows Columns IDnumber IDnumber Read-only Column			•
	Add table Remove table	Firstname Surname Layout Function PlaceOfBirth	Firstname Surname Layout Function PlaceOfBirth	Read-write Read-write Read-write Read-write Read-write Refre	v v v v
				Save	Cancel

This screenshot shows the Project Settings dialog, where the option for BadgeMaker Connect will be present depending on your license key.



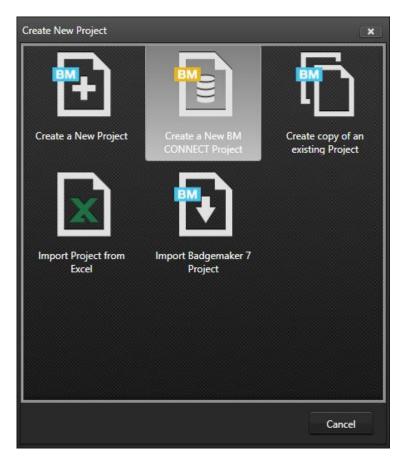


## 1. Setting up BadgeMaker Connect

## 1.1. How to set up a BadgeMaker Connect Project

Follow these steps if you want to create a project using an external data source as your primary source of information. If you want the local BadgeMaker Identity project to be your primary source of information, please refer to chapter 2.

We will start by creating a new project. Click the New Project icon and select "Create a new BM CONNECT project" from the dialog.



Enter a name for your project and click "Next". BadgeMaker will now create the internal database structure to base your project upon. Click "Next" once the process is complete. The third step in the process is the definition of data sources.

Click "Add data source" to create a new data source. By default, the data source will be set to a Microsoft SQL Server, which can be changed to an ODBC data source by selecting it from the "Type" dropdown box.





## 1.1.1 Configuring a Microsoft SQL Server data source

After selecting Microsoft SQL Server as the type of data source, you are able to fill in all information required to connect to the server.

Server: Path or IP address to the server. If the server is hosted on another system in the network, it can be either addressed as \\servername or the IP address of the server (see item "A" in the screenshot below).

Information such as the database name (or name of the view) username and password will be provided by your database administrator. Note that in order to be able to work with a Microsoft SQL Server, an active network connection must be available.

Create New badger	maker CONNECT Project			×	×
1 Project name	Data source		Α		В
2	Add data source Remove data source	Data source	database_name		ODBC (Microsoft Access Driver (*.mdb))
Creating project	database_name	Туре	Microsoft SQL Server	•	ODBC 🔹
		Server	192.168.0.1		Microsoft Access Driver (*.mdb)
3		Port			DBQ=C:\Examples\Example.mdb;
Data source		Filename			Test connection
Data source		Database name	(		
		Username	example_user		
(4)		Password	example_password		
Image source			Test connectio	'n	
	Add table Remove table				
			Previous Next Ca	incel	Previous Next Cancel

## 1.1.2 Configuring a Microsoft Access data source

In order to define a Microsoft Access data source, select the option from the drop-down list, and find the path to your database by choosing the Browse ("...") button behind the Filename field. Please not that a username and password may not be required for your Microsoft Access file, in which case these fields can be left empty.

## 1.1.3 Configuring an Oracle data source

Configuring a Oracle server as a data source is done in the same fashion as defining a Microsoft SQL Server data source. Please refer to chapter 1.1.1 for more information.

#### 1.1.4 Configuring a data source through an ODBC driver

After selecting ODBC as the type of data source, you will be able to select one of the ODBC drivers installed on your system. Please note that Windows may have more than one driver installed per file extension. In this example, we have selected the Microsoft Access Driver (\*.mdb) for our data source (see item "**B**" in the screenshot above).

After selecting the driver, you are able to provide a direct path to your database file. This can be a local path (C:\Example\Example.mdb) or a remote path (\\Server\Example\Example.mdb). Note that in order to be able to open your project using a remote directory, an active network connection must be available.





After configuring the data source, click the button "Test connection". Once the dialogue reports "Connection OK!" you are able to proceed. If the connection cannot be established, the dialogue will report a detailed overview of the problem. Check all information and make sure a connection with the external server is available before trying again.

Once the connection is established, click "Add table" in order to continue configuring your data source. A pop-up dialogue will list all tables available for you. Microsoft SQL Server will likely only list database tables, where other files (such as MS Access databases) might also list tables otherwise invisible to the user. After selecting a table, you are able to configure the rights to the table, and to each of the listed columns in the table. Users connecting with a Microsoft SQL Server will also be able to create and remove rows, whereas users connecting through an ODBC database will only be able to select the "Edit data" checkbox for existing rows.

Note that the newly created data source will have the "Primary table" checkbox checked. This setting can only be altered during the process of defining the data sources, so make sure that the primary table is correctly configured.

Image: Descent system   Project name   Project name   Add data source   Add data source   Remove data source   Table name   Data     Table name   Data     Creating project     Add data source   Remove data source   Table name   Data     Create rows   Edit data   Remove rows	Create New badgema	aker CONNECT Project				×
Creating project	1 Project name	Data source				
3       Select the column that uniquely identifies each row:         Id column IDnumber •       Id column IDnumber •         Columns       IDnumber •         Image source       IDnumber •         Surname       Firstname         Surname       Surname         Layout       Hidden •	3 Data source	ODBC (Microsoft Access Driver (*.mdb))	Access rights Read Edit Primary table (*) Select the column that Id column Dnumber Columns IDnumber Firstname Surname Layout	data Remove row uniquely identifies each IDnumber Firstname Surname Layout	row: Read-only Read-write Read-write	•
Function     Read-only       Add table     Remove table       Previous   Next   Cancel		Add table Remove table	Punction		Refr	

For a primary table, you are able to define the "Id column" this is a column containing unique, numeric data. For secondary tables, you have to define its relation to the primary table or to one of the tables linked to the primary table. This means that each table will have to contain a column containing a corresponding type and kind of data. It is advised to keep the column marked as "Id column" as read-only or even hidden if the data in the column is not crucial to users working with the data grid.



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The list of columns can be used to define certain restrictions to each column such as "Read-only" or "Hidden". By default, columns will be marked as "Read-only". Think carefully about what data you want to manage through BadgeMaker, and what data should be managed by other external systems.

Once complete, you are able to define the image sources for Passport Photos and Signatures in your project. You are able to choose from three different options:

Create New badgem	naker CONNECT Project			×
1 Project name	Image source	•		
2 Creating project 3 Data source	Passport photo image source Signature image source	Passport photo im Image source type Image source Url / path Url / path postfix	age source Read image from local project Read or download image from path or url Read image from database (blob) .png	
			Previous	Finish Cancel

- **Read image from local project** Selecting this option stores captured images along with the BadgeMaker Identity project files. This option can be used to capture new image data.
- **Read or download image from path or URL** This option allows you to read images from a remote directory either on a server or on a network drive. This can only be used to *read* image data. New data cannot be captured.
- Read image from database (blob)

This allows you to read an image from a specific column in the databased marked as BLOB (**B**inary Large **Ob**ject) This option can be used to both read existing data and capture new image data to the database.

Images will have to be linked to a record in the database in the same way data sources are linked to each other. It is highly recommended to choose the "ID column" of the primary data source as the source.





BadgeMaker Connect will use the filenames of the images to match between images and records. Only exact matches will be imported in the project.

Once all the steps have been completed, click "Finish" and your project will be created.

## 2. How to set up data sources for existing projects

In addition to creating project around an external data source, it is also possible to add external information to data that is already available in an existing BadgeMaker Identity project.

If you want to configure your existing BadgeMaker Identity project to use data sources, go to the Project Settings panel, and choose Data Sources under the BadgeMaker Connect tab. The approach for configuring the data sources is very similar to the process of creating a project from scratch, please refer to chapter 1. for a detailed explanation.

The main difference compared to creating a new BadgeMaker Connect project is that the local project data will always be your primary source of information. This means that any external data source will have to include a column that matches one of the columns in your local project data.

**Attention:** The software will only join tables when a corresponding record is found in both the local and the external data, which means that if you have a local project with 10 records, and an external project with 20 records, only the 10 records that match the local project will be displayed in the data grid. The software will automatically complement the data in case a new record is added that has a correspondence with one of the records in the external data source.





## 3. Changes when working with BadgeMaker Connect

There are a couple of changes that may be noticeable when working with BadgeMaker Connect in comparison to regular BadgeMaker Identity projects.

#### Loading times

The time it takes to load your project, or to process changes to your database may increase. This is due to the time it takes to transfer data over the network, login to the database or retrieve data from the external data sources.

### Grayed-out columns

Columns that have been marked as "read only" will have a grey background color when selected. It simply means that you will not be able to alter data for that specific column.

### Data binding look different

When working with multiple data sources, it can become confusing to remember what information belongs to what data source. In order to clarify, BadgeMaker will label sources with <table\_name>.<column\_name>. This means that a column "Firstname" coming from a table called "Students" will be displayed as "Students.Firstname" when binding data.

### Updating or adding pictures

Depending on the read or write access restrictions and the configuration of image sources in your project, you may or may not be able to add new images.

#### Project has stopped working

BadgeMaker cannot prevent external data sources from changing. If a file gets removed, or a database gets changed, it might cause your BadgeMaker Identity project to stop working. Always consult with your database administrator to ensure that data you need in your BadgeMaker Project is made redundantly available to you.

#### **Default values**

When creating a new project, or when altering a project structure you are able to define certain default values for your column types. However, when using BadgeMaker Connect, these default values will be only filled for new records or when manually entering the information into the field. The reason for this is because the local project data does not contain the same amount of records as the external sources, and new records are never created automatically.





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	Us	ser Guide Log	
User Guide Version:	BadgeMaker DESIGN	Date:	Changes:
V1.0	V1.0	09-12-13	-
V1.1	V1.1.4	29-04-14	Adjustments to pages: 5,8,9,10,11,22,27,28,33,36,37,65,67,68
V1.2	V1.1.5	07-05-14	Added the Encode & Connect Add-On User Guides
V1.3	V1.2.0	28-05-14	IDPro 7 Projects added
V1.3.1	V1.3.0	06-10-14	Added adjustments to Card Design View in the BadgeMaker Design Chapter. Added offline registration. Added changes to the ADD-ONS chapters.
V1.3.2	V1.3.2	16-02-15	Updated supported printer list, updated several screenshots, updated description for menu buttons.

