3.7" Powerless Electronic Badge with epaper display
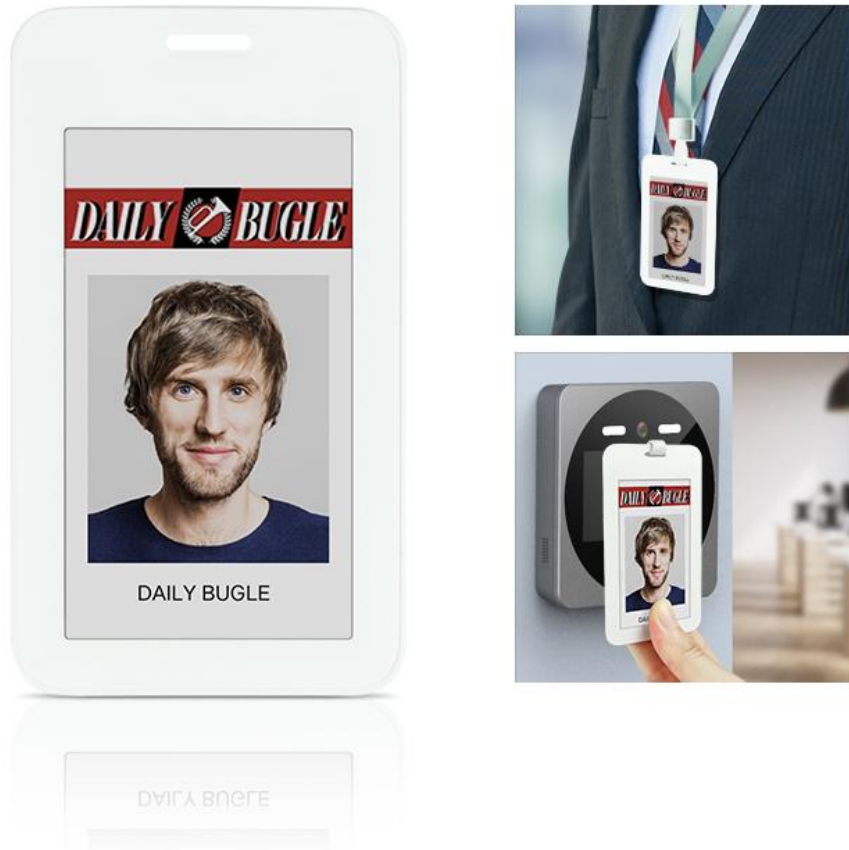
This is an electronic badge with 3.7inch e-paper display, it has IC card function, can be used as Employee Badge, Campus Card, Visitor Badge and Consumption Card.

We have dedicated software includes app and PC software to update the screen of the badge.

The app enables you to update its screen by mobile phone. Users can create the template by themselves from the APP.

The PC software enables you to import the template file with name list, and update badges in bulk through its dedicated card reader.

Product Specifications

Display type	E-ink, electronic paper dot matrix
Display size	3.7inch
Display color	B/W/R
Display area	47×81.5 mm
Resolution	240*416px
Product dimension	111.8×64.5×5.5 mm
Casing color	white
Power	Powerless solution
Communication	NFC, IC card
Working temperature	0~40℃
Storage temperature	-20~60℃
Working humidity	10-90%RH
Dustproof and waterproof grade	IP54

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Toggle Switch (back)

Left -- Display function

Right--IC card function

To update the screen of the badge, you shall make the switch to the left.
To use its IC card function, make the switch to the right.

The IC card is same as the one you use, you just open the permission as usual, you can use it normally for the access control or work attendance.

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Instruction manual of the electronic badge
Smart Card App

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◆ The main steps:

User login ▶ Template making ▶ Template selecting ▶ Information editing ▶ Sync

Android APP download link

http://ylctest.oss-cn-shenzhen.aliyuncs.com/app_apk/xbadge/app-release.apk

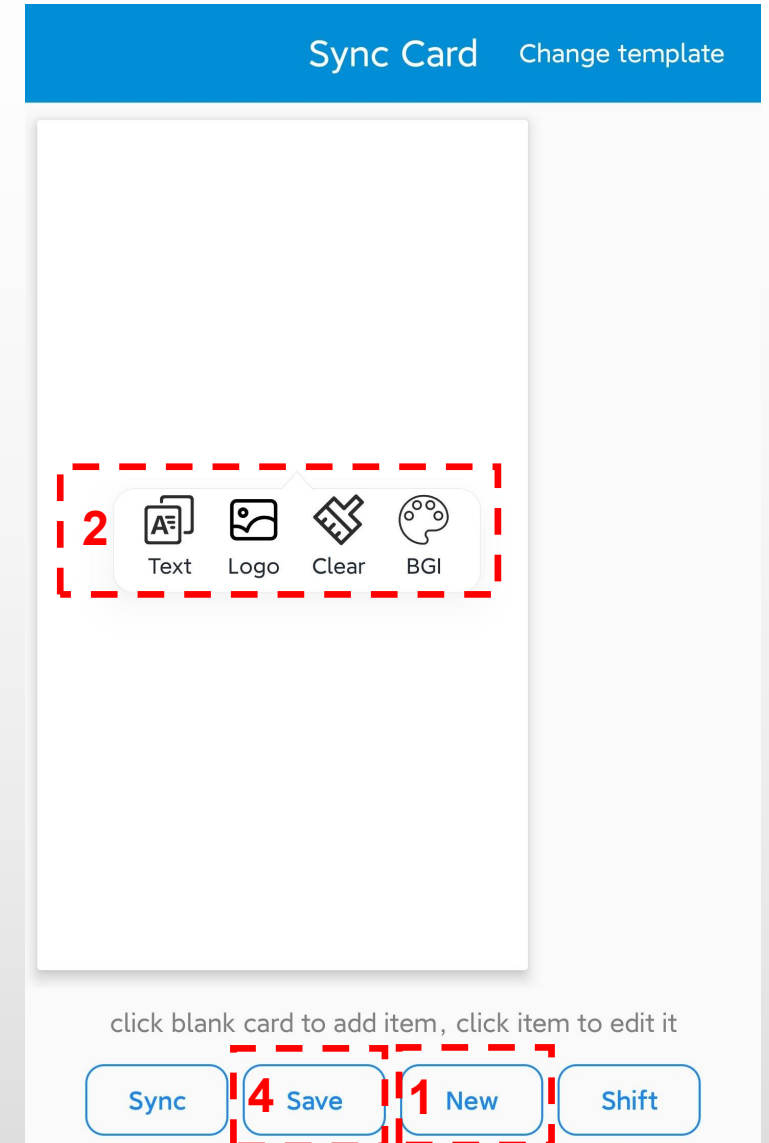For ios app, search Xbadge on Apple store, you will find it.

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User login:

1. For the 1st time logging in to the app, please follow the prompts for user registration.
2. The registered user can directly enter the user name and password to log in.

Note: Turn on the phone's NFC and allow storage permissions before you open the app

Login   Register
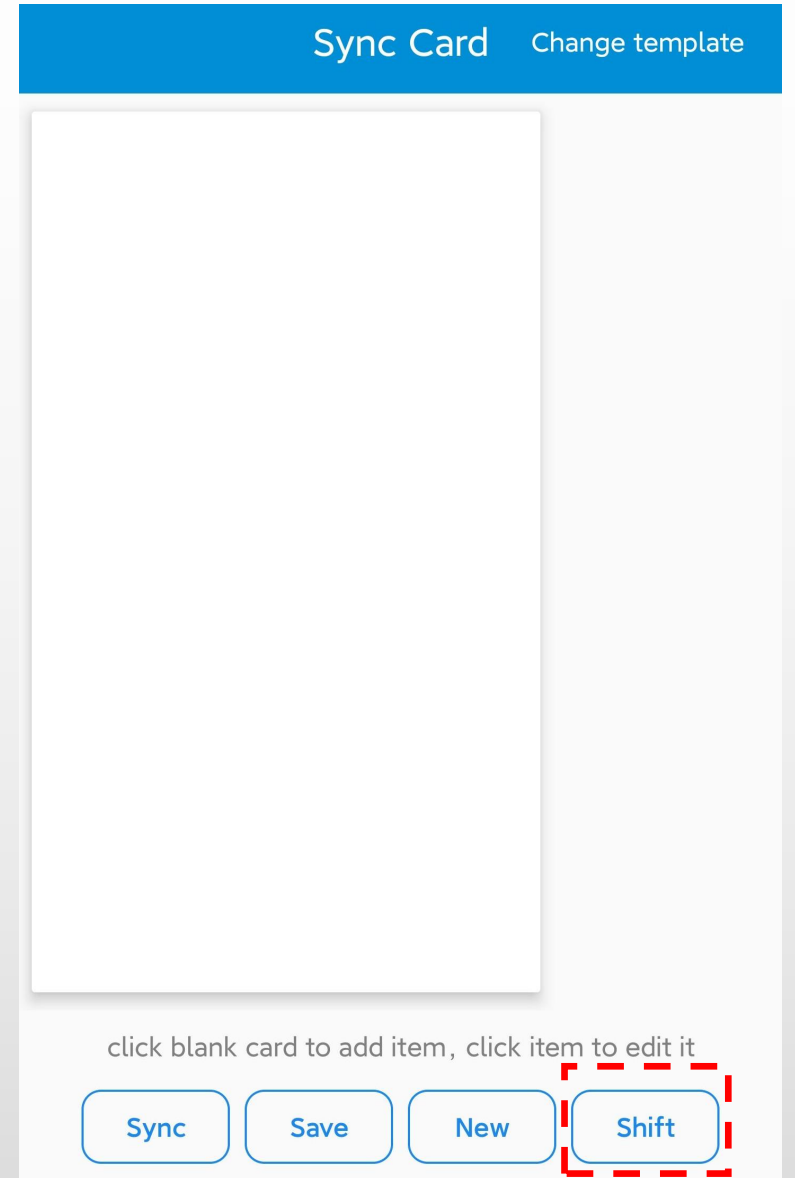
Username

Password

☑ AutoLogin

Login

Template making

1. Click "**New**" to create a template;

2.Click the white background image, a edit box pops up

a) Click "**Text**" to add a text block, and a dialog box pops up

which can adjust text block information.

b) Click "**Logo**" to add small pictures such as logo or QR code;

c) Click "**Clear** " to clear the text block, logo, or QR code;

d) Click " **BGI** " to switch the current background picture.

3.The text and pictures can be dragged freely, and the text can

be scaled.

4.After editing, click " **Save** " in the upper right corner to save the

template

Template selecting

1. Click " **Shift** " to enter the template selecting surface;

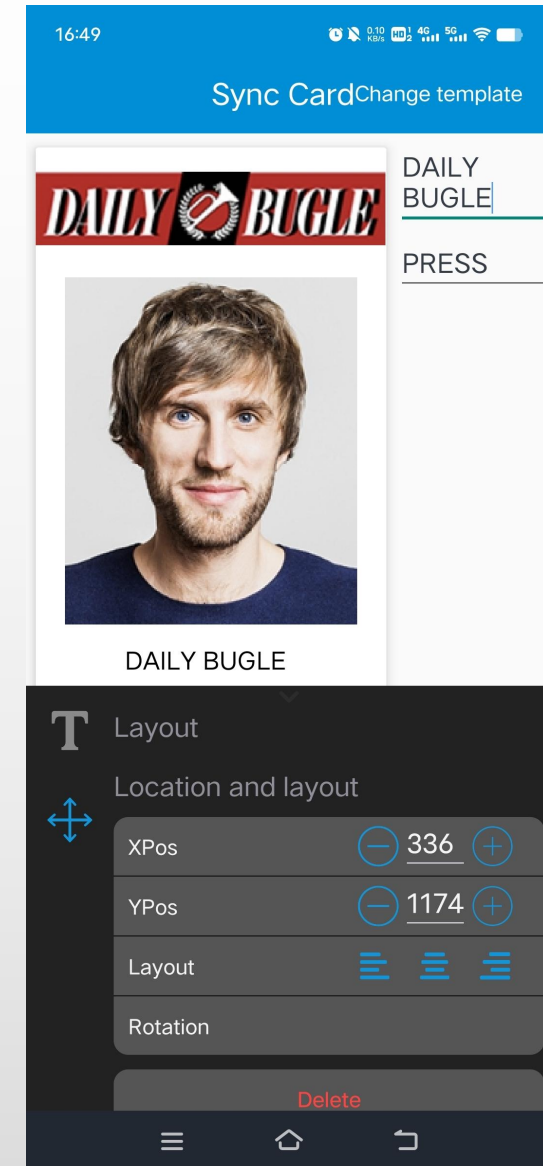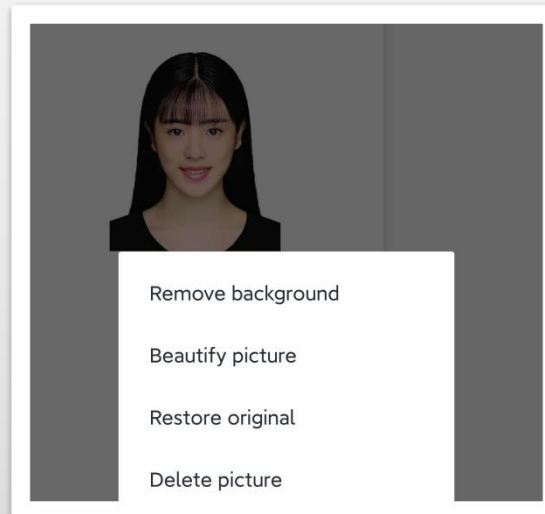2. Select the template you want to, and click " **OK** " in the upper right corner;

Information editing

1. After selecting the template, enter the refreshing interface and edit the content of each text block;

2. The text, picture or background can be adjusted or changed, the operation is the same as template making.
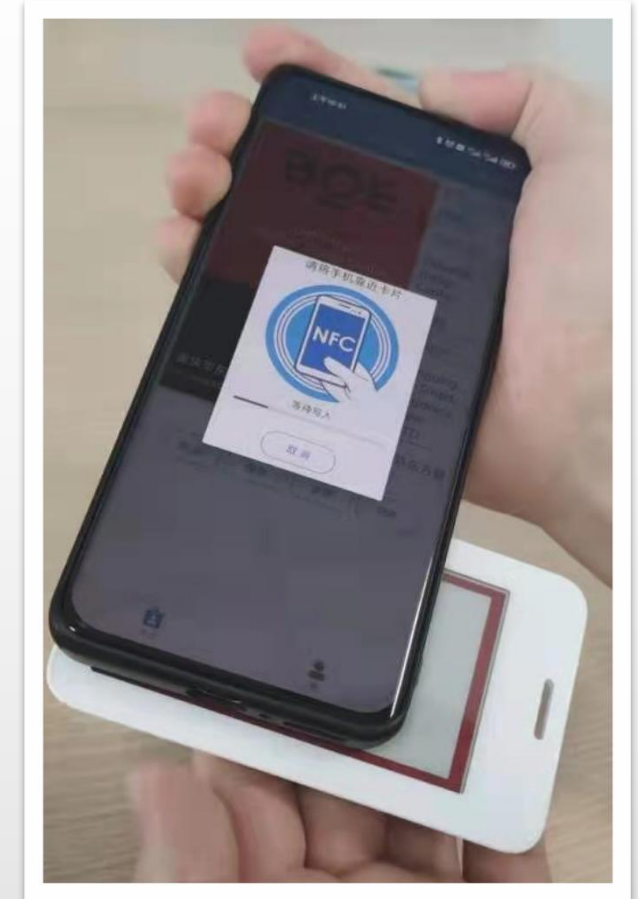
Note：Picture processing steps

1. Click "Remove Background"

2. Click "beautify picture"

Remove background

Beautify picture

Restore original

Delete picture

16:49

Sync Card Change template

DAILY BUGLE

PRESS

DAILY BUGLE

T   Layout

Location and layout

XPos   ⊖ 336 ⊕

YPos   ⊖ 1174 ⊕

Layout

Rotation

Delete

Sync

1. Enter the sync interface, edit the information to be synchronized .

2. Click " **Sync** ", and **"Put your phone close to the card"** dialog box pops up.

3. Move the phone close to the badge to be synchronized.

4. Wait for the transfer to end and the dialog box disappears.

5. After the sync is completed, the next time you enter the sync interface and move the phone close to the badge, you can load the last synchronized content.
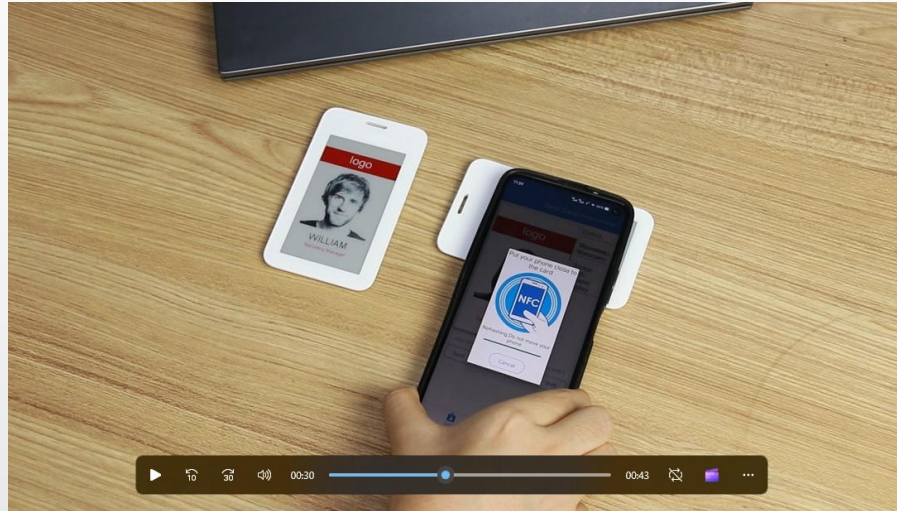
Note: During the transfer process, before the dialog box disappears automatically, please keep your mobile phone close to the badge, otherwise it will cause data transmission interruption

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Important note

1. You need to put the NFC area of the mobile phone and the NFC area of the badge together to ensure data transmission.

the NFC area of the badge is in the center horizontally. As shown in the attached picture.

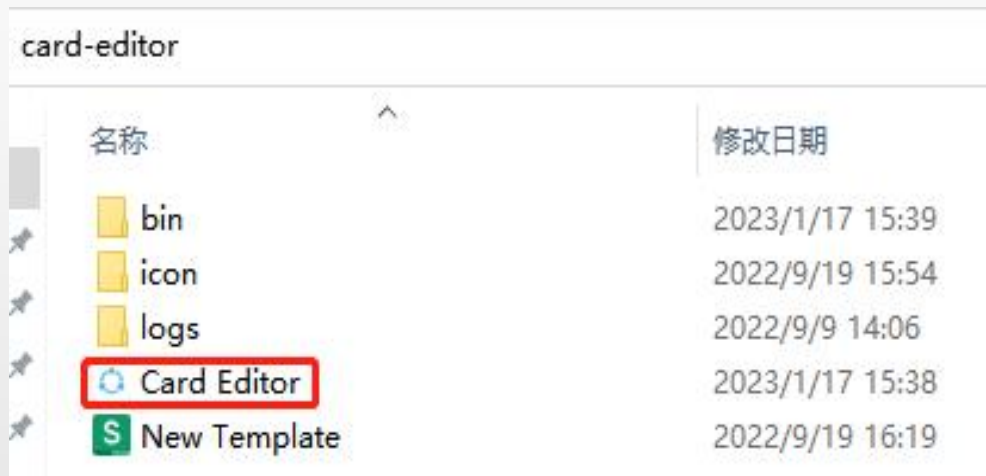2. It is best not to wear a phone case when refreshing, take off your phone case.

3. Some Android phones have very poor NFC, causes transmission failure. You use iphone to test it.

Instruction manual of the electronic badge
PC version software
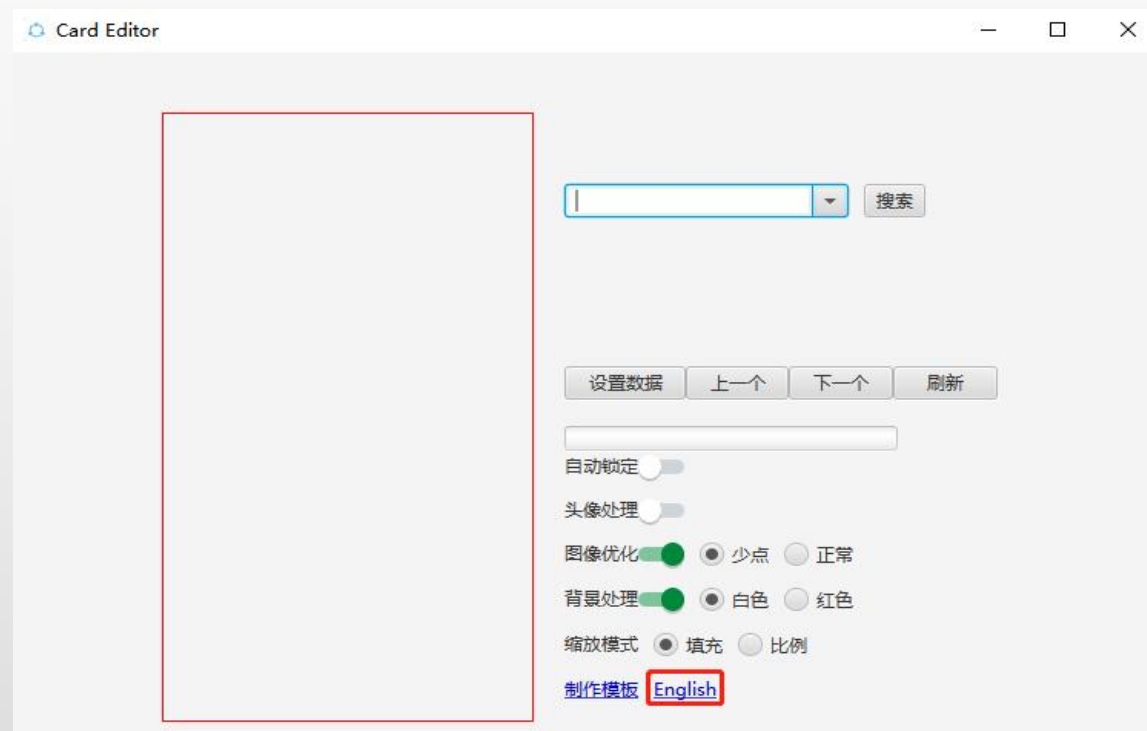
To download the software, you can click the below link of Google Drive:

https://drive.google.com/file/d/1U7I8tFmUdSL1DsMRXrWGgavt4u5i9IQJ
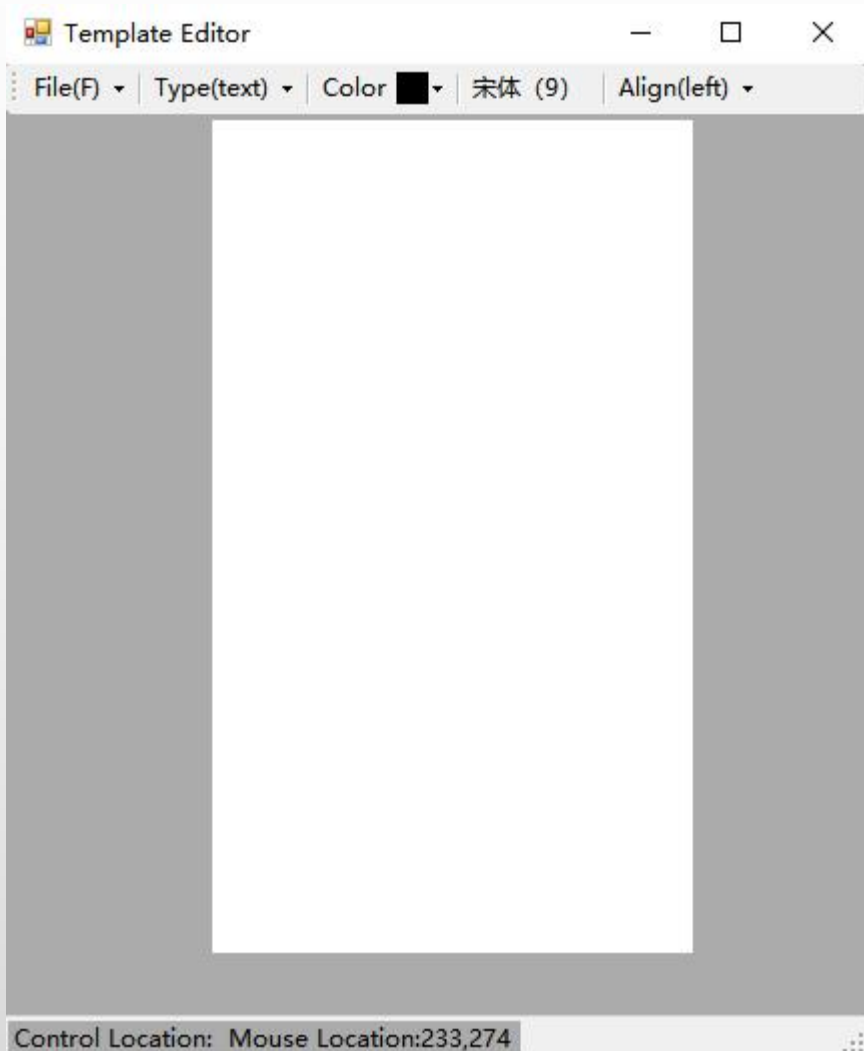/view?usp=drive_link

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Step 1 Conncet the card reader with USB port of a PC

Step 2 Open Card Editor, click "English" to change the language.
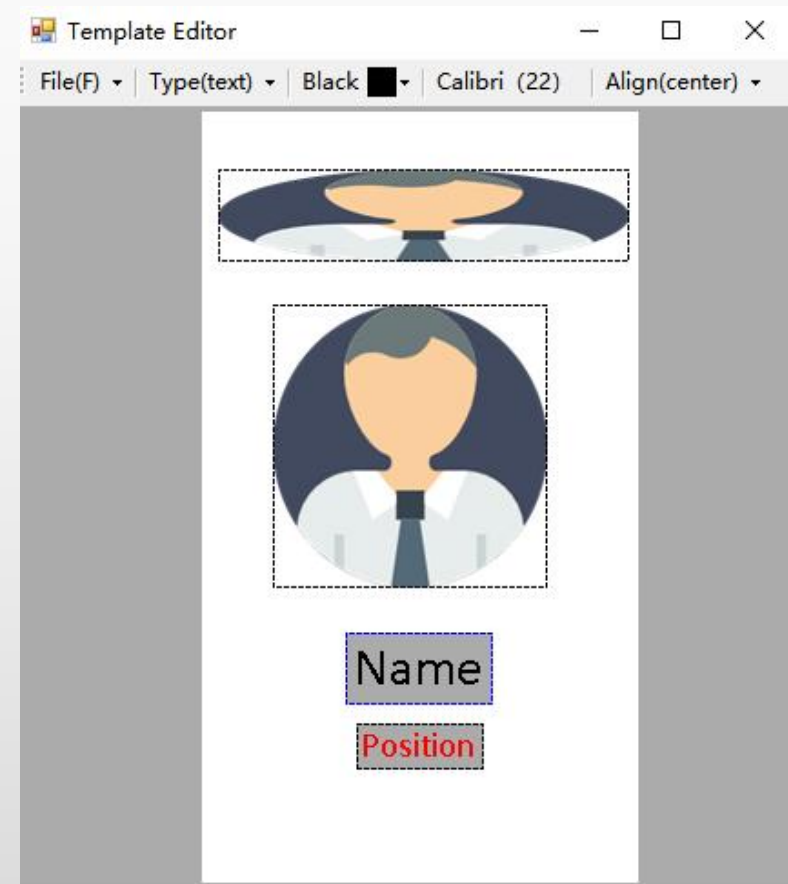
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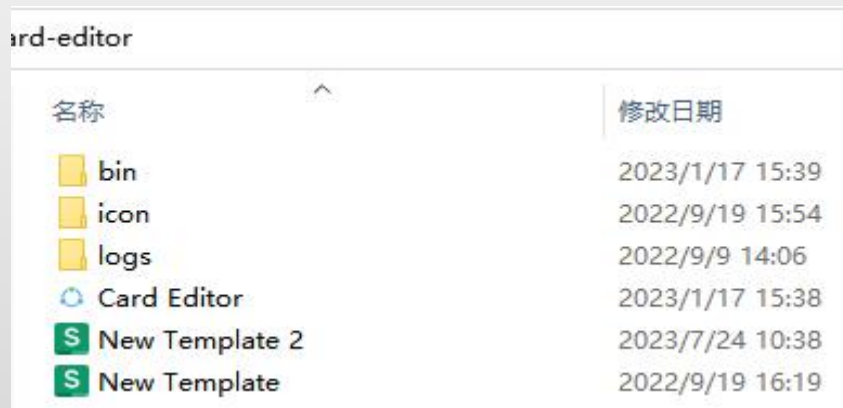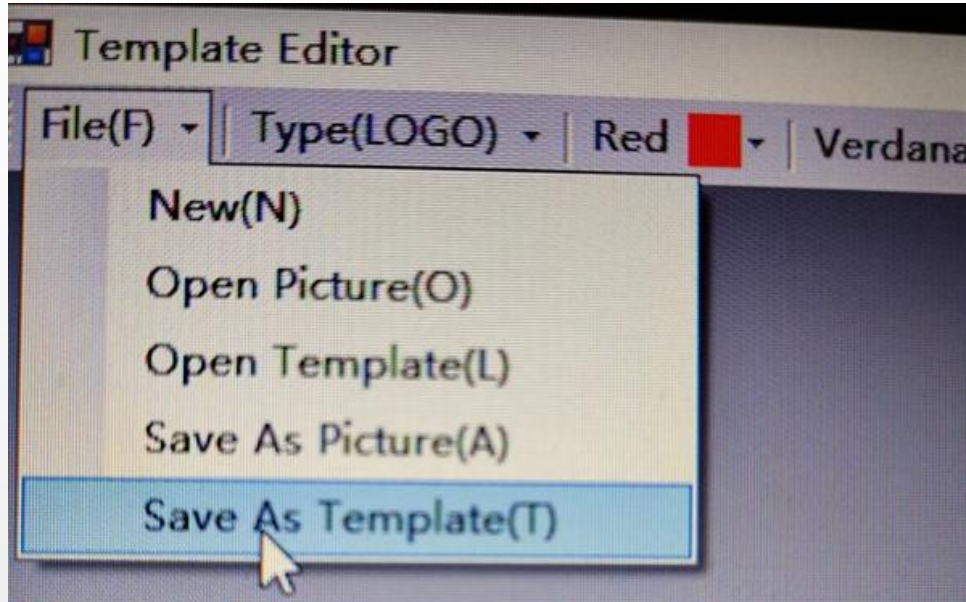**Step 3** Click template to open the template editor.

Step 4 Click the menu of "logo" to put the company name and portrait photo, click the menu of "text" to put the name, position or any other info you would like to have.

You can adjust the photo size, change the font and font size, color.

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Step 5 Save it as template.

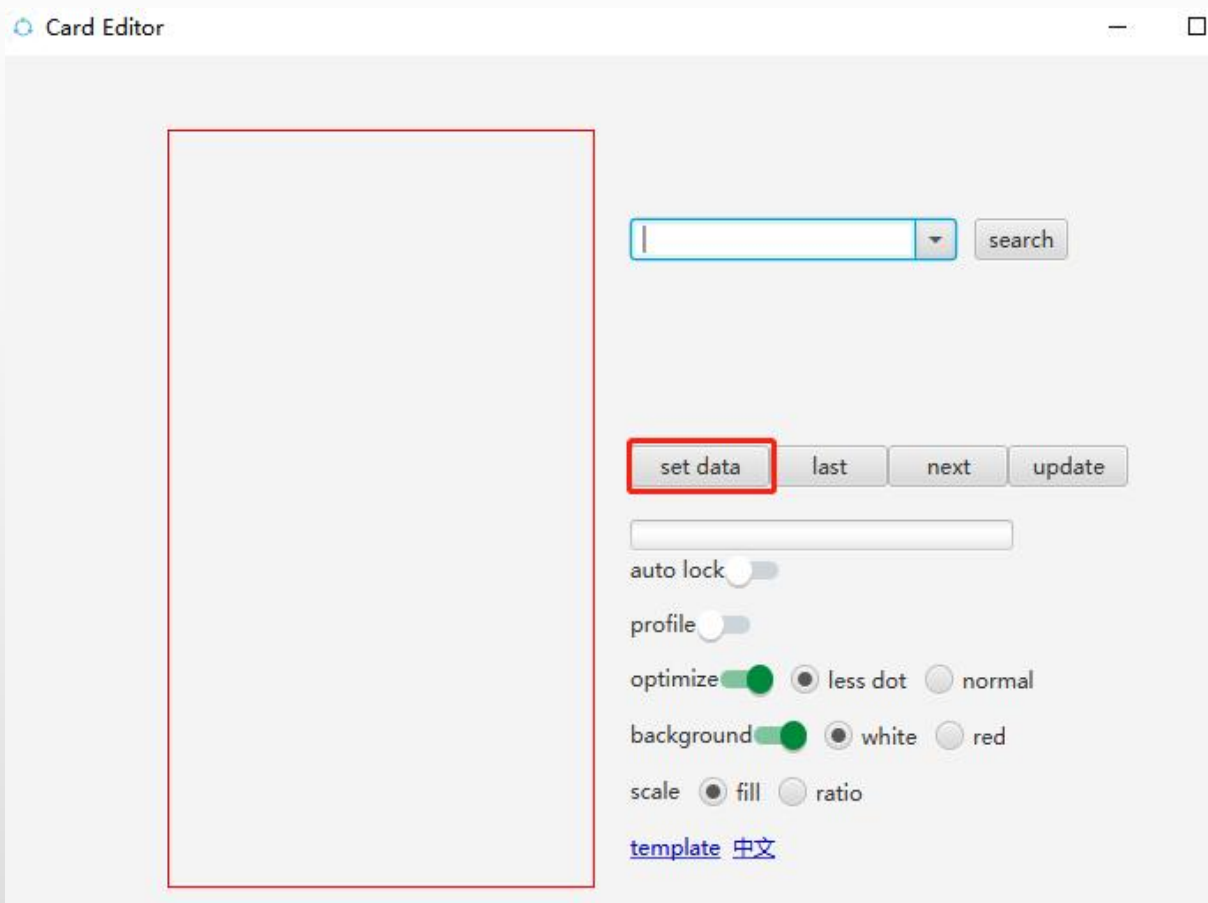**Step 6** Open the new template excel file you have saved, input the name, position.

Copy the logo photo and portrait photo into the icon folder, change the file name to a regular name without a suffix.
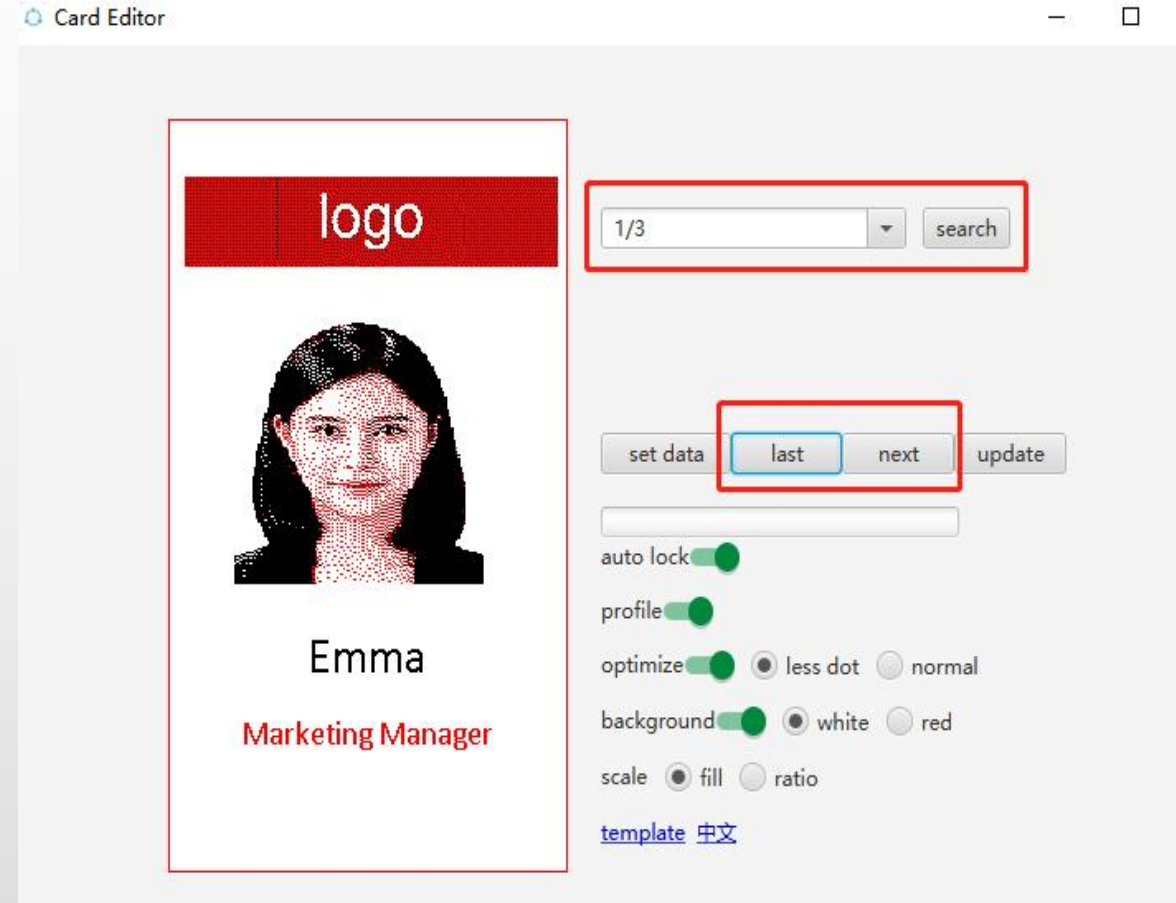
Just as the below table

A	B	C	D
Name	Position	image1	image2
Emma	Marketing Manager	logo	111
Charlotte	Marketing Manager	logo	222
Oliver	Technical Manager	logo	333

Save the excel file, then close it.

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Step 7 Click "set data", import the template excel file you just saved.

Step 8 You will see the data had been imported successfullly. Click "last" or "next" to change the data.

Step 9 To prevent employees from updating the badge screen by themselves, you can do this by clicking "auto lock".

The software comes with picture optimization function, which can be realized by clicking "profile".

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Step 10 Put the badge on the card reader.

Click "update" to update the badge screen.

Click "last" or "next" to change the data, then update the badges one by one.

https://www.youtube.com/watch?v=i0cDKRoZFaE

Video Tutorial of the Electronic Badge PC Software

https://youtu.be/mf3KcPhQ8Kk