

# IDENTconfig

# User Manual

Configuration Tool for ID IDENT series reader

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## Introduction

This software is used to support the one-dimensional and two-dimensional handheld barcode scanners, embedded and fixed barcode scanners, mainly for equipment configuration settings and device interaction. Its main functions include:

- Online device: get the device info and the parameters of the settings, can also modify the settings and interacting with device
- Offline device: can select the corresponding device and configure
- Connect or save the device configuration settings
- Generate configuration QR code
- Language switch

## Supported devices


ID IDENT access control series scanner

Product Name	Name in IDENTconfig tool
ID IDENT 1500 (USB, RS232/485, Wiegand)	MX86
ID IDENT 1500 (Ethernet)	MET
ID IDENT 2000	M300
ID IDENT 4000	MU86

## Download and Installation

The configuration Software can be downloaded from our website

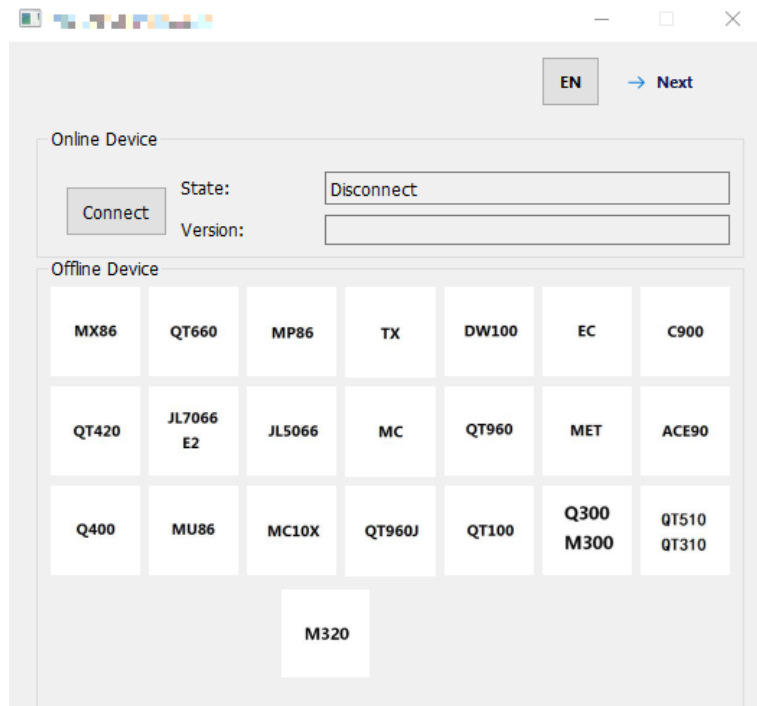
This software do not need to install. It can be used directly after decompressing the zip archive

 IDENTconfigv2.3.17.exe

You only need to execute the “IDENTconfigxxxxx.exe”.

(xxxx means version information)

## 1. Main interface



### Configuration methods

The tool support both online and offline mode.

- Online device: (only support USB connection), the device connect to PC, click connect, it will detect the device and get its settings.
- Offline device: (all the device will need offline config if the device was not USB connection) the users can select the corresponding devices and modify the settings then generate configuration QR code, and scan it to finish the configuration.

### Language switch

The IDENTconfig tool support both Chinese and English, click “中” or “EN”

### Switch interface

If already entered the other interface, click “main” to back to the main interface or click “return”.

You can also switch the configuration interface via Tab

## 2. Online device configuration

### Device info

The VguangConfig can detect the device which connected to PC (**only for USB connection**), click connect device, after success, it will show the device connection status and its firmware version.

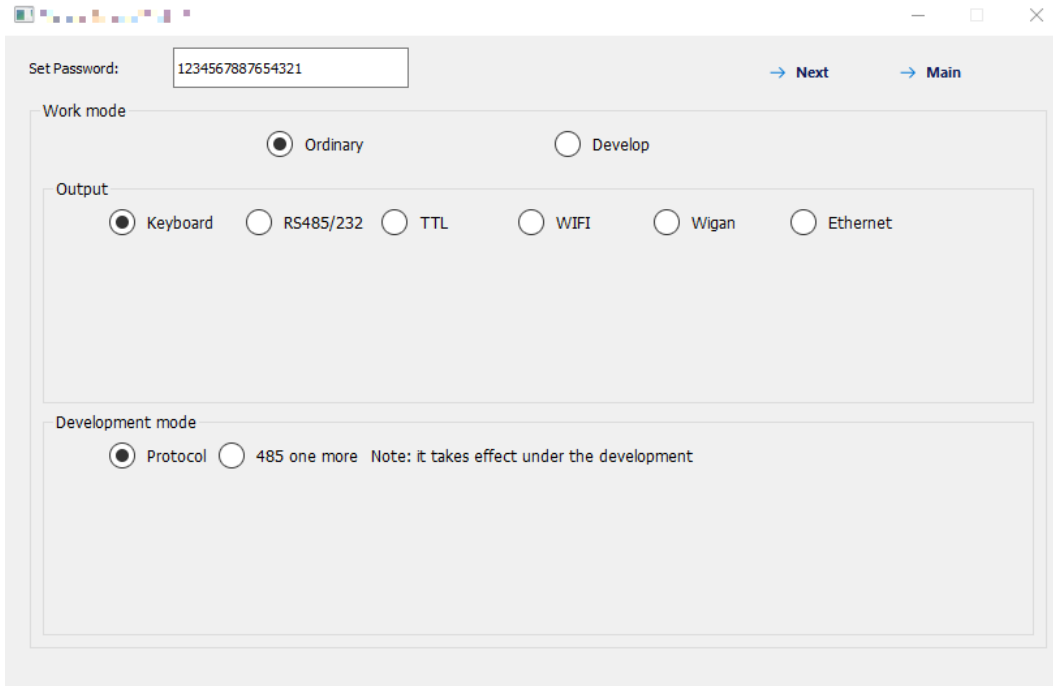
When the device was connected to computer, click connect the tool will connect with the device successfully.

### Note:

If the work mode was develop-USB keyboard-protocol, you will need to configure by scanning the configuration QR code which was generated by the tool. This mode cannot connect the tool.

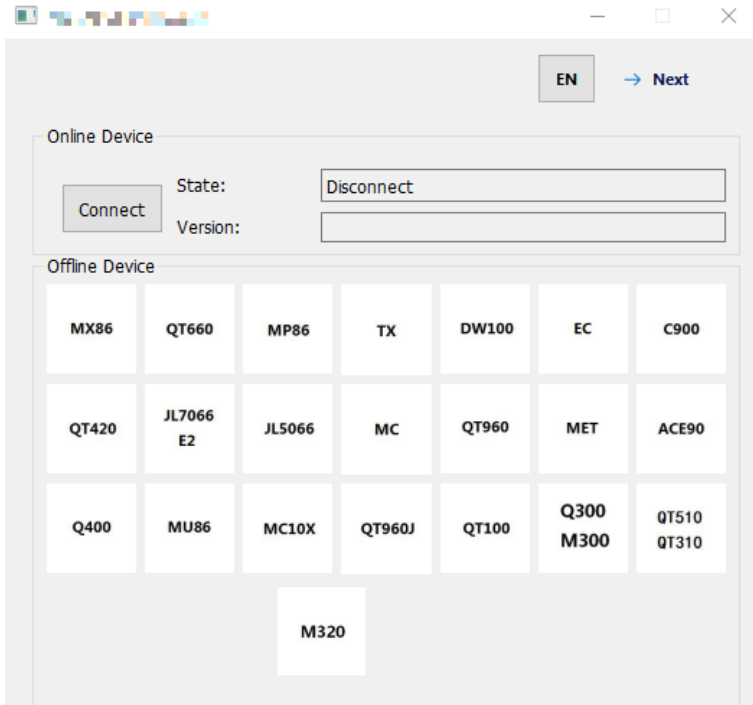
### Device configuration

After the device was connected successful, click “next” in the main interface, then you will see the pic below and you could modify as your needs, and then click next to enter the detail pages.



The screenshot shows the VguangConfig device configuration window. At the top, there is a 'Set Password:' field with the value '1234567887654321' and two buttons: 'Next' and 'Main'. Below this is the 'Work mode' section with two radio buttons: 'Ordinary' (selected) and 'Develop'. Under 'Ordinary', there is an 'Output' section with six radio buttons: 'Keyboard' (selected), 'RS485/232', 'TTL', 'WIFI', 'Wigan', and 'Ethernet'. Below the 'Work mode' section is the 'Development mode' section with two radio buttons: 'Protocol' (selected) and '485 one more'. A note next to '485 one more' states: 'Note: it takes effect under the development'.

### 3. Offline device



EN → Next

Online Device

Connect State: Disconnect

Version:

Offline Device

MX86	QT660	MP86	TX	DW100	EC	C900
QT420	JL7066 E2	JL5066	MC	QT960	MET	ACE90
Q400	MU86	MC10X	QT960J	QT100	Q300 M300	QT510 QT310
M320						

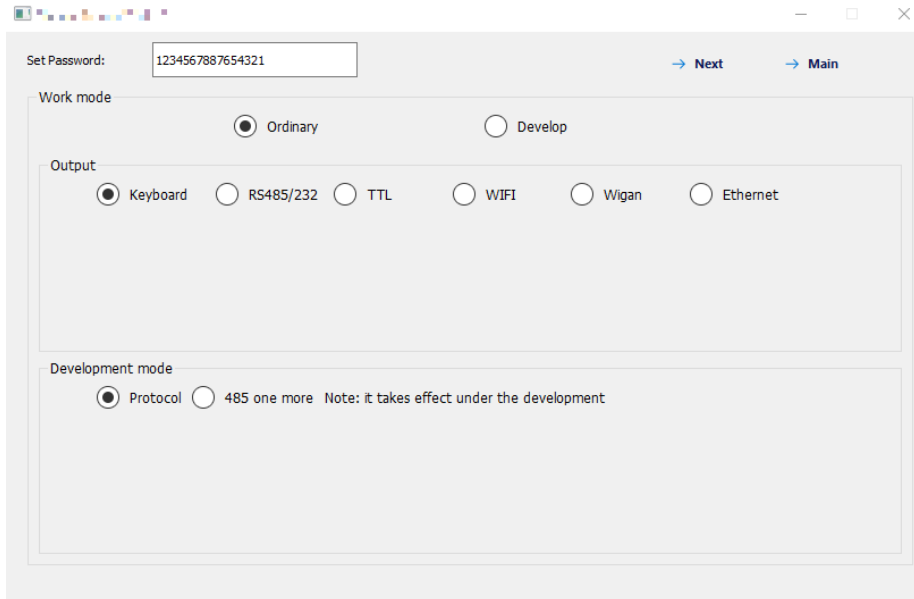
#### Select device

For the devices which cannot connect to the tool, you could select the corresponding device in the tool, and then click next to configure the work mode and other detail etc. The default value of the configuration in the tool was the default configuration value of the device.

#### See about device version info

Type device keyword in the top right corner “find device”, it will show automatically.

## 4. Configuration interface

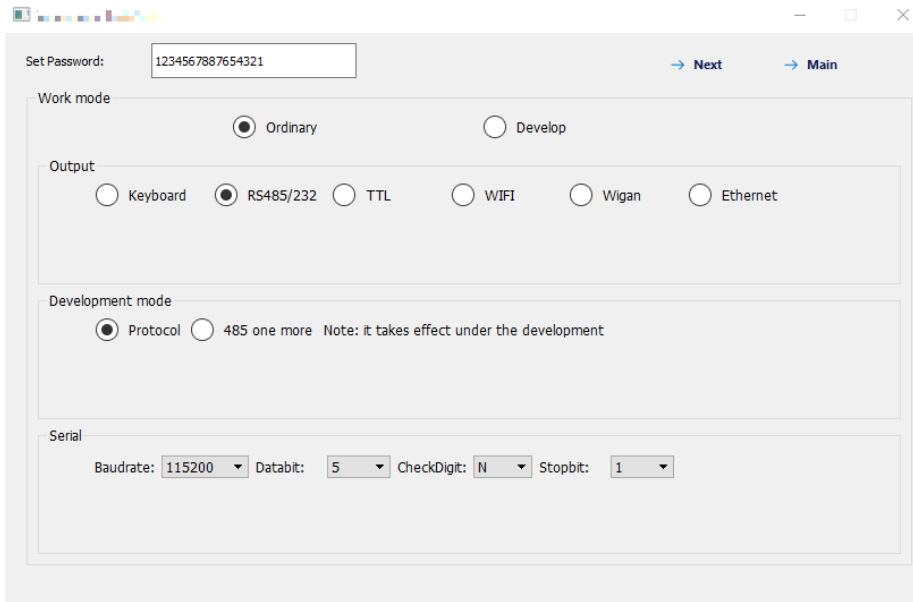


The screenshot shows a web-based configuration interface for an iDTRONIC device. At the top, there is a 'Set Password' field with the value '1234567887654321' and two buttons: 'Next' and 'Main'. Below this is the 'Work mode' section with two radio buttons: 'Ordinary' (selected) and 'Develop'. Underneath is the 'Output' section with six radio buttons: 'Keyboard' (selected), 'RS485/232', 'TTL', 'WIFI', 'Wigan', and 'Ethernet'. At the bottom is the 'Development mode' section with two radio buttons: 'Protocol' (selected) and '485 one more', followed by a note: 'Note: it takes effect under the development'.

### Working mode

This configuration page belongs to the parameter settings of the working mode of the device, which include:

- Working mode: ordinary, develop:  
When need to write a program to control the scanner or calling the scanner output interface, need to use develop mode, the other cases use ordinary mode.
- Output interface:  
Select the corresponding output interface according to the device you purchase.  
One device can only support one output interface.
- Development mode:  
The development mode means the way you choose when doing develop, all the devices select "protocol" at present.
- Serial parameter:  
When the output interface selected RS232/RS485/TTL, need to set up the corresponding serial parameters, such as baud rate, stop bit, check bit, etc.
- Wiegand output format:  
If selected wiegand output, need to specify whether to choose wiegand 26 protocol or wiegand 34 protocol, this two protocol can be switch.



Set Password: 1234567887654321 [Next](#) [Main](#)

Work mode

☒ Ordinary ☐ Develop

Output

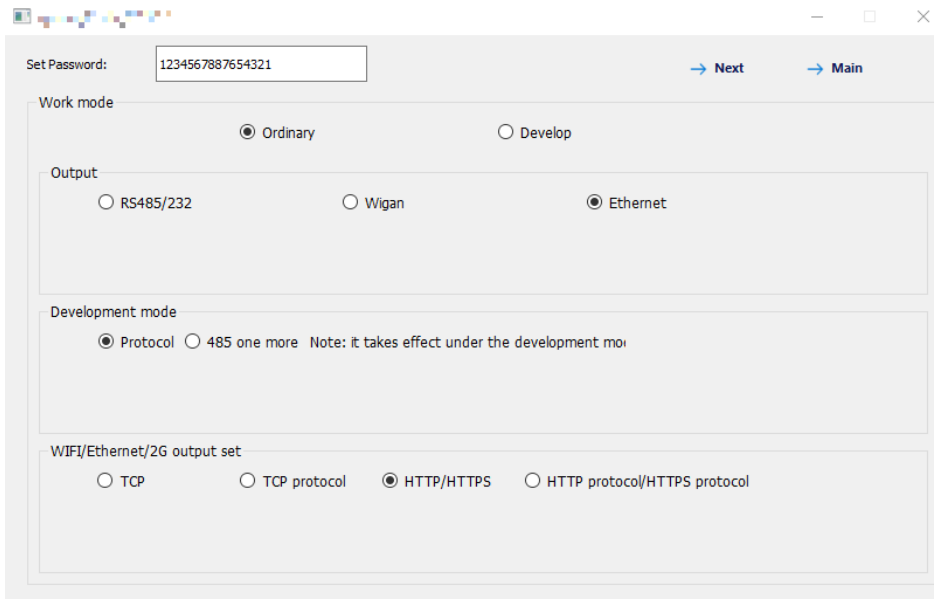
☐ Keyboard ☒ RS485/232 ☐ TTL ☐ WIFI ☐ Wigan ☐ Ethernet

Development mode

☒ Protocol ☐ 485 one more Note: it takes effect under the development

Serial

Baudrate: 115200 Databit: 5 CheckDigit: N Stopbit: 1



Set Password: 1234567887654321 [Next](#) [Main](#)

Work mode

☒ Ordinary ☐ Develop

Output

☐ RS485/232 ☐ Wigan ☒ Ethernet

Development mode

☒ Protocol ☐ 485 one more Note: it takes effect under the development mo

WIFI/Ethernet/2G output set

☐ TCP ☐ TCP protocol ☒ HTTP/HTTPS ☐ HTTP protocol/HTTPS protocol

- WIFI/Ethernet/2G output interface settings  
When the output interface selected WIFI/Ethernet/2G, need to select corresponding networking protocol.

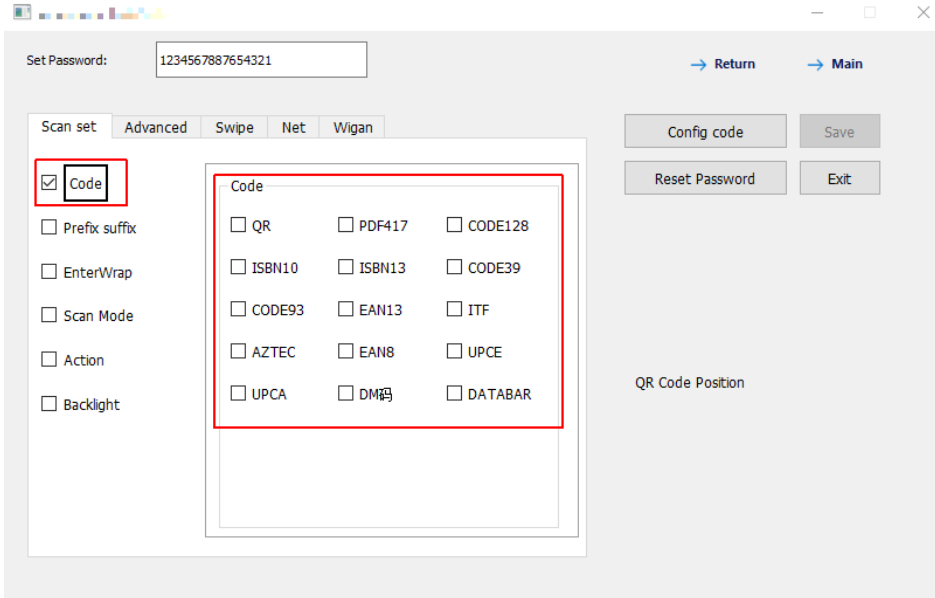
The difference between TCP with TCP protocol, and HTTP with HTTP protocol:

TCP/HTTP pass through the content of the QR code, while TCP protocol/HTTP protocol upload character string which has filed format.

For more details, please check "ID IDENT QR code scanner WIFI interface specification Vx.x"

## Scan set

- **Symbologies:**  
Select the “code” first, and then select the code you need to read in the optional bar



Set Password: 1234567887654321

→ Return → Main

Scan set: Advanced Swipe Net Wigan

☒ **Code**

☐ Prefix suffix

☐ EnterWrap

☐ Scan Mode

☐ Action

☐ Backlight

**Code**

☐ QR ☐ PDF417 ☐ CODE128

☐ ISBN10 ☐ ISBN13 ☐ CODE39

☐ CODE93 ☐ EAN13 ☐ ITF

☐ AZTEC ☐ EAN8 ☐ UPCE

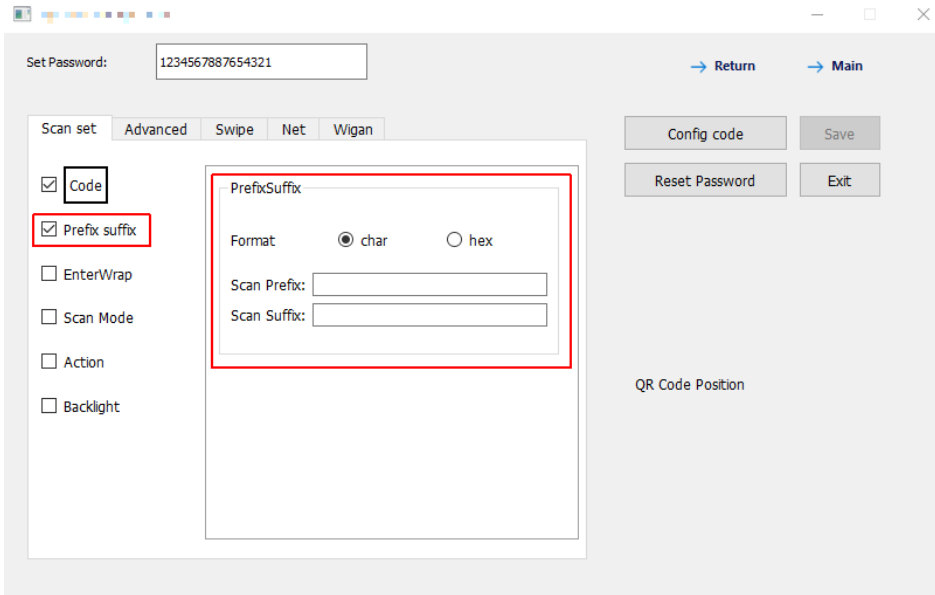
☐ UPCA ☐ DM3 ☐ DATABAR

QR Code Position

Config code Save

Reset Password Exit

- **Prefix and suffix:**  
Select “prefix suffix” first, and then fill in the prefix or suffix content which need to set. The prefix and suffix format setting is supported.



Set Password: 1234567887654321

→ Return → Main

Scan set: Advanced Swipe Net Wigan

☒ **Code**

☒ **Prefix suffix**

☐ EnterWrap

☐ Scan Mode

☐ Action

☐ Backlight

**PrefixSuffix**

Format: ☒ char ☐ hex

Scan Prefix:

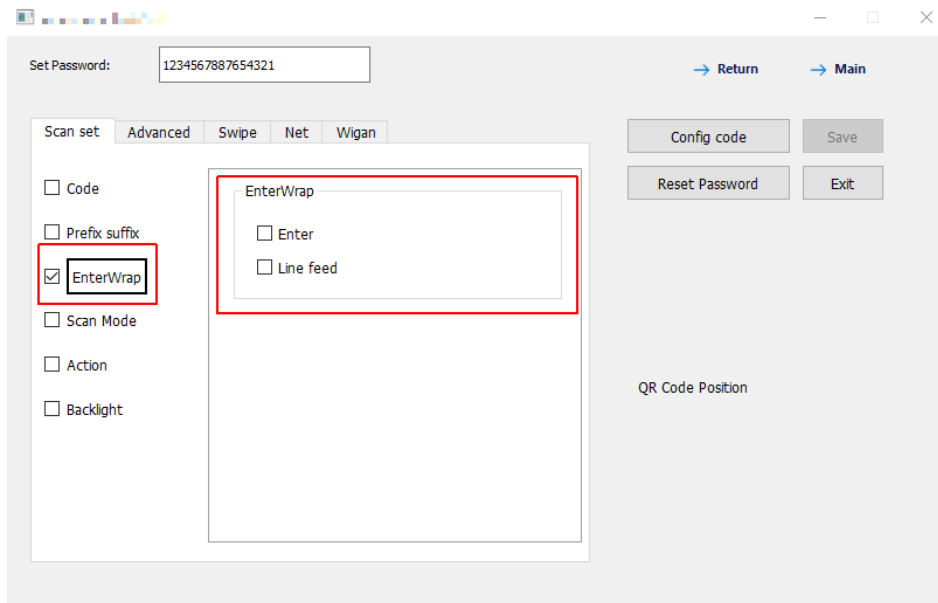
Scan Suffix:

QR Code Position

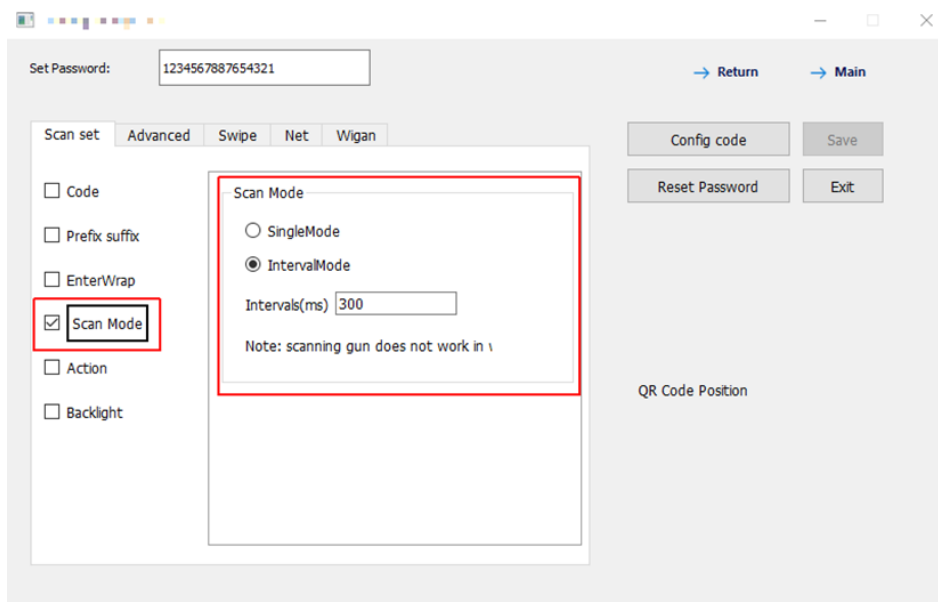
Config code Save

Reset Password Exit

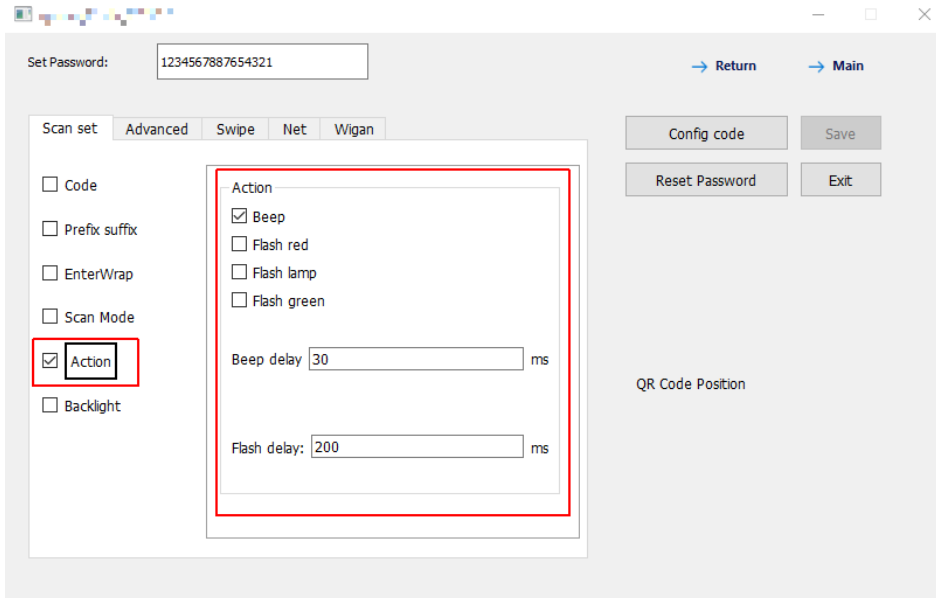
- Enter wrap:  
First select “Enter wrap ”and then select enter or line feed.



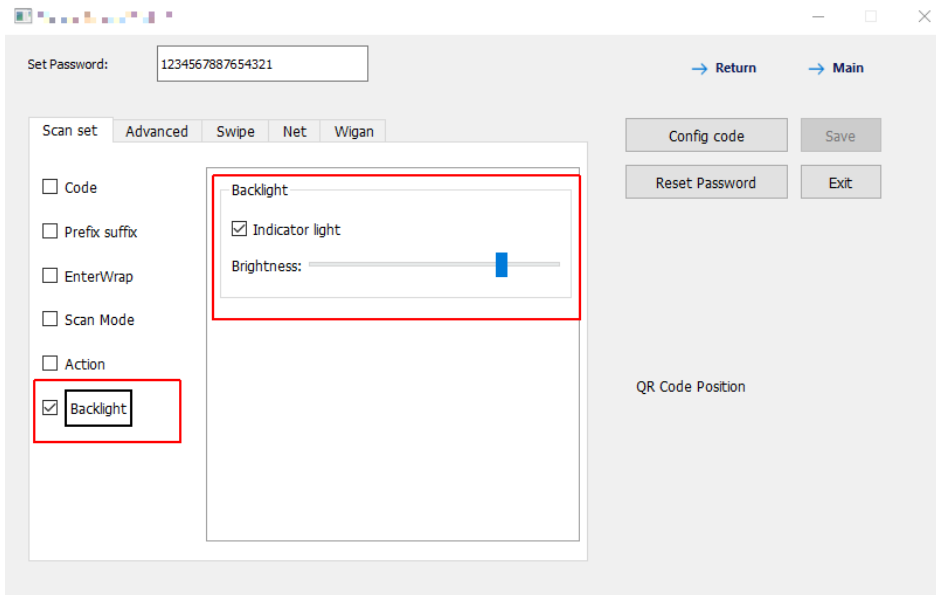
- Scan mode:  
**Single mode** means that the same QR code cannot be scanned twice continuously, for example, I scanned A QR code one time, then I can't scan A QR code again, but, if I scan A QR code one time then scan B QR code one time, after this I can scan A QR code again.  
**Interval mode** means the interval time between the two scan of the same QR code. The unit is ms, if need 1 second interval, then fill in 1000.



- **Action:**  
The “action” means the device feedback after the device scanned the QR code.  
According to the function that the device supported, it can be beep, or flash light of different color. The delay means the length of the action, default is okay for most cases.



- **Backlight:**  
Backlight means the white light fill light in the scanner, or the green indicator of the MP86 reader

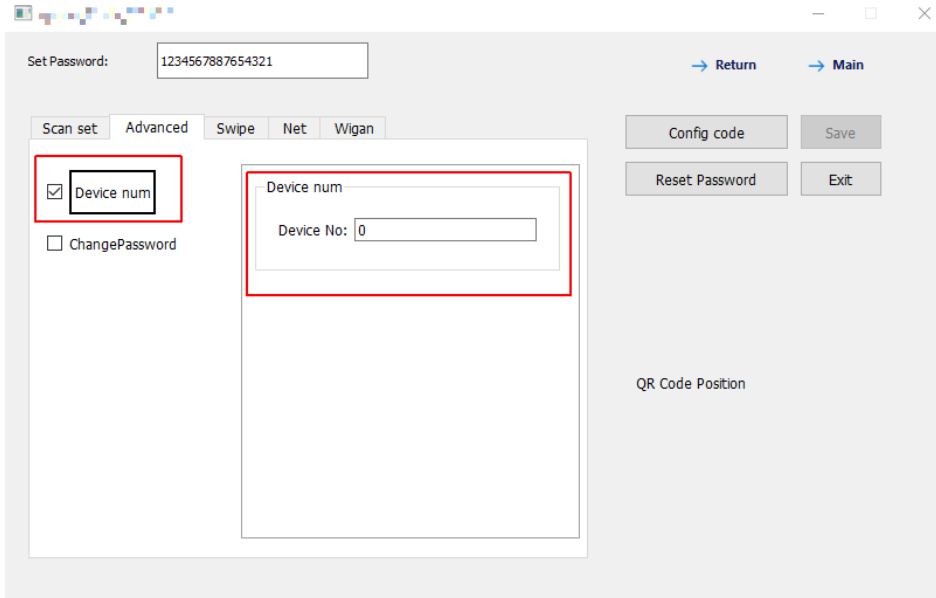


## Advanced settings

- Device number:

The device number can be set, the device number can be obtained via the protocol instruction, or in the Ethernet/WiFi output can be uploaded to the server together with the QR code contents.

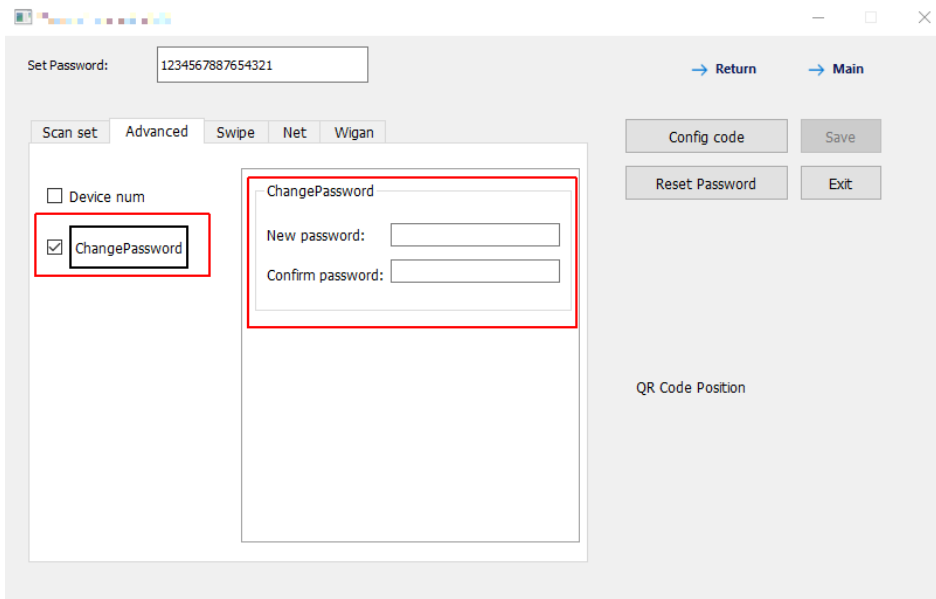
**The content of the device number can only be integer data.**



The screenshot shows the 'Advanced' configuration tab. At the top, there is a 'Set Password' field with the value '1234567887654321'. Below it, there are tabs for 'Scan set', 'Advanced', 'Swipe', 'Net', and 'Wigan'. In the 'Advanced' tab, the 'Device num' checkbox is checked and highlighted with a red box. To its right, there is a 'Device num' section with a 'Device No:' label and a text input field containing the value '0'. Other options like 'ChangePassword' are unchecked. On the right side of the interface, there are buttons for 'Return', 'Main', 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

- Change the configuration password:

The configuration password can be changed in case of someone tampering it, please keep the new password in mind, will need to fill in the new password first then start config when next configuration is needed.

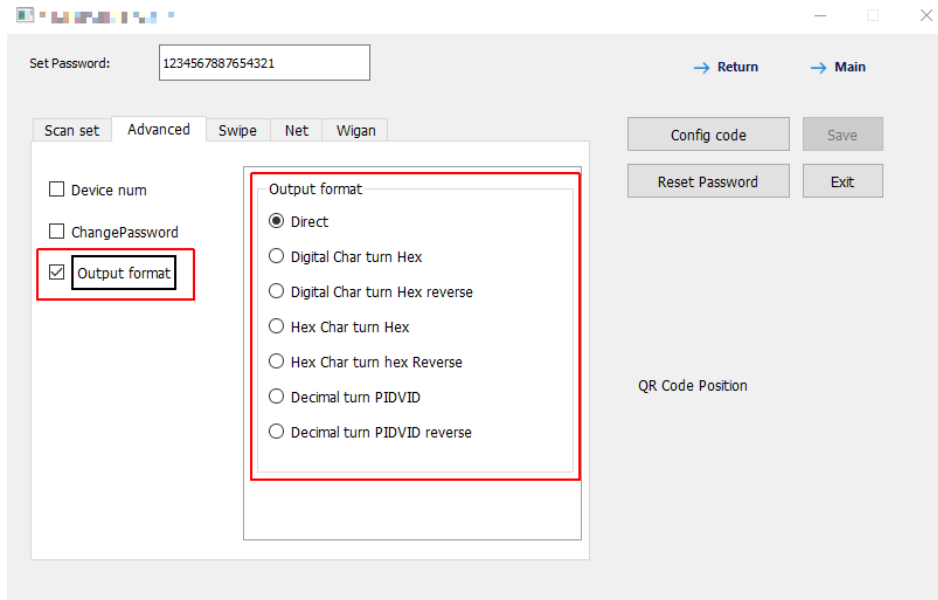


The screenshot shows the 'Advanced' configuration tab. At the top, there is a 'Set Password' field with the value '1234567887654321'. Below it, there are tabs for 'Scan set', 'Advanced', 'Swipe', 'Net', and 'Wigan'. In the 'Advanced' tab, the 'ChangePassword' checkbox is checked and highlighted with a red box. To its right, there is a 'ChangePassword' section with two input fields: 'New password:' and 'Confirm password:'. Other options like 'Device num' are unchecked. On the right side of the interface, there are buttons for 'Return', 'Main', 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

- Output format:

This option are only for wiegand device, for the other output device, please select “direct” output, otherwise there may have no data output when scan code.

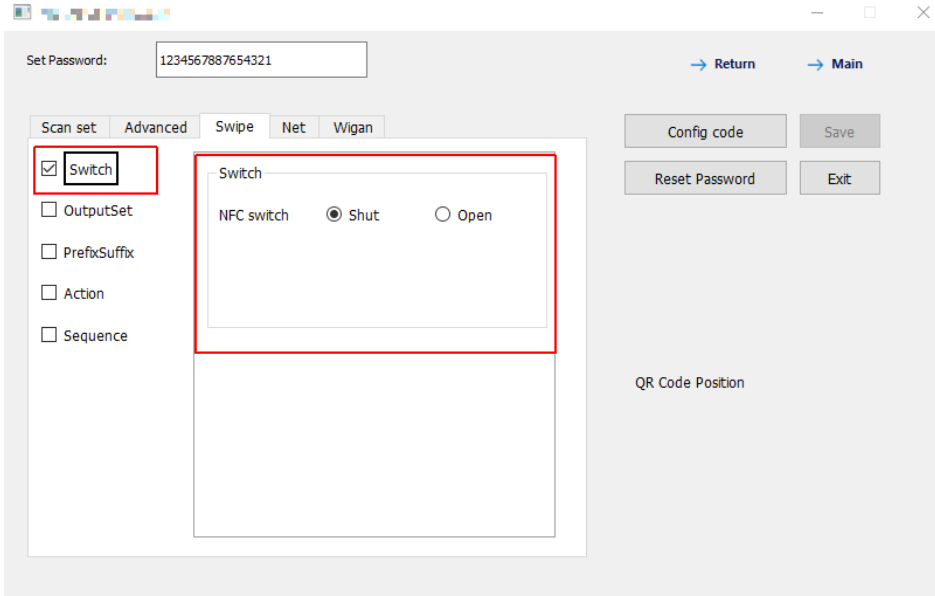
If the device was wiegnd output then select from the other format except the “direct”, select according to the controller you were using. You can also refer the configuration code below.



## Card swipe set

- Card swipe switch:

If need to read cards then select “switch” first and then select NFC switch.

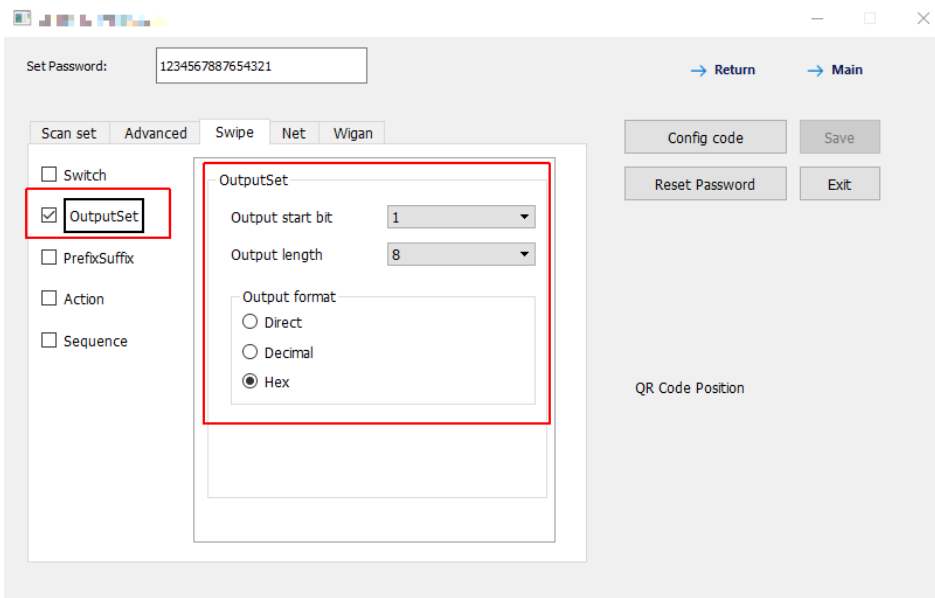


The screenshot shows the 'Set Password' window with the password '1234567887654321'. The 'Swipe' tab is selected. In the left sidebar, the 'Switch' checkbox is checked and highlighted with a red box. The main area shows the 'Switch' configuration with the 'NFC switch' set to 'Shut' (radio button selected). Other options like 'OutputSet', 'PrefixSuffix', 'Action', and 'Sequence' are unchecked. On the right, there are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

- Output set:

The card output set can be set, if the device was wiegand output, mostly select “direct”, for other output methods select as your needs.

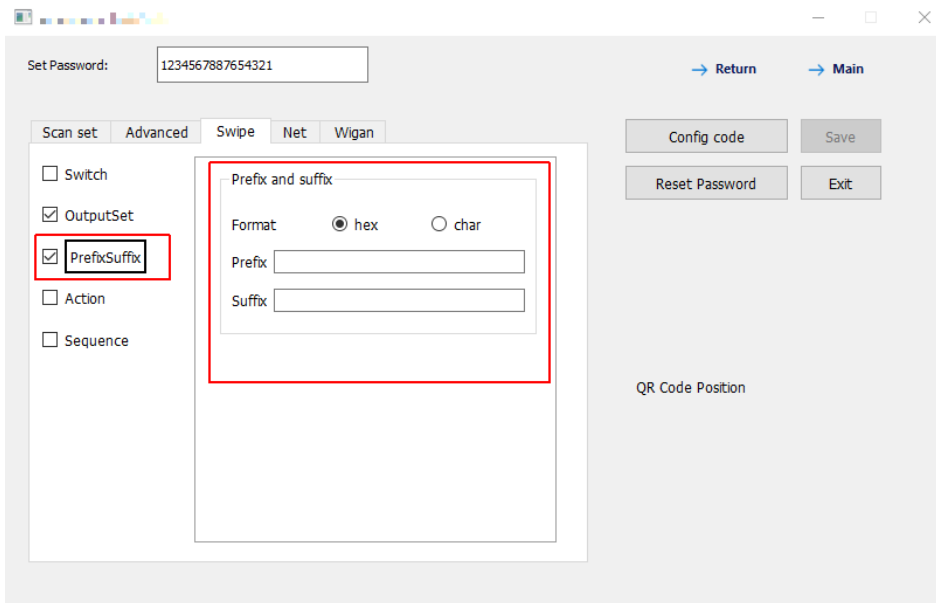
The “start output bit” are only valid for Chinese ID card.



The screenshot shows the 'Set Password' window with the password '1234567887654321'. The 'Swipe' tab is selected. In the left sidebar, the 'OutputSet' checkbox is checked and highlighted with a red box. The main area shows the 'OutputSet' configuration with 'Output start bit' set to '1' and 'Output length' set to '8'. Under 'Output format', the 'Hex' radio button is selected. Other options like 'Switch', 'PrefixSuffix', 'Action', and 'Sequence' are unchecked. On the right, there are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

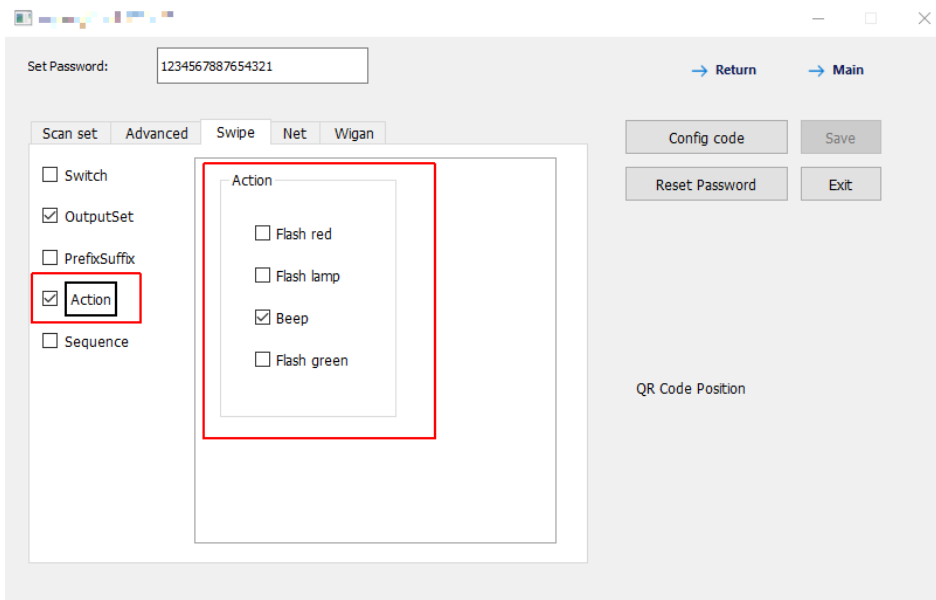
- **Prefix and suffix:**

This function can be use for adding prefix and suffix for card number.

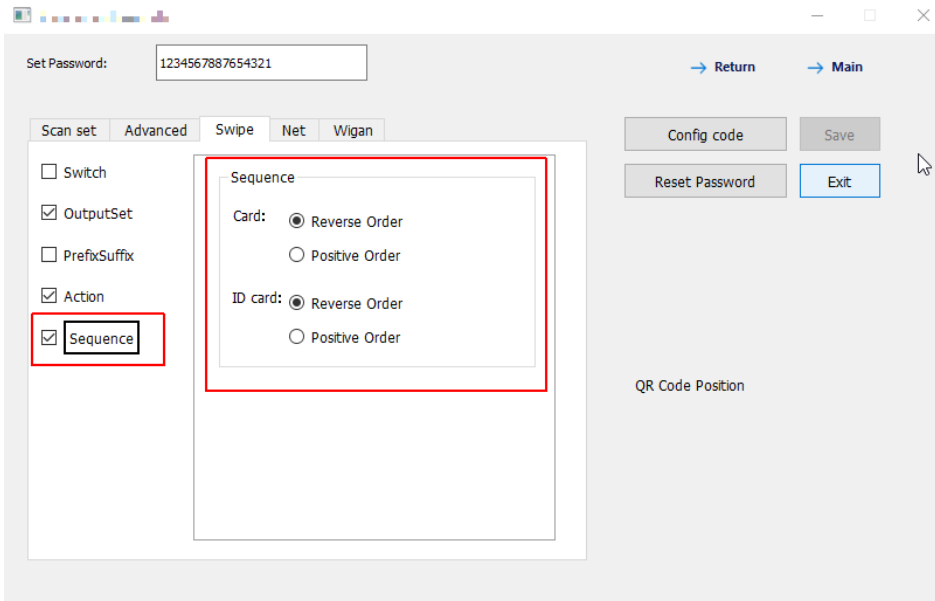


- **Swipe action:**

Swipe action means the action when the reader read cards.



- **Sequence:**  
Support the card number output in positive order or reverse order.



Set Password: 1234567887654321

→ Return → Main

Config code Save

Reset Password Exit

QR Code Position

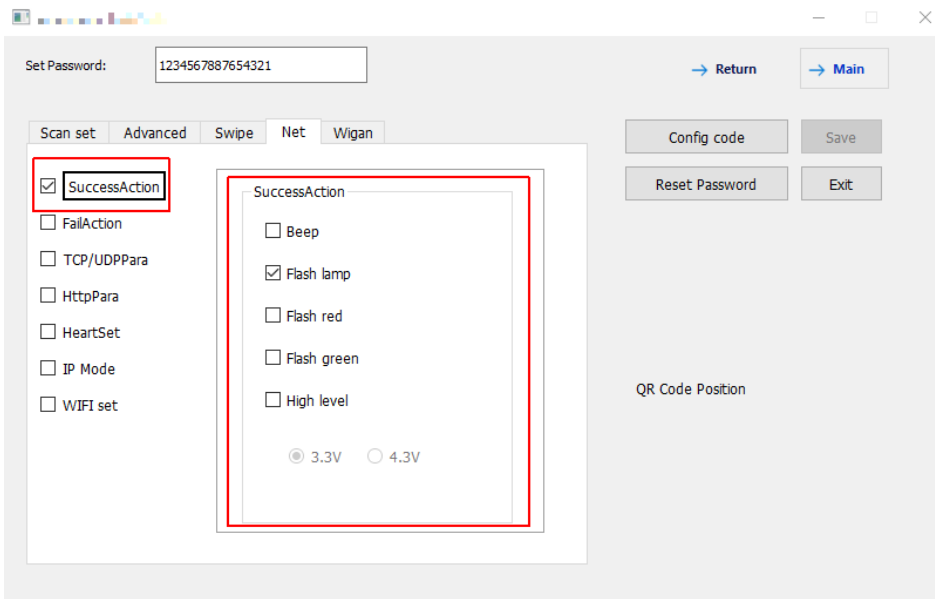
Sequence

Card: ☒ Reverse Order  
☐ Positive Order

ID card: ☒ Reverse Order  
☐ Positive Order

## Network settings

- **Ssuccess action:**  
it means the action that the data was sent successfully via internet. If set TCP protocol mode or HTTP protocol mode, after the server received data, it will return "code=0000" first, then will shows the success action, error value or didn't return will shows fail action



Set Password: 1234567887654321

→ Return → Main

Config code Save

Reset Password Exit

QR Code Position

SuccessAction

☐ Beep

☒ Flash lamp

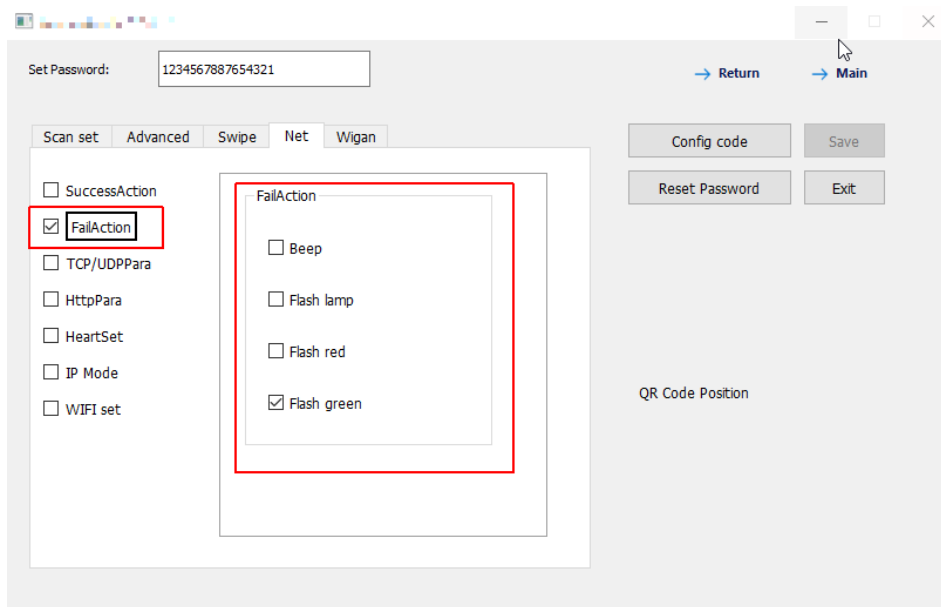
☐ Flash red

☐ Flash green

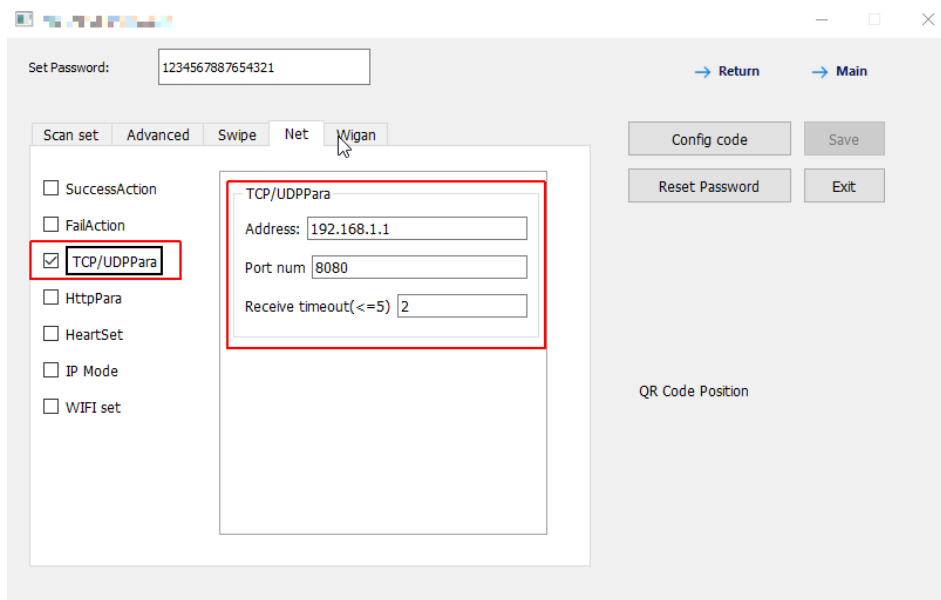
☐ High level

☒ 3.3V ☐ 4.3V

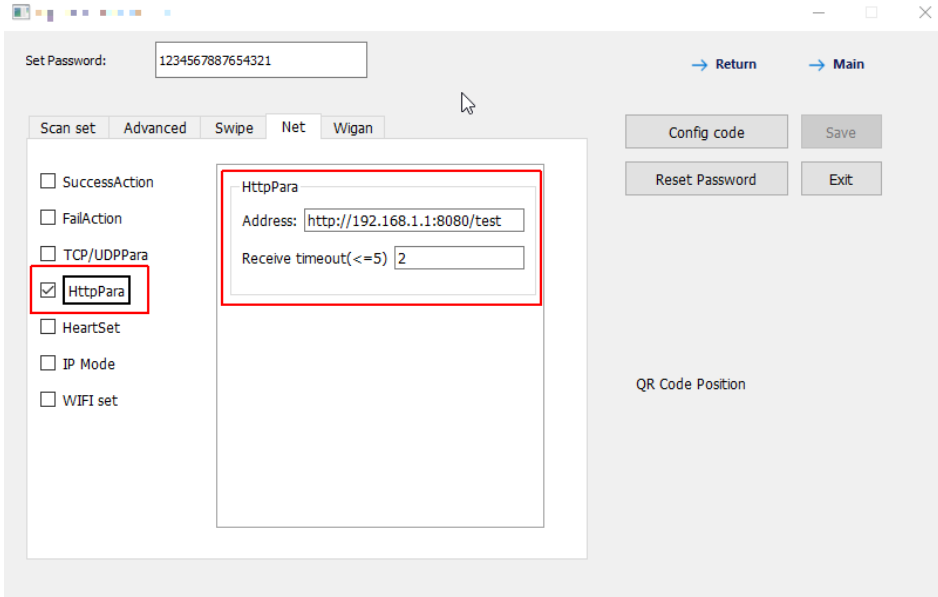
- **Fail action:**  
it means the action that the data was sent successfully via internet. If set TCP protocol mode or HTTP protocol mode, after the server received data, it will return "code=0000" first, then will shows the success action, error value or didn't return will shows fail action



- **TCP/UDDP parameter:**  
Set the TCP server address, port number, and time-out period. (within 5 seconds)

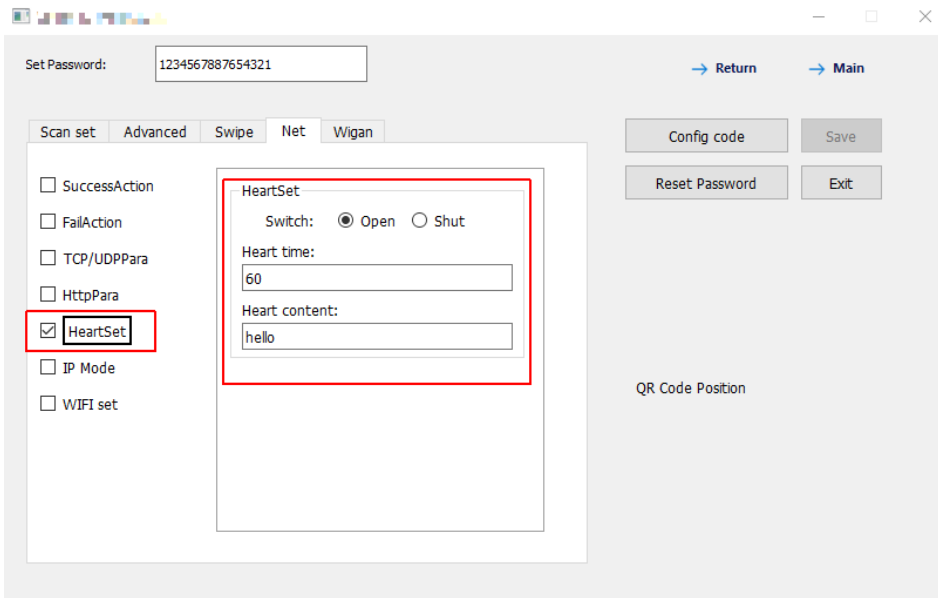


- HTTP parameter:  
Set the HTTP server address (http://serveraddr:port/path)



The screenshot shows the 'Net' tab in the configuration interface. The 'HttpPara' checkbox is selected and highlighted with a red box. The 'HttpPara' settings are also highlighted with a red box, showing the 'Address' field set to 'http://192.168.1.1:8080/test' and the 'Receive timeout(<=5)' field set to '2'. The 'Set Password' field at the top contains the value '1234567887654321'. Navigation buttons 'Return' and 'Main' are visible at the top right. Action buttons 'Config code', 'Save', 'Reset Password', and 'Exit' are on the right. A 'QR Code Position' label is also present.

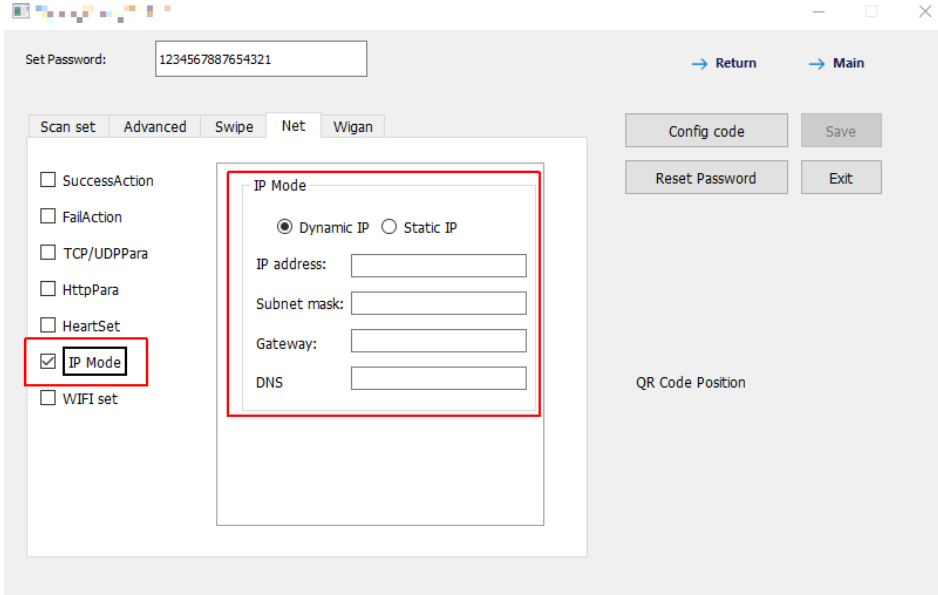
- HeartSet:  
The heartbeat can be set under TCP mode, the http mode is not supported



The screenshot shows the 'Net' tab in the configuration interface. The 'HeartSet' checkbox is selected and highlighted with a red box. The 'HeartSet' settings are also highlighted with a red box, showing the 'Switch' set to 'Open', the 'Heart time' field set to '60', and the 'Heart content' field set to 'hello'. The 'Set Password' field at the top contains the value '1234567887654321'. Navigation buttons 'Return' and 'Main' are visible at the top right. Action buttons 'Config code', 'Save', 'Reset Password', and 'Exit' are on the right. A 'QR Code Position' label is also present.

- IP mode:

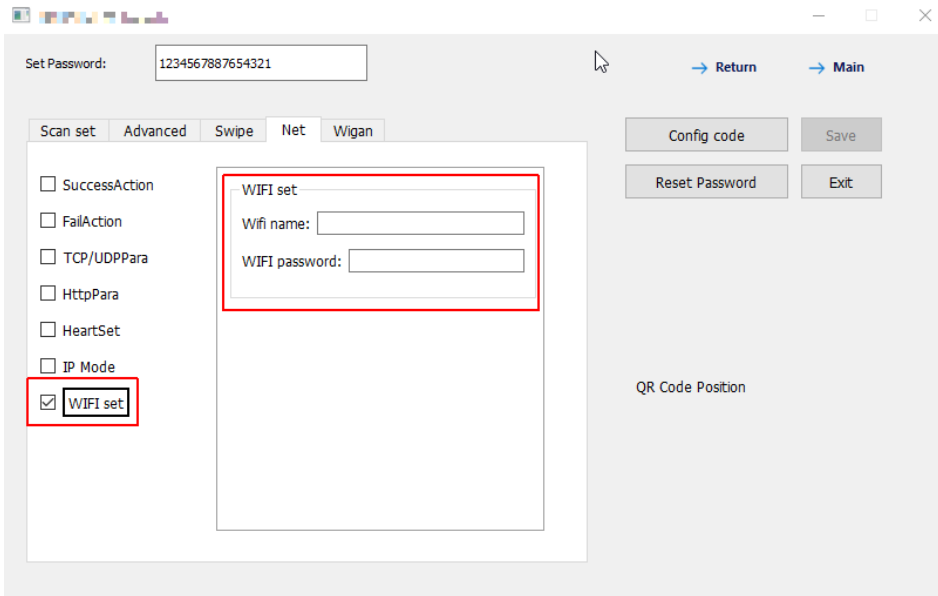
Support dynamic IP and static IP configuration, for static IP, need to fill in the IP address, sub-off mask, gateway. On dynamic, IP not needed to set.



The screenshot shows the 'Set Password' window with the password '1234567887654321'. The 'Net' tab is selected. In the left sidebar, 'IP Mode' is checked and highlighted with a red box. The main panel shows the 'IP Mode' configuration with 'Dynamic IP' selected. Below it are input fields for 'IP address:', 'Subnet mask:', 'Gateway:', and 'DNS'. On the right, there are buttons for 'Return', 'Main', 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

- WIFI setting:

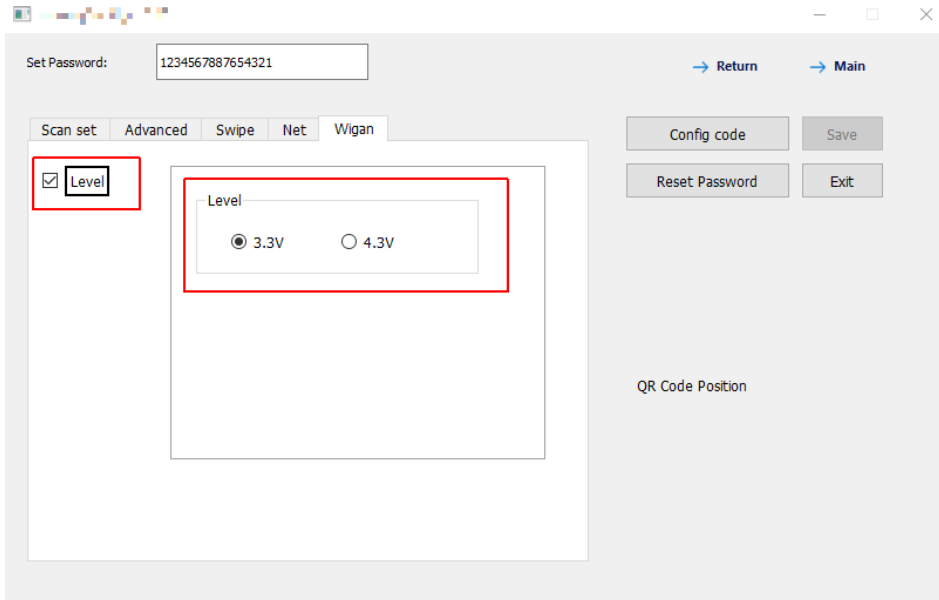
This option is used to configure the WiFi account and password that the device is going to connect.



The screenshot shows the 'Set Password' window with the password '1234567887654321'. The 'Wigan' tab is selected. In the left sidebar, 'WIFI set' is checked and highlighted with a red box. The main panel shows the 'WIFI set' configuration with input fields for 'Wifi name:' and 'WIFI password:'. On the right, there are buttons for 'Return', 'Main', 'Config code', 'Save', 'Reset Password', and 'Exit'. A 'QR Code Position' label is also visible.

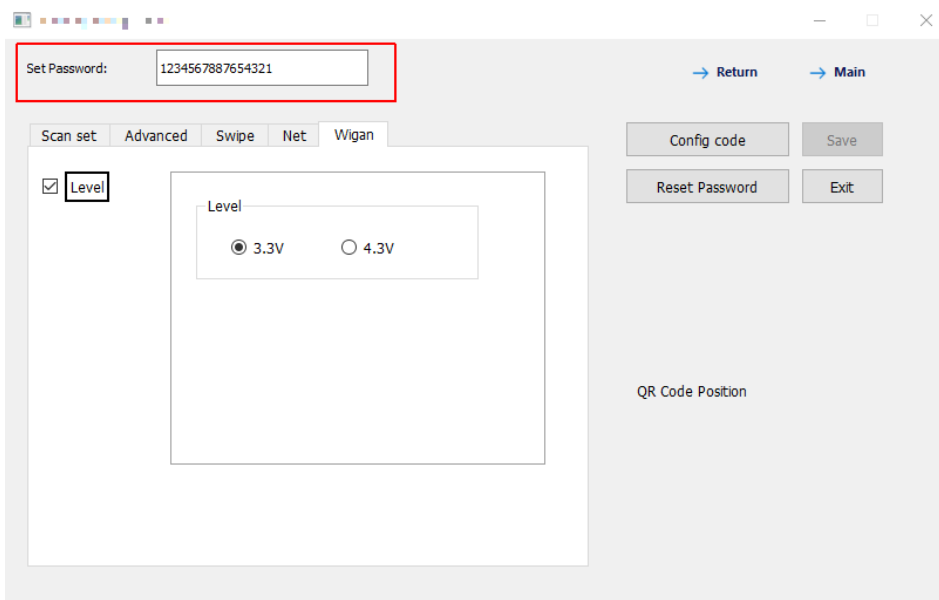
## Wiegand settings

- Level control:  
MX86 wiegand level has 3.3v and 4.3v, 4.3v can drive 5v wiegand level.  
MX86 support to change level while others do not support.



## Configure the password

When fill in the configuration, will need to fill in the password (default: 1234567887654321) first.  
If changed the password in advanced setting, then fill in the changed password.

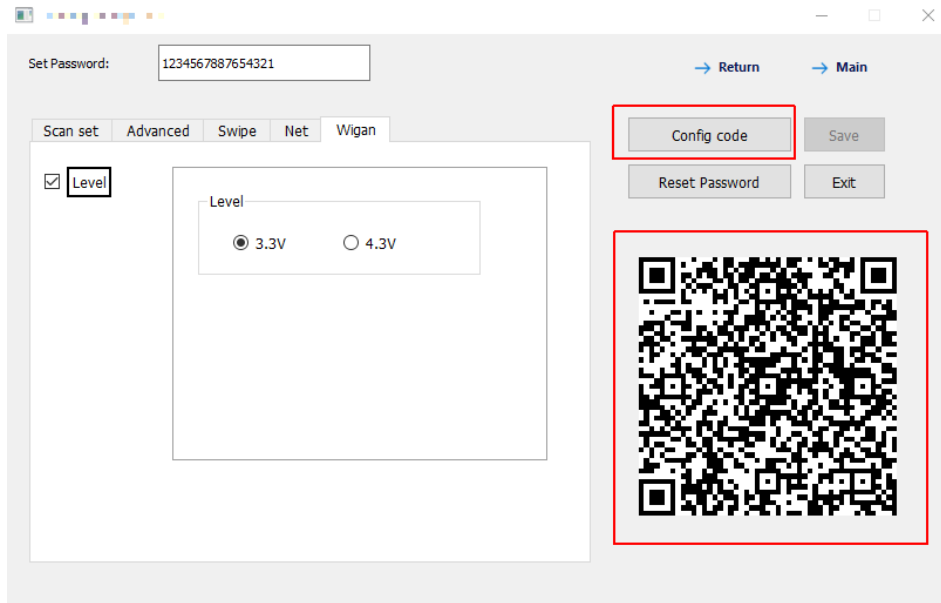


## Generate the configuration QR code

After configured all the above options, click “config code”, a configuration QR code will shows in the right corner. Then use the scanner to scan it, after beep sound or light feedback, it means configuration success.

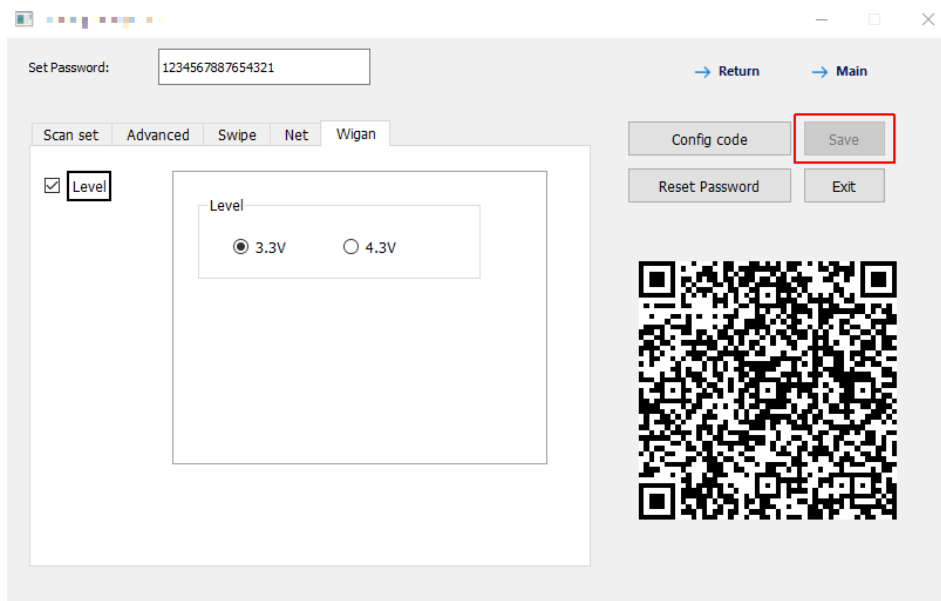
Now power off and restart the scanner so that the configuration will become valid.

The above options do not need to select all, just configure as your needs.



## Save configuration

For the online device, you can click ‘save’ to save the configuration, after shows success, power off and restart the scanner so the new configuration will become valid.



## Reset the default password

If forget the changed password, can use online configure, after connected to the tool, click “reset password” the password will become the default password (1234567887654321)

The screenshot displays the iDTRONIC online configuration interface. At the top, there is a 'Set Password:' field containing the default password '1234567887654321'. To the right of this field are two buttons: 'Return' and 'Main'. Below the password field, there are five tabs: 'Scan set', 'Advanced', 'Swipe', 'Net', and 'Wigan'. The 'Level' checkbox under the 'Scan set' tab is checked. A sub-section titled 'Level' contains two radio buttons: '3.3V' (selected) and '4.3V'. On the right side of the interface, there are four buttons: 'Config code', 'Save', 'Reset Password' (highlighted with a red box), and 'Exit'. Below these buttons is a large QR code.

## 5. FAQ

In the configuration tool, it shows connect failed when click connect device.

- only the USB device can connect to the configuration tool, while the others need to scan the configuration code to config, which means generate the configuration QR code then use the scanner to scan.
- when the USB device was configured into develop mode, it may cannot connect to the tool, can scan the configuration QR code to configure the scanner to ordinary mode then connect to the tool.
- Maybe the USB port of the computer was occupied by other programs. You could scan the configuration QR code to config.

When scanning configuration QR code, there is no response

- If changed password, then use the changed password to generate the configuration QR code. If the changed password was lost, connect the config tool then click “reset password”, after this you could use the default password “1234567887654321” to configure. If cannot connected to the tool, please contact customer service.
- Please check whether the format of the configuration was correct, for example: if the HTTP server address added port number, if the prefix and the suffix format which was selected and filled in the tool was correct, whether the device number was “Int” data.
- The configuration QR code which was generated by the tool, it’s better to send a screenshot to mobile phone rather than take a photo then use the scanner to scan.

When scanning barcodes there is no response.

- Whether the device was configured the scanning barcodes function, if not, you could configure it in the tool. If still cannot scan after configuration, please contact customer service.

After the device was configured, there is no output content.

- The different output interface has different testing methods. For the USB device, you could see the output content in a TXT or Word file, for the serial device (RS232, TTL etc), you will need to see the output content in a serial debugging tool, for the wiegand device, need to see the output content in the wiegand controller background, and for the Ethernet and WiFi device, you will need to build server first then receive data.

After scanning there is error code or messy code.

- In the develop mode, the data upload by the scanner was according to the communication protocol, including command header, command word etc, you could refer to the communication protocol to proceed the data parsing.

## 9. Contact info

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