

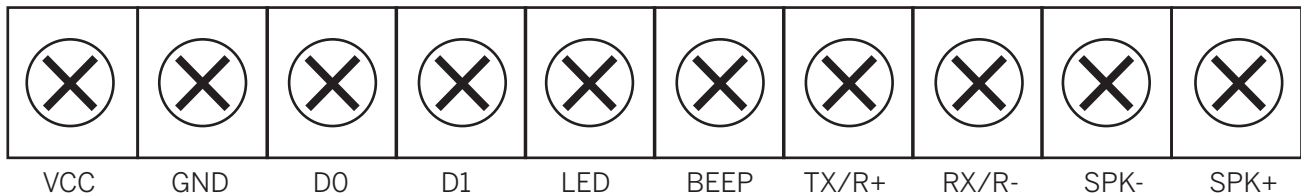
S4A User Manual QR code Access Reader (EM or Mi fare type)

QR Code Access Card Reader is our new intelligent Access Card Reader, Fast reading speed, High recognition rate, Strong compatibility, can connect to any Wiegand input controller,widely used at Office access management, Tourism management,Community visitor access management, Administration Service Hall management, Gates access control, Visitors intelligent machines, Smart home; Upgrade old access control systems etc.

Specifications

Dimension	86L X 86W X 42H (mm)	working current	800mA
Material	PC and Tempered glass	reading direction	45°
Port	Wiegand, RS485,RS232,USB, TCP/IP	reading speed	<200ms
Decode support	QR and One dimensional code	reading distance	0-20CM
Voltage	4-15V input	operation system	Windows (XP7,8,10) Linux

Wire connection



VCC	GND	D0	D1	LED	BEEP	TX/R+	RX/R-	SPK-,SPK+
DC12V	GND	DATA0	DATA1	LED indicate	Sound	RS232+/ RS485+	RS232-/ RS485-	Not defined

Rj45 : connect to network, PC software setting reader parameter ; apply to HTTP mode
 micro-USB : For USB virtual keyboard and USB virtual serial port mode communication.


1: Do not connect the power to the SPK+ and SPK- ports.

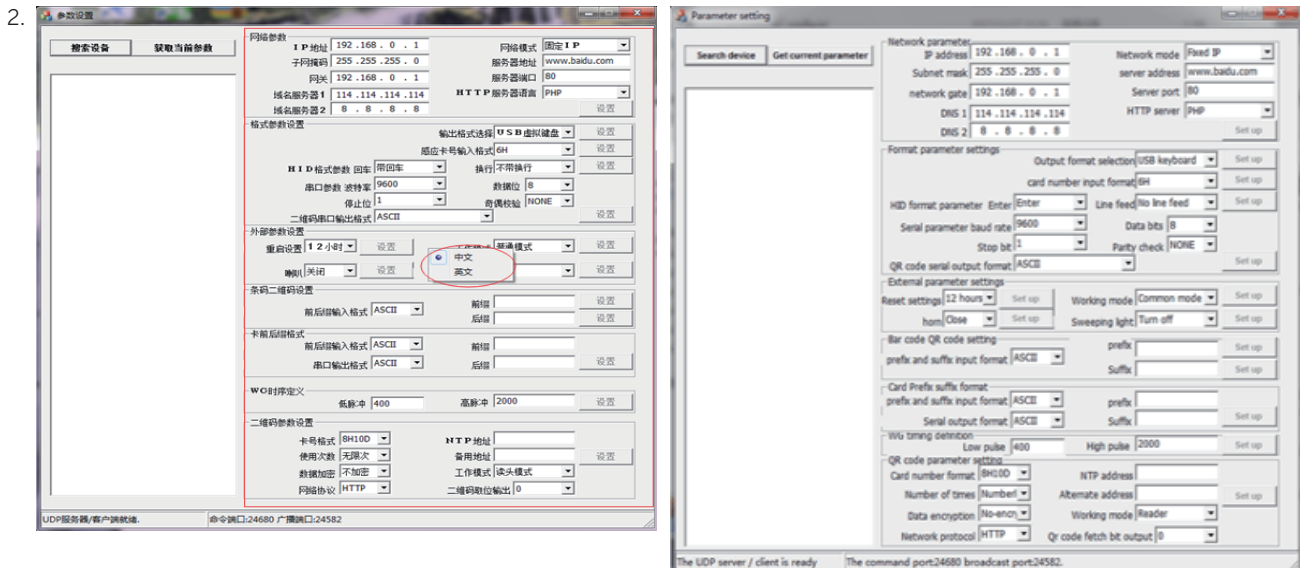
2:Wiegand output, QR code shall comply with the principle of combination of hexadecimal number 0-F, the QR code in accordance with this principle, controller can receive the card data; QR code not in accordance with the principle, the controller can not receive the card data.

3: Wiegand output. Default QR code output is decimal number

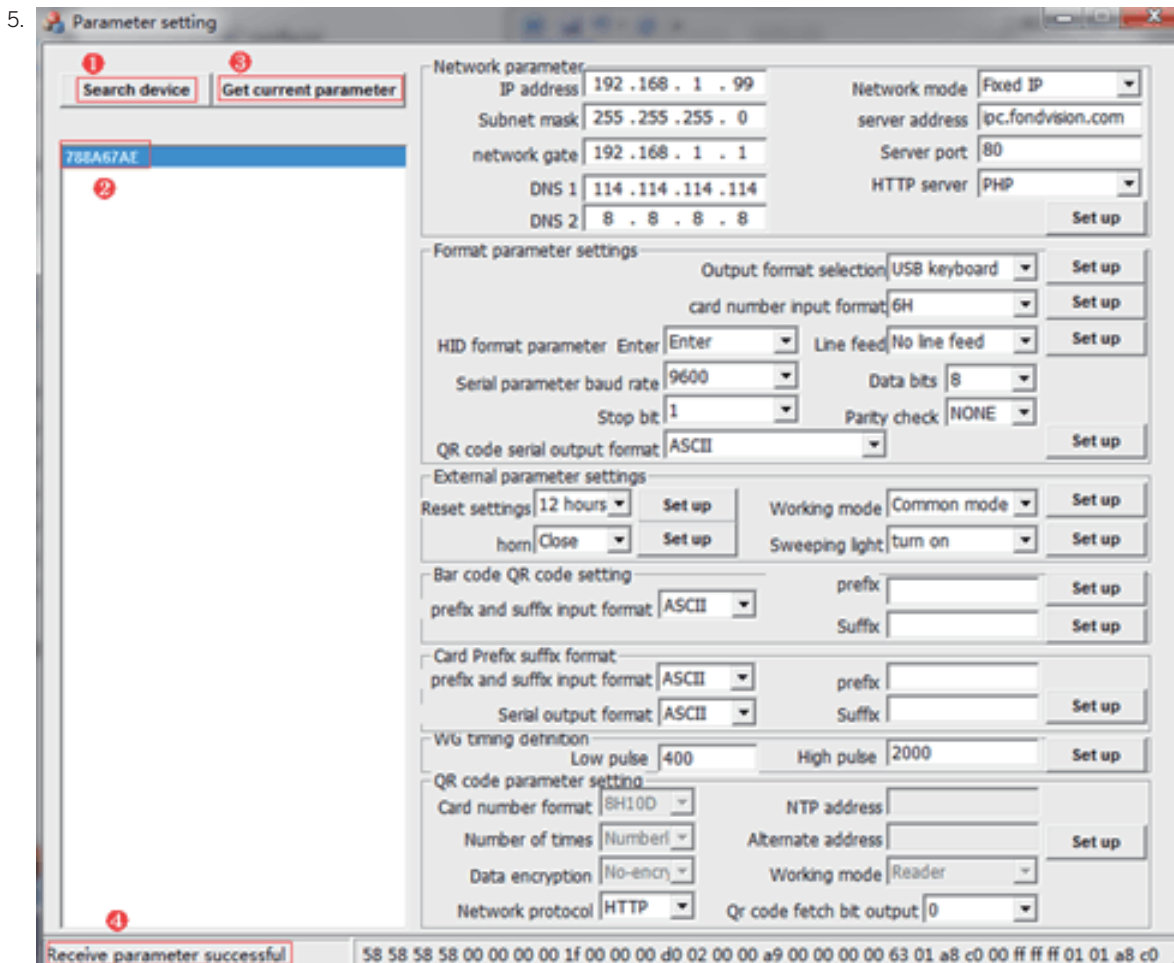


How to work out the demo software

1. Double click on "  二维码读卡器参数设置.exe ", enter QR code Reader parameter setting page, Chinese-English switch ,mouse right click within the red frame area,it will pop out the language selection, click 英文change to English



3. Use mini USB data cable connect the QR code reader to PC, fill-in light on, buzzer rings, QR code reader start done, then use the internet cable connect the QR code Reader to PC.
4. QR code Reader default fixed IP is 192.168.1.99, client PC manual setting the same network segment with the QR code Reader, follow the operation as below Picture, can get the QR code reader parameter via the software



Function parameter specification

1.network parameter

Mainly include network parameter of the QR code Reader, configure relevant parameter, click setting can done setting.

The screenshot shows a 'Network parameter' configuration window. It is divided into two columns. The left column contains: IP address (192.168.1.99), Subnet mask (255.255.255.0), network gate (192.168.1.1), DNS 1 (114.114.114.114), and DNS 2 (8.8.8.8). The right column contains: Network mode (Fixed IP), server address (ipc.fondvision.com), Server port (80), and HTTP server (PHP). A 'Set up' button is located at the bottom right.

Internet mode: default fixed IP:192.168.1.99 mode, can select auto obtain mode

【HTTP address】 HTTP output mode need use domain name address

【HTTP sever port】 HTTPoutput mode need use sever port;

【Docking services Voice】 HTTP output mode, sever docking interface language PHP、 JSP、 C#、 ASP option)

2.Format parameter setting

The screenshot shows a 'Format parameter settings' window. It contains several rows of settings, each with a 'Set up' button. The settings are: Output format selection (USB keyboard), card number input format (6H), HID format parameter Enter (Enter), Line feed (No line feed), Serial parameter baud rate (9600), Data bits (8), Stop bit (1), Parity check (NONE), and QR code serial output format (ASCII).

【output format selection】 USB Virtual keyboard、 USB virtual serial port、 HTTP、 MQTT、 RS232、 WG26、 WG34、 RS485、 access control system output(not enabled)、 TCP、 UDP functions

【card number output format】 6H、 8H、 6H10D、 8H10D、 2H3D+4H5D option, this card number format setting is invalid for QR Code

【HID format parameter】 data output if send carriage return、 If send line feed, this parameter setting is invalid for USB virtual serials port, carriage return only valid for USB virtual keyboard, linefeed only valid for RS232

【parameter】 can adjust correspond parameter as you need, this parameter setting is invalid for USB virtual serial port, only valid for RS485, RS232

【QR code serial port output format】 DEC、 HEX、 DEC Reverse、 Hex Reverse、 ASCII option, (this parameter only valid for RS485, RS232“RS485、 RS232”, Hex、 Hex Reverse output format is Hex card number, total bit is odd, output is ASCII, Even number, output is HEX card number)

3.external parameter

The screenshot shows an 'External parameter settings' window. It contains four rows of settings, each with a 'Set up' button. The settings are: Reset settings (12 hours), Working mode (Common mode), horn (Close), and Sweeping light (turn on).

【rest setting】 0 for not reset, 12hours interval、 24 hours interval;

【working mode】 common mode, single mode, interval mode,

Common mode: can reading QR code constantly;

Single mode: the same QR code can not reading constantly;

Interval mode: reading the same QR code need waiting 15 seconds

【horn】 not enabled;

【scan fill-in light】 turn on and off for camera fill-in light;

4.bar code, QR code setting

The screenshot shows a 'Bar code QR code setting' window. It contains two rows of settings, each with a 'Set up' button. The settings are: prefix and suffix input format (ASCII) and prefix (empty field), and Suffix (empty field).

setting QR code prefix and suffix, add the correspond prefix and suffix to QR code

【prefix and suffix input format】 ASCII、 HEX option, setting the prefix and suffix format output;

5. card number prefix suffix format

Card Prefix suffix format			
prefix and suffix input format	ASCII	prefix	
Serial output format	ASCII	Suffix	
			Set up

setting prefix and suffix, add the correspond prefix and suffix to card number(this parameter only valid for RS485、RS232)

【prefix and suffix input format】ASCII、HEX option, setting the prefix and suffix format output:

【serial port output format】ASCII、HEX option, setting the prefix and suffix format output:

6.WG timing sequence defination

WG timing definition			
Low pulse	400	High pulse	2000
			Set up

setting the wiegand output high-low pulse time period, setting the timing sequence according to the actual controller

7.QR code parameter setting

QR code parameter setting			
Card number format	8H10D	NTP address	
Number of times	Number1	Alternate address	
Data encryption	No-encn	Working mode	Reader
Network protocol	HTTP	Qr code fetch bit output	0
			Set up

【card number format】8H10D、Hex、2H3D+4H5D option, default is 8H10D (this parameter only valid for WG26、WG34)
other function parameter not enabled



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