User Manual

Thank you for selecting our products. Please read this manual before use.



NF1000 Nex FaceRecognition



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Chapter 1 System introduction

1.1 overview

The NF1000 face recognition instrument uses a 2.8-inch TFT capacitive touch screen, dual infrared light HD camera, embedded 4-core CPU. Using the new real-time face recognition algorithm, the capture of facial features is more accurate and faster, and the light balance processing can be automatically made in the recognition process, which greatly improves the recognition speed and recognition efficiency.ss

After years of upgrading and improvement, the product becomes mature and stable, which is easy to install and cost-effective for the market. It has been widely used in: government agencies, intelligent building buildings, office buildings, high-end residential communities, colleges and universities, enterprises and institutions, industrial and mining enterprises and other places.



1.2 Model

Model definition:



NF1000-E-----support ID card

NF1000-M-----support Mifare series card;

1.3 Specification

Features	Description
screen size	2.8 inch TFT capacitive touch screen
camera	Dual infrared light HD camera
Identification method	Face, ID card (customizable IC card), password, and
	various combinations thereof
communication method	TCP/IP, RS485, WIFI (optional)
U disk management	U disk upload, download, upgrade
Recognition speed	≤ 1 second
Record query function	stand by
Face recognition mode	1:N, 1:1
Face capacity	1000 sheets
Card capacity	1000 sheets
Password capacity	1000 pieces
Photo storage capacity	5000 (sum of registered photos and real-time photos)
Verification record/management	100000/10000
record	
Ring function	Built-in timed bell
Voice prompts	Chinese and English pronunciation
Language display	Chinese Simplified, Chinese Traditional, English
	(supports machine switching, other foreign languages
	can be customized)
Self-test function	support
Power management function	Sleep
Alarm function	Record exceeded alarm, duress alarm
Alarm output	Group 1
Network time synchronization	support
Take a photo in real time	support
Infrared human body induction	support
Door lock signal output	1 set of relay signal output
Access time period	50 groups
Wiegand signal	Wiegand input and output group
Doorbell button	support
Tamper function	support
Door magnet	support
T9 input method	support
Working temperature	0 °C~+45 °C
Working humidity	20%~80%
Working voltage / current	DC 12V/1000mA

Chapter 2 Installation

2.1 NF1000 wiring diagram

wiring as wiegand reader:



NF1000 Terminal blocks connector:



Pin	Description		Pin	Description
12V	Power supply		12V	Power supply
GND	Ground		GND	Ground
ALM-	Alarm output negative		COM	Control lock signal common
ALM+	Alarm output negative		NC	Control lock signal normally closed
WG IN 1	Wiegand input 0		NO	Control lock signal normally open
WG IN 0	Wiegand input 1		EXIT	exit button
WG OUT 0	Wiegand output 0		SEN	Magnetic input
WG OUT 1	Wiegand output 1		GND	Ground
485A	485 positive		BELL+	Doorbell interface
485B	485 negative		BELL-	Doorbell interface negative

Wiring:



Partial enlargement:



2.2 Electric lock wiring

The wiring of the electric lock should meet actual needs.



Figure Drop bolt (Fail Safe)



Figure Magnetic Lock (Fail Safe)



Figure Strike (Fail Secure)

2.3 Installation and fixing



Fasten the device and tighten the screws

- 1. Avoid installing the device in a place where strong light is shining. Strong light has an effect on face recognition and fingerprint recognition, which may cause failing.
- 2. The working temperature is 0 ℃-60 ℃. Avoid long-term outdoor using. If it must to be used in outdoors, it is recommended to use parasols and cooling equipment in the summer and warming equipment to protect the equipment in winter.
- 3. Make sure the power is off during installation. Live installation and wiring operations can cause damage to the machine.
- 4. Due to the serious static electricity brought by the human body during the autumn and winter seasons, please install the equipment before grounding the cable and install other wiring to prevent the instantaneous electrostatic voltage from damaging the machine.
- 5. Please do not expose the terminal blocks that are not used, or it may cause short circuit damage to the device; at the same time, please use different color wire connection terminals for easy identification.
- 6. Please connect the other lines before connecting the power. If the machine is malfunction after power-on, turned off the power immediately
- 7. If the distance is far away between the power supply and the machine, it is strictly forbidden to use other special lines such as network cables instead of the power line. When selecting a power cord, consider the voltage attenuation caused by excessive transmission distance.
- 8. The equipment line, main board and fingerprint head are burnt out due to abnormal wiring, which may cause the equipment to be used abnormally. it is not covered by the warranty.
- 9. The installation height of the equipment is 110CM (based on the bottom of the machine)

Chapter 3 Recommend steps

- Step 1: power on the equipment. Look for any abnormalities, set the date and time of the machine, and install the device.
- Step 2: Set the network parameters of the face recognition device and add a face recognition device on Sphinx 4.4.
- Step 3: Add personnel information on Sphinx 4.4 and download to face recognition
- Step 4: Register the user face on the face recognition device
- Step 5: Collect face data on Sphinx 4.4 software.

Chapter 4 System setting

4.1 Face Recognition Settings

4.1.1 Network setting



4.1.2 Wiegand output format settings

" \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Wiegand Output Type \rightarrow Choose your preferred Wiegand Output Type



4.2 Sphinx4.4 setting

4.2.1 Communication configuration



~					
10	-	>/	1.1	 	-
×.	-	Y	10.	 Λ.	
				 	-
-					~

Communication Configuration		×
Server	Face Recognition	
Communication	Host IP Address 192.168.2.61	Ĩ
Clock Adjustment	Network Delay Time 2000 C Milliseconds	
Desktop Reader && Card Number Format	Host IP Address 192.168.2.61 🖳 Listening Port 6000	۲
	Host IP Address 192.168.2.61 🖳 Listening Port 8090	۲
DVR	Auto save face recognition records separate	
Fingerprint	Save captured picture to Database [Not recommended, will make the database huge in short time] Folder	Share
Face Recognition	D:\Program Files\keyking\Sphinx INT 4.4\FaceSnapshots	
Meeting	Recognition Records Color Successed Font Color Failed Font Color GlGreen Glg GlGreen Glg GlGreen Glg	
Send Events Packets	Download Configuration for all face recognition automatically Download Configuration for all face recognition manually	
School QRCode	Using Face Change Log Timing Download Controller Parameters Time 1 Time 2 Time 3 Time 4 Time 5 Time 6	
ID Card		
		Cancel Apply

4.2.2 Add face recognition device

setup—hardware—face recognition



As shown in the figure below, click Add Face Recognition, fill in the network parameters of the face recognition device in the pop-up window, click OK.

KK Face Recognition Device						
	Device ID	Name	IP	Model	Connected	SN
					1	
	A	dd a Face Recog	nition Device	23		
		Face Recognition [Device			
		Device ID	1	8		
				æ		
		Name	Face Recognition Device			
		Commission March	Top #0			
		Communication Mi		•		
	-	IP Address	192 . 168 . 5	. 161	0	
		_			Edit	Change Host
	Dav	Port	5005	۲		Debeet
	Dow	Password	0			Reboot
	Line IC		-		Prog	iress
			<u>ок</u>	Cancel		

After the device goes online:

KK Face Recognition Device							
▲ 🞲 SD-20190329EVNG	Device ID	Name		IP	Model	Connected	SN
▲ 💭 TCPIP 192.168.5.161		I Face Recognitio	on Device(1)	192.168.5.161	NF1000-B-U		18KK01000090
	Total	: 1			On-line:	1	
		Add		Delete	Edit		Change Host
	Downloa	d Configuration	Download	Config to All (Local)	Download Config to	All	Reboot
	Line ID	IP	Status	Description		Prog	ress
< <u> </u>	9 0 -	192.168.5.161					

Chapter 5 Personnel information

5.1 Add person in Sphinx software

Click 【Add a Personnel】 to pop up the following window and click to add new one.



In 【Basic Information】, fill in the ID, name, department information

Personal Information						—
Basic Information	Personal Information			🔽 Get ID informati	ion from 2# ID Ca	rd Reader
	ID	2	Code			
Card	First Name*		Last Name	•		
Access Level	ID Number		Gender		•	3×4
	Department	Visitor			•	
Fingerprint	Group	Group Name	 Position 		•	
Face Info	Joining Date	17			•	
	Last Day	17			🖵 🗀 💽	1 ≥ 🗙 🛛
	Address				Floor No.	
	TEL			E-Mail		
	Birthday	11	•	Marital Status		-
	Birth Place		•	Nationality		-
	Diploma		•	Major		-
	College		•	Remark		
Card Events QR Code	•			ОК	Cancel	Apply

In [Card], tick the [Use Access Card], obtain the card number through the card issuer or card reader, or

Personal Information			×
Basic Information	Use Access Card		
Card	Card No.:	Issue Code	0 Vice Cards
Access Level	ID Card Custom ID:	2019/5/16 From Reader	BioUSB10 Retrieve Card Number Retrieve Ca
Fingerprint	Deactivate Card Event Link to	30 🛃 Days not used	Parking available (ParkWatch)
Face Info	Access Properties Handicap Card Manager Card Boss Card Temp Card	Opens the Door for a longer time No Anti-Passback Limitation; Open/Sc Can open any Door anytime	Temp Card Valid Time From: / / :: Expiration: / / ::
	Valid for TC3XY Series PIN ID 0000 Valid for DPU1000NT/I Card Group Twin card matched Private PIN	Only PIN Automatically O000 DPU3000NT Only None Select * 0 # 4-8 digits	Current Area: Current Area: Inside
Card Events QR Co	de		OK Cancel Apply

manually enter the card number (card number = face recognition terminal card)

in 【Access Level】,tick the security groups

Personal Information					X
Basic Information	Security	Groups Access Doors			
	ID	Access Security Group	ID	Access Security Grou	-P
Card			V 0	24 Hours	
Access Level					
Fingerprint					
Face Info					
			Door Name		Access Time Ta
Card Events QR (Code			OK Car	ncel Apply

In [Face	Info]	, check	Use	face	recognition	under	NF1000,	and	check	the	face	recognition	device	in	the
Device	Name	box.													

Personal Information					X
Basic Information	NF1000 NF4000				
Card	Face Info User Type	Normal	•		ן
Access Level	Time Zone	0	Ē	_	
Fingerprint	PIN Face			Use Access Card PIN	
Face Info		NF1000 Scanner Enroll	•	Refresh	
	Face Photo	Delete			
	Device Name	IP	Device ID		
	Face Recognition Device(1)	192.168.5.161	1		
Card Events QR Co	ode Card Print		OK	Cancel Apply	

5.2 Download personal information

Manually download face recognition parameters after entering personnel information on Sphinx 4.4 software



KK Face Recognition Device							
▲ 🐳 SD-20190329EVNG	Device ID	Name		IP	Model	Connected	SN
a 🛃 TCPIP 192.168.5.161		1 Face Recognition	n Device(1)	192.168.5.161	NF1000-B-U	V	18KK01000090
Implie Face Recognition De							
	Tota	al: 1			On-line:	1	
		Add		Delete	Edit		Change Host
	Downlo	ad Configuration	Download	Config to All (Local)	Download Config to A		Reboot
	Line ID	IP	Status	Description		Prog	ress
	<u>s</u> 0	192.168.5.161		Setting device para	meters to face recognitio	n d	
۰ III ۲							

5.3 Face registration

" \uparrow " icon \rightarrow User \rightarrow Enroll \rightarrow Enter Your info \rightarrow Choose "Face" \rightarrow Follow the onscreen instructions to complete Facial template acquisition. \rightarrow Press "OK"

Looking at the display, align your face with the center of the camera's field of view. The camera automatically captures the facial template, progress box shows progress. "Face Registration Success!" message will be displayed upon completion.



The device has built in duplicate enrollment protection, registration will fail if the user is already registered

5.4 Collecting face information

After the face recognition device registers the face information, you need to double-click the person to open **[**Personnel information **]** in Sphinx 4.4. In **[**Face Info **]**, select the face feature data.

Personal Information					8
Basic Information	NF1000				
Card	Face Info User Type	Normal	•		
Access Level	Time Zone PIN	0		I Use Access Card PIN	
Fingerprint	Face	NE1000 Scapper		Befresh	
Face Info		Enroll			
	Device Name	IP	Device ID		
	Face Recognition Device(1)	192.168.5.161	1		
Card Events QR C	Code Card Print		OK	Cancel App	y

Chapter 6 User manual

6.1 Device Settings



Basic setting

• " \uparrow " icon \rightarrow Setting \rightarrow Basic



- A **[**Language **]** Set the interface language
- B **[**Sound **]** Turn on/off the vocal notifications
- C [Volume] Change the volume of the device, choose a value between 0-10
- D **[**Auto Change of Time Mode **]** Edit the shifts
- E 【Bell Setting】 Set the times of bell, toggle on/off, and bell sounds

- F 【Bell Count】 Set the number of chimes for the bell
- G [Part] Edit the indexing and names of departments
- A. Language setting:
- Choose "Language" \rightarrow Choose your language



B. Sound Setting:

• " \uparrow " icon \rightarrow Setting \rightarrow Basic \rightarrow Sound \rightarrow Select "Yes" or "No"

Basic	×
Language	English
Sound	Yes
Volui No	
Auto	
Bell Setting	
Bell Count	
Part	0

- C. Volume control:
- " \uparrow " icon \rightarrow Setting \rightarrow Basic \rightarrow Volume \rightarrow Enter the volume value between 0-10 \rightarrow Press "OK."

La	nguage		Enalis
	ţ,	Volume	X
1	0		
,	1	2	3
E	4	5	6
E	7	8	9
F	BKSP	0	ок

D. Auto Change of Time Mode:

 "♠" icon → Setting → Basic → Auto Change of Time Mode → Click on a row to edit its contents → Press "OK"

NO	Start Time	End Time	Status Att Count
1	00:00	12:00	DutyON Unlimited
2	12:00	23 : 59	DutyON Unlimited
3	00:00	00:00	DutyON Unlimited
4	00 : 00	00:00	DutyON Unlimited
5	00:00	00:00	DutyON Unlimited
6	00:00	00:00	DutyON Unlimited
7	00:00	00:00	DutyON Unlimited
8	00:00	00:00	DutyON Unlimited
9	00:00	00:00	DutyON Unlimited
10	00 : 00	00:00	DutyON Unlimited

Status: You may classify the times for Duty On or off, Overtime On or off, Return and Go Out. AttCount: Set the amount of records the device will accept during this time slot, the default value is 9999 which stands for infinity.(To prevent records from exceeding the capacity)

- E. Bell setting:
- " \uparrow " icon \rightarrow Setting \rightarrow Basic \rightarrow Bell setting \rightarrow Click on a row to edit its contents \rightarrow Press "OK"
- You can change the time of the bell, the bell sounds, toggle them on/off

Auto	Change o	of Time Mo	ode 🗙
NO	Time	Use/ No Use	Bell
1	00:00	No Use	Bell - 1
2	00:00	No Use	Bell - 1
3	00 : 00	No Use	Bell - 1
4	00 : 00	No Use	Bell - 1
5	00:00	NoUse	Bell - 1
6	00 : 00	No Use	Bell - 1
7	00 : 00	No Use	Bell - 1
8	00:00	No Use	Bell - 1
9	00:00	No Use	Bell - 1
10	00 : 00	No Use	Bell - 1

- F. Bell Count:
- " \uparrow " icon \rightarrow Setting \rightarrow Basic \rightarrow Bell Count \rightarrow Choose a value between 0-255 \rightarrow press "OK"



- G. Part (Departments):
- "♠" icon → Setting → Basic → Part → Click on a row to edit its contents → input department name → Press "OK"

~	Part	X
NO	Part	
1	accounting	
2	sales	
3		
4		
5		
6		
7		
8		
9		
10		

6.2 Advanced Settings.



- A 【Verification Mode】 Set the preferred combination of verification methods
- B [Date and Time] Settings regarding the date and Time, time zones, etc
- C 【Photo Setting】 Select the image to be included in time logs (None/Enrolled

```
Photo/Realtime Camera)
```

- D 【Allowed # of Managers】 Set the amount of managers
- E 【Calibrate Sensor】 Recalibrates the sensor
- F 【Upgrade Firmware】Connect a USB flash drive with firmware file to upgrade
- G [Factory Reset] Resets device to original state
- H 【Clear All Time Log】 Clear all time logs on the device
- I Clear All Management Log Clear all data regarding changes to system settings
- J Clear All User Database Delete all users
- K 【Clear Photo】 Delete registered faces and/or log-in photo logs

A. Verification Mode:

Face

Step 1: Stand toward the machine, and start verification when the face lock box appears.

Step 2: When the device prompts "thank you", the verification is completed. When the device has no face lock box and no prompt, you should return to step one to operate again.

Fingerprint

- Step 1: press the fingerprint on the fingerprint collector
- Step 2: When the device prompts "thank you", the verification is completed. When the device prompts "Please press the finger again", you should return to step one to operate again.

Swipe card

Step 1: Swipe directly in the card swipe area on the initial interface

Step 2: When the device prompts "thank you", the verification is completed. When the device has a beeping tone, the card is not recognized. Please confirm whether the card has been registered and return to step one.

Password

- Step 1: Press the lock pattern in the upper right corner of the screen directly on the initial interface, then enter the employee number of the person to be verified and press the enter key.
- Step 2: Enter the password and press the enter key
- Step 3: When the device prompts "thank you", the verification is completed. When the device has a drop tone, the password is incorrect. Please return to step one to operate again.

• " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Verification Mode \rightarrow Choose your preferred verification method



The default FACE/FP/CD/PWD settings requires any one of face, fingerprint, card OR password to pass verification. The verification modes with "+" means users have to pass all listed verification method in the presented order consecutively. For example "Face + FP"requires the user to first verify by face and then fingerprint.

Face FP CD PWD	Users only need to register a face or fingerprint or RF card or a
	password
Fingamerint Card Cada	Users must register RF card, fingerprint, password, and users
	need to pass these authentications consecutively
card⊥password	Users must register RF card, password, and users need to pass
caru+password	these authentications consecutively
	Users must register fingerprint and password, and users need to
fingerprint+password	pass these authentications consecutively
Cond : Fin commint	Users must register RF card and fingerprint, and users need to
Card+Fingerprint	pass these authentications consecutively
	Users must register RF card and face, and users need to pass
Card+face	these authentications consecutively
	User must register at least password and face, and users need to
password+face	pass these authentications consecutively
	User must register at least Fingerprint and face, and users need
Fingerprint+face	to pass these authentications consecutively
face card password	User must register Fingerprint and face, and users need to pass
race-caru+password	these authentications consecutively
Factory Default	Face/fingerprint /card/password

B. Time setting:

• " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Date and Time

Date and Time	X
Time	10 : 58 : 45
Date	2017-11-14
Date Format	YYYY-MM-DD
Time Zone	UTC +08 : 00
NTP Server 1	.cn.pool.ntp.org
Auto Sync Inte	rval 1H
Time Synchron	ization

You may set your time, date, date format and time zone within this menu. The "NTP Server"settings allow you to choose the Network Time Protocol server address. The device's time will synchronize to the specified server at the "Auto Sync Interval."

The "Time Synchronization" function will synchronize the clock to the server upon activation.

C. Photo Setting:

```
• "\uparrow" icon \rightarrow Setting \rightarrow Advanced \rightarrow Restore \rightarrow pressing"OK"
```



D. Allowed # of Managers:

"↑" icon → Setting → Advanced → Allowed # of Managers → Choose the maximum allowed # of managers → Press "OK"



- E. Calibrate Sensor:
- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Calibrate Sensor

F. Upgrade Firmware:

Insert USB flash drive with the firmware loaded into it before using this function

• " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Upgrade Firmware

G. Factory Reset

It is highly recommended that you backup all data (Chapter 11 USB Disk) before you perform the factory reset

- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Factory Reset
- H. Clear All Time Log:
- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Clear All Time Log
- I. Clear All Management Log:
- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Calibrate Sensor
- J. Clear All User Database:
 - Delete all users
- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Clear All User Database
- K. Clear Photo:
- " \uparrow " icon \rightarrow Setting \rightarrow Advanced \rightarrow Clear Photo

6.3 Power



- A **[**Restart At **]** Set the time when device restarts
- B [Sleep After] Set the time when device turns off display to only display time
- A. Restart At:
- " \uparrow " icon \rightarrow Setting \rightarrow Power \rightarrow Restart At \rightarrow Enter the time you wish for restart \rightarrow Press "OK"

B. Sleep After

"♠" icon → Setting → Power → Sleep After → Enter the duration (in minutes) after inactivity when the device enters standby → Press "OK"

6.4 Communication

Communication	×
TCP/IP Settings	
	>
WiFi	>
Device ID	
	1
TCP Port	
	5005
Communication	Password
	No
Upgrade Firmwa	re
wss://ws	.realtime.com

A 【TCP/IP Settings】 For technically advanced users to change settings regarding IPv4 and IPv6

B [WiFi] Our device can connect to WiFi, these settings let you connect to a wifi access point and change the connection settings

C [Device ID] If you use multiple devices, you could set the Device ID to help keep track of the devices

D **[**TCP Port**]** Set the port for communication

E [Communication Password] Extra protection to ensure connection is with a trusted source

F 【WebSocket Server URL】 Configures the WebSocket Server URL

- A. TCP/IP Settings
- " \uparrow " icon \rightarrow Setting \rightarrow Communication \rightarrow TCP/IP Settings

	TCP/IP Settings
	TCP/IPV4
	>
	>
	MAC Address
	02:4f.f5:6a:3a:cd
\Box	

- B. WiFi:
- " \uparrow " icon \rightarrow Setting \rightarrow Communication \rightarrow WiFi

X
Yes
2
>
>
>
Yes

Select Wi-fi hub: Select the Wi-Fi you want to connect to

TCP/IPv4 and TCP/IPv6: For technically advanced users

Link Information: Shows status of the Wi-Fi connection

Auto Select: Allows auto selection of Wi-Fi hotspot, press "Auto Select Setting" to add an access point to the auto-connect list

Auto Select Setting		
Password	i/Key	
SSID		
Password/K	(ey	
0	к	
Add	Edit	
Delete	DeleteAll	

C. Device ID:

Menu \rightarrow Setting \rightarrow Communications \rightarrow TCP Port, The default is 5005



D. TCP Port:

• " \uparrow " icon \rightarrow Setting \rightarrow Communication \rightarrow TCP Port (The default is 5005)

-	P/IP Setti	ng		
۱,	ТСР	Port	X	
6	5005			
	1	2	3	
¢	4	5	6	ĺ
ï	7	8	9	
İ.	BKSP	0	ок	

E. Communication Password:

*Password: to improve the security of your data, you can set the communication password authentication. You can only download the records if this authentication is successful.

• " \uparrow " icon \rightarrow Setting \rightarrow Communication \rightarrow Communication Password

TC	P/IP Setti	ng		
10	ommunicat	ion Pass	word 🗙	
C	0			S
т	1	2	3	
1	4	5	6	I
١	7	8	9	I
1	BKSP	0	ок	1

6.5 Log

9 50
500
3Min

A [Management Log Warning] Set a reminder for when management logs exceed a certain number

B 【Time Log Warning】 Set a reminder for when time logs exceed a certain number

C [Reverification Time] Change the time after first log in that counts as a

duplicate verification

A. Management Log Warning:

• " \uparrow " icon \rightarrow Setting \rightarrow Log \rightarrow Management Log Warning

B. Time Log Warning:

• " \uparrow " icon \rightarrow Setting \rightarrow Log \rightarrow Time Log Warning

C. Re-verification Time:

• " \uparrow " icon \rightarrow Setting \rightarrow Log \rightarrow Re-Verification Time

6.6 Access



A [Define Time Zone] Define the times during which the device allows access (e.g. Business Hours)

B 【Door Open Time】 Set a reminder for when time logs exceed a certain number

C [Door Open Timeout] The duration after which alarm will sound if the door stays open

D [Door Sensor Type] Set the door sensors to always "open" or "close"

E **[**Duress Setting**]** The option to activate alarm with a preset duress password, and to set the delay before alarm

F [Watch Tamper] Toggle tamper prevention alarm on/off

G [Wiegand Output Type] Choose the Wiegand output to be 26/34 bits format (Device ID+User ID / Card ID / UserID)

H **[**Forward Card ID to Wiegand **]**Set this to yes if you would like to use a third-party external card reader that supports Wiegand wiring protocol

A. Define Time Zone:

"↑" icon → Setting → Access → Select a number on the leftmost column to begin editing Timezone Group* and ensure the selected is highlighted in blue → Click on a row to edit→ Select the Start Time, End Time and Verification Mode → Press "OK"



*You may have up to 50 Timezone groups. Each timezone group consists of one week's schedule.

- B. Door Open Time:
- " \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Door Open Time

Ac	cess			×
De	efine Time	Zone		
1	Door Open	Time	X	
1	5			
,	1	2	3	
1	4	5	6	
1	7	8	9	
1	BKSP	0	ок	
VI	ear Air Tin De	ne cog ≪ ID +U:	ser id(34)	

- C. Door Open Timeout:
- " \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Door Open Timeout

Ac	cess			×
De	efine Time	Zone		Γ
1	Door Open	Timeou	t 🗙	
	20			
,	1	2	3	
	4	5	6	
1	7	8	9	
1	BKSP	0	ок	
VI	ear Air Tin De	ie cog v ID +U:	ser id(34)	

- D. Door Sensor Type:
- " \Uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Door Sensor Type

Acc	ess	Х
Def	ine Time Zone	
Doc	or Open Time	5s
Doc	or Open Timeout 20s	2 0 s
Doc	or Sensor Type O	pen
Dur	None	
	Open	4
Wai	Close	
Wie	gand Output Type Dev ID + User ID	0(34)
For	ward Card ID to Wieqan	d

- E. Duress Settings:
- " \Uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Duress Settings



- F. Watch Tamper:
- " \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Watch Tamper

Access	X
Define Time Zone	
Door Open Time	5s
Door Open Timeout 20s	2 0 s
Door Sensor Type	Onen
Yes Watch Tamper	No
Wiegand Output Type Dev ID + Us	er ID(34)
Forward Card ID to Wie	eqand

- G. Wiegand Output Type:
- " \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Wiegand Output Type \rightarrow Choose your preferred Wiegand Output Type



- H. Forward Card ID to Wiegand:
- " \uparrow " icon \rightarrow Setting \rightarrow Access \rightarrow Forward Card ID to Wiegand

Access	X
Define Time Zone	
Door Open Time	5s
Door Open Timeout	20 s
Door Sensor Type	Open
Duress Settings	>
Watch Tamper	No
Wie No Yes	
Forward Card ID to Wie	eqand

6.7 Test

You may test the functions of Sound, Sensor (fingerprint), Touchscreen, RTC (real-time clock), Camera, IR (Infrared) Camera, and Camera Deviation. All test results except Sound, Touchscreen and RTC can be saved to a USB flash drive.

• " \uparrow " icon \rightarrow Setting \rightarrow Test

Test	X
Test All	
Test Sound	
Test Sensor	
Test Touchscreen	
Test RTC	
Test Camera	
Test Infrared Camera	
Test Camera Deviation	n

6.8 USB Disk

*These functions usable only after you insert a USB flash drive

After downloading the logs, they can be inputted by our time attendance software Follow these steps to access the menu



- " \Uparrow " icon \rightarrow Setting \rightarrow USB Disk
- A 【Download Latest TimeLog】 Download logs that weren't downloaded before
- B 【Download Specified TimeLog】 Specify the dates of time logs you wish to download
- C 【Download New Management Log】
- D [Download All Management Log]
- E [Download User Database]
- F [Download User Database (XML)]

Upload functions are used for backing up the user database, for quick registration on a second device (for applications where you use more than one device), or for quick setup after factory reset.

- G [Upload User Database]
- H Upload User Database (XML)