Contents

Thank you for using our products, which adopt the latest biometrics solution and high speed stable ARM processor. The product's recognition, speed and other performance indicators are in the industry leading level, fully meet your efficient work requirements.

- Due to the continuous update of the product, all performance and parameters are subject to the actual product, any change without prior notice. The actual product may be inconsistent with the information, and shall not be liable for any discrepancy between the actual technical parameters and the information.
- The picture description in this document may not match the picture of the product in your hand, please refer to the actual product.

1. Usage environment

1） Avoid installing device in a place where strong light is shining. Strong light has influence on face recognition, which may lead to the failure of face recognition verification.

2） The operating temperature of the device is 0℃–45℃.Avoid long-term outdoor use. Long-term outdoor use will affect the normal operation of device. If it is must be used outdoors, It is recommended to use sunshade and heat dissipation equipment in summer and heat preservation equipment in winter.

2. Installation Precautions

Fix the rear panel on the wall→Install the device on the rear panel →tighten the screw on the bottom of the machine.

1） Before installation, please make sure that the power system of device is turned off during installation. Live installation and wiring operations can cause damage to the machine due to contact with the power cord.

2）On the situation that static electricity is a bit heavy, please connect ground wire first and then connect other wires, which can protect the device from damaging in static electricity.

3） If do not use some ports of terminals. Please do not expose the lines that connect the unused ports. It may cause short circuit damage to equipment. At the same time, please use different colored lines to connect ports for distinguishing different port.

4） Please connect other lines before connecting the power cord, and finally power test. If it is found that the device cannot work normally after power on, the power must be cut and check device and all the lines.

5） If the distance between the power supply and the device is far, it is strictly forbidden to use network cable or other special wire instead of power cord.

6） When wiring the attendance device, due to abnormal wiring, the device circuit, motherboard and fingerprint scanner are burnt out, which causes the device cannot be used normally, which is not within the scope of warranty.

3. Recommended steps

1） Step 1: Open the box to check the device and power on the device. Check for exceptions, set the date and time of the device, and install the device.
2） Step 2: Add users and register users' face、password, etc.
3） Step 3:Set shift.
4） Step 4:Set up shift schedule for users.
5） Step 5:Download attendance records at the end of month.

4. Menu

In initial interface, click the icon" "in the higher right corner of screen to access into menu, when an admin is registered, After passing the verification of admin's face or password then the menu can be entered
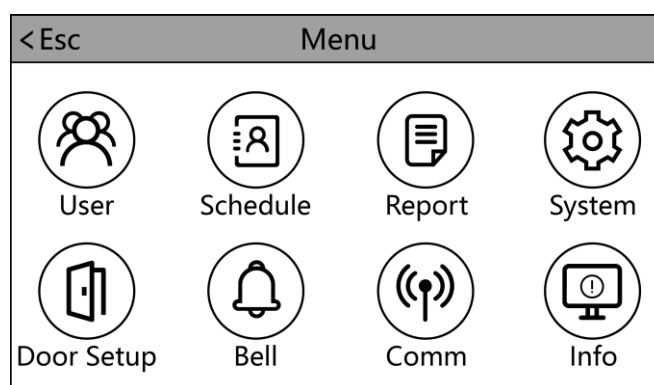
- **User :** Enrol user, view user list, department setting, download enrolment data and upload enrolment data.
- **Schedule :** records warning setting, grace minimum setting, logs information.
- **Report :** Set company name ,it will be shown in reports, download attendance reports in Excel format , attendance logs in TXT format.
- **System settings :** It provides general settings, like time, timezone, language settings, also some other functions, like setting card output format, deleting all users and logs , device testing .ect.
- **Door Setup :** Set Wiegand output format, lock delay , time setting , lock register setting and time group setting.
- **Bell :** Set timed ring, a total of 24 groups can be set.
- **Communication :** Set device No. , server setting, NTP setting, Ethernet setting and wifi setting.
- **Information :** Query registration information and detailed information of device.

5. User

The basic information of the user on the device includes face,card, password and

privilege. In attendance management, due to personnel changes. Therefore, the device

provides add, delete, change the user and other operations.

Click the icon [icon] in the higher right corner of screen to access into menu →【User】,
It includes enrol user, view user list, department setting, download enrolment data and upload enrolment data.

< Esc	User
Enroll	
User List	
Dept	
Down.Data	
Up.Data	
Photo import	

5.1 Enroll

1) **ID:** When registering, each user can only have one unique 'ID'.
2) **Name:** Input、edit name by T9 input method.
3) **Face:** Follow the on-screen prompt for face registration.
4) **Card:** Select Reg.Card and put card on swipe area to register card(optional).
5) **Password:** An ID can only register one password. After clicking the password

icon, enter the   password to be set and then press ok to confirm the password again.

Remark: Verify password by touching the face recognition area of the screen when the device is in standby mode, input ID-click 'OK'-input password-click 'OK'

5.2 User List

Browse all registered persons in the device, click corresponding user to edit its information, including name, password, dept, admin; You can also change face registration information or delete this user, you can quickly locate the user you want to edit by 【Find ID】 or 【Find Name】at the top of the page.

Note:For【Admin】, there are three different ranks for you to select.

    User:If there is Admin and Enr Admin in this device, user is not allow to access into menu

    Admin: The manager of this device. Only admin has permission to access into menu. And this person can operate all item in this device

    Enr Admin:It's also called registar. This kind of person also has permission to access into menu,but he\she can only do user registration

5.3 Dept.

Edit department name, up to 14 departments can be supported

5.4 Down.Data

Insert U-disk, download the user information(including name, face.etc),   it is

recommended   to backup user information regularly.

5.5 Up.Data

Insert U-disk, upload the previous backup file, This operation can also be used to synchronize personnel information between two devices of two same model.

5.6 Photo import

6. Schedule

Click the icon in the higher right corner of screen to access into menu →【Schedule】, It includes grace min setting ,shift settings, record warning setting, and log information.

6.1 Grace Min

Item	Unit	Meaning	Scope
Late	Min	When user's late arrival time exceeds *** mins , then it is counted as late arrival.	0-60
Early Leave	Min	When user's early leave time exceeds *** mins , then it is counted as early leave.	0-60

6.2 Shift

1) Edit shift（Single shift）

Click the icon in the higher right corner of screen to access into menu →Schedule→Shift

< Esc	Schedule		
Grace Min	Shift	Rec Warning	Log Info
AM		PM	Over
1. 08:00-12:00		13:30-17:30	✎
2. 08:00-12:00			✎
3.			✎
4.			✎
5.			✎
6.			✎

According to real work time to edit shift, section status can be set as sign(normal attendance) or overtime.

2) Edit Shift（Multiple shifts）

When there are multiple shifts, we recommend downloading shift sheet to edit shift, edit all shifts through the shift sheet and upload them back to the device to avoid tedious operations on the device. Specific operations are as follows:

A、 After access into menu→【Report】→【Download Shift】, insert U-disk to download shift sheet

（Note: Besides set shift, you can also assign corresponding shift to different users）

B、 Open the staff information sheet that you just downloaded to U-disk on the PC.

C、 After editing, upload back to device

(For more details, please refer to 【download shift】and 【upload shift】parts in chapter 7)

6.3 Rec Warning

< Esc	Schedule		
Grace Min	Shift	Rec Warning	Log Info
Log Warning			1000 ✎
Log Interval			1sec ✎
Save Photo			No ✎

【Log Warning】：When the number of remaining records that can be stored is less than the value, a warning message will be displayed when punching.

【Log Interval】：If the user repeatedly verifies within the set time, the device will prompt that already verified, and this record will not be stored.

【Save Photo】：Sets whether to save the photo when registering face, photo files can also be exported when downloading enrolment data.

6.4 Log Info

Input the user ID and time range to query records of the corresponding user, if set user ID area to blank, then it will query all records of all users

7. Report

Click the icon in the higher right corner of screen to access into menu →【Report】, it includes company name setting, download/upload shift, download report and download attendance records.

【Company】:Set company name, it will be shown in report.

【Download shift】:Insert U-disk, can download shift settings information(Times

Table) and user scheduling information(Shift table) in Excel format, then edit it on pc, pls refer to the below picture:

Times table						
	Shift Time					
Shift No	AM		PM		Over	
	In	Out	In	Out	In	Out
1	08:00	12:00	13:30	17:30	18:30	21:00
2	08:00	12:00				
3	23:00	07:00				

► ►| Time Shifts

Edit shift according to actual shift time. After editing and save the file into U-disk.

Note：

1） For data security. Must copy the file to the computer, and then edit, and then copy back to the U disk. Do not edit directly in U-disk. Otherwise, an error will be prompted when uploading.

2）Attendance time must be in the format of time, and attendance type must be in the format of digits. So when you handle the setting, pls pay attention that the input method is in English half-angle status. Checking Method: For example, when you input 10:30, double click this cell, then software will automatically turn the digits into 10:30:00.

3）If you don't need to clock at noon, combine the two sections into one. For example: 08：30-12：00   13：30-17：50, it can be set to section 1: 08：30-17：50 Time Skip setting is not allowed. For example, when you complete the setting of Section 1, you cannot skip Section 2 and get to set Section 3.

Shift Table																																		
"Special: 25-Leave, 26-Business																																		
Shift Date			2019-10																															
No	Name	Department	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th
1	Ryan	Finance								1	1	1	1	1			1	1	1	1	1			1	1	1	1	1			1	1	1	1
2	Dan	Sales								2	2	2	2	2			1	1	1	1	1			1	1	1	1	1			1	1	1	1
3	Sophie	Finance								1	1	1	1				1	1	1	1	1			1	1	1	1	1			1	1	1	1
4	Jacky	Finance	1	1	1	1			1	1	1	1	1			1	1	1	1	1	2			1	1	1	1	1			1	1	1	1

► ►| Time Shifts

Assign shift to users, the "1" in this table represents shift 1 (the default shift is shift 1), according to real situation to assign shift to users.

1-24 represent the different shifts, 25 and 26 correspond to leave and business trip respectively and can't be modified, If set to blank, it represents rest or holiday.

We recommend to editing and uploading the sheet to device before downloading attendance report at the end of the month.

【Upload shift】：After editing, insert U-disk and click【Upld Shift】, then you can upload the edited shift settings and user scheduling information into device.

【Download report】：Insert U-disk, select the start and end time, then click

'Report' to download, it includes 5 different kinds of reports as below:

Summary of Attendance

Date: 2019/10/01 ~ 10/22 (BIOQIN) Note: please complete the part of orange color manually.

No	Name	Department	Length of work Required	Length of work Actual	Tardiness times	Tardiness min	Early Leave times	Early Leave min	Over time Regualr	Over time Special	Attend (Required/ Actual)	Business Trip	Absence	Leave	Bonus Pay Note	Bonus Pay Over	Bonus Pay Allowance	Pay Deduction Late Early Leave	Pay Deduction Leave Absence	Pay Deduction Other Deduction	Actual Pay	Memo
1	Ryan	Finance	96.00	15.45	1	9	1	6	2.46		12/2		10									
2	Dan	Sales	76.00	0.00							12/0		12									
3	Sophie	Finance	88.00	5.59	2	75	1	46	0.35		11/1		10									
4	Jacky	Finance	132.00	2.29	1	91					17/1		16									
5	Eric	Finance	128.00	0.00						0.43	16/0		16									

▶ ▶| Summary / Shifts / Logs / Abnormal / 1.2.3 / 4.5.6 / 7.8.9 / 10.11.18 /

Shifts Table

Date: 2019/10/01 ~ 10/22 (BIOQIN) *Special: 25-Leave, 26-Business Trip, Space-Holiday

No	Name	Department	1 Tu	2 We	3 Th	4 Fr	5 Sa	6 Su	7 Mo	8 Tu	9 We	10 Th	11 Fr	12 Sa	13 Su	14 Mo	15 Tu	16 We	17 Th	18 Fr	19 Sa	20 Su	21 Mo	22 Tu
1	Ryan	Finance								1	1	1	1	1		1	1	1	1	1		1	1	
2	Dan	Sales								2	2	2	2	2		1	1	1	1	1		1	1	
3	Sophie	Finance								1	1	1	1			1	1	1	1	1		1	1	
4	Jacky	Finance	1	1	1	1			1	1	1	1	1			1	1	1	1	1	2		1	1	
5	Eric	Finance	1	1	1	1			1	1	1	1	1			1	1	1	1	1		1	1	

▶ ▶| Summary / Shifts / Logs / Abnormal / 1.2.3 / 4.5.6 / 7.8.9 / 10.11.18 /

List of Logs

Period : 2019/10/01 ~ 10/22 (BIOQIN) Printed : 2019/10/22

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

No : 1 Name : Ryan Dept : Finance

9	10	...	17
07:58			
12:02	08:09		
13:25	12:03		19:33
17:31	13:23		19:49
18:28	17:24		
21:08			

▶ ▶| Summary / Shifts / Logs / Abnormal / 1.2.3 / 4.5.6 / 7.8.9 / 10.11.18 /

Abnormal Clocking

Date: 2019/10/01 ~ 10/22

No	Name	Department	Date	AM In	AM Out	PM In	PM Out	Tardiness (mm)	Early Leave (mm)	Total (mm)	Memo
1	Ryan	Finance	2019/10/10	08:09	12:03	13:23	17:24	9	6	15	
3	Sophie	Finance	2019/10/22	09:10	11:14	13:35	17:34	75	46	121	
4	Jacky	Finance	2019/10/16	09:09							
4	Jacky	Finance	2019/10/19	09:31	14:03			91		91	
7	Zou	Finance	2019/10/14	10:48	10:51			168	69	237	

▶ ▶| Summary / Shifts / Logs / Abnormal / 1.2.3 / 4.5.6 / 7.8.9 / 10.11.18 /

Attendance Report

Period : 2019/10/01 ~ 10/22 Printed : 2019/10/22

Department	Finance				Name	Ryan				Department	Sales				Name	Dan				Department	Finance				Name	Sophie
Date	2019/10/01 ~ 10/22				No	1				Date	2019/10/01 ~ 10/22				No	2				Date	2019/10/01 ~ 10/22				No	3

Absence	Leave	Business Trip	I/O (dd)	Over Regualr	Over Special	Tardiness (ts)	Tardiness (mm)	Early Leave (ts)	Early Leave (mm)
10			2	2.46		1	9	1	6
12									
10			1	0.35		2	75	1	46

Attendance Table

dd/ww	AM In	AM Out	PM In	PM Out	Over In	Over Out
01 Tu	07:58	12:02	13:25	17:31	18:28	21:08
02 We	08:09	12:03	13:23	17:24		
03 Th						
04 Fr						

Attendance Table

dd/ww	AM	PM	Over
01 Tu	Absence		
02 We	Absence		
03 Th			
04 Fr			

Attendance Table

dd/ww	AM	PM	Over
01 Tu	Absence		
02 We	Absence		
03 Th			
04 Fr			

▶ ▶| Summary / Shifts / Logs / Abnormal / 1.2.3 / 4.5.6 / 7.8.9 / 10.11.18 /

【Download File】: Select the date range, it will download the log file in TXT format, and the number behind file name represents device ID.

8. System

Click the icon 🏠 in the higher right corner of screen to access into menu →
【System】, it includes general settings and advanced settings.

8.1 General settings

Item	Meaning
Time	Set device time
Timezone	Set the device's time zone, which is GMT+8 in China
Language	Set device language
Volume	Set the volume of speaker
Result Time	Display time of user information after punching
Screen Idle	How long does it take to enter screen saver when the main Interface is not operating

8.2 Advanced settings

Item	Meaning	
Max Admin	Set the maximum number of device admin	
Verify Mode	Face/Card/Pwd	No matter what kind of verification method can be verified
	Others	Need to verify two verification methods together
Card Type	Set the format of the machine to read the card No., optional 10D、8D、2H+4H	
Protect Excel	Set whether the downloaded sheet can be edited	
Delete all users	Delete all users（operate cautiously）	
Delete all logs	Delete all logs（operate cautiously）	
Prevent Photo	Verify that the user is a live person instead of photo.	
Testing	Check whether the camera is normal	
Default	Restore the system setting parameters of the device to the factory state without affecting personnel and records	

Firmware Upload	Insert U-disk for device firmware upgrade

9. Door Setup

Click the icon 🏠 in the higher right corner of screen to access into menu →【Door Setup】, it includes door setup, time setting, lock register ,time group , unlock group settings.

9.1 Door Setup

Item	Meaning	
Wiegand Output	Set the type of wiegand output, optional user ID or card No.	
Wiegand Bit	Optional 26 bit or 34 bit	
Lock Delay	Set the time between lock relay effective and the state of resume normal.	
Alarm		
All Alarm off		
Sensor Mode	NG	Close door sensor function
	NC	Set the normal status of door to normally closed, if the door keeps opened status, device will alarm
	NO	Set the normal status of door to normally opened, if the door keeps closed status, device will alarm

9.2 Time Setting

According to the rules and regulations of user's entry and exit, Set the access time of each week to the corresponding time setting, you can totally set 50 periods.

Note:04 period is alarm period

< Esc		Door Setup		
Door Setup	Time Setting	Lock Register	Time Group	Unlock Group
01			Time Setting ✎	
02			Time Setting ✎	
03			Time Setting ✎	
04			Time Setting ✎	
05			Time Setting ✎	
06			Time Setting ✎	

< Esc	Time Setting
Sun	00:00-23:59 ✎
Mon	00:00-23:59 ✎
Tue	00:00-23:59 ✎
Wed	00:00-23:59 ✎
Thur	00:00-23:59 ✎
Fri	00:00-23:59 ✎
Sat	00:00-23:59 ✎

9.3 Lock Register

< Esc		Door Setup	Find.ID	Find.Nan
Door Setup	Time Setting	Lock Register	Time Group	Unlock Group
ID	Name		Lock Register ✎	
1	Ryan		01:00:00:00 ✎	
2	Dan		01:00:00:00 ✎	
3	Sophie		01:00:00:00 ✎	
4			01:00:00:00 ✎	

Click corresponding user to set user time zone, the number set in the lock register column represents different meaning, ：represents an interval character, the first number represents the group that user belongs to, the other three numbers represent the serial number of time setting that we set in the previous section; After verifying in device, check if the time is in user time zone, if it is, then door will be opened, if not, first check if the user belongs to the user group, if not, it isn't allow to open the door, if it is, then check if this time is within group time zone, if it is, then door will be opened, otherwise, it isn't allow to open the door;

Note：Group time zone is set in section 9.4 Time Group, each user group can set up to three time zones

Item	Meaning
1:00:00:00	The user belongs to group 1, and the last three are all 00, which means it will check if this time is in group time zone of group 1 rather than check user time zone, because all the user time zones are set to 00
1:01:00:00	The user belongs to group 1, This user applies time setting 01, example: Time setting 01 set the time from 08:00-10:00 on Monday, Then the user only has permission to open the door at 08:00-10:00 on Monday. If the user don't make punch within the time zone, first check if the user belongs to group 1, if not, it isn't allow to open door; if it is, then check if the time is in group time zone, if it is, the door will be opened, otherwise, it isn't allow to open door;
2:01:02:00	The user belongs to group 2, This user applies time setting 01 and time setting 02, example: Time setting 01 set the time from 08:00-10:00 on Monday ,Time setting 02 set the time from 13:00-15:00 on Monday, Then the user has permission to open the door during these two time periods on Monday. If the user don't make punch within the time zone, first check if the user belongs to group 2, if not, it isn't allow to open door; if it is, then check if the time is in group time zone, if it is, the door will be opened, otherwise, it isn't allow to open door;
It can be free combined ,access periods and so on	

You can quickly locate the person you want to edit by 【Find ID】 or 【Find Name】at the bottom.

9.4 Time Group
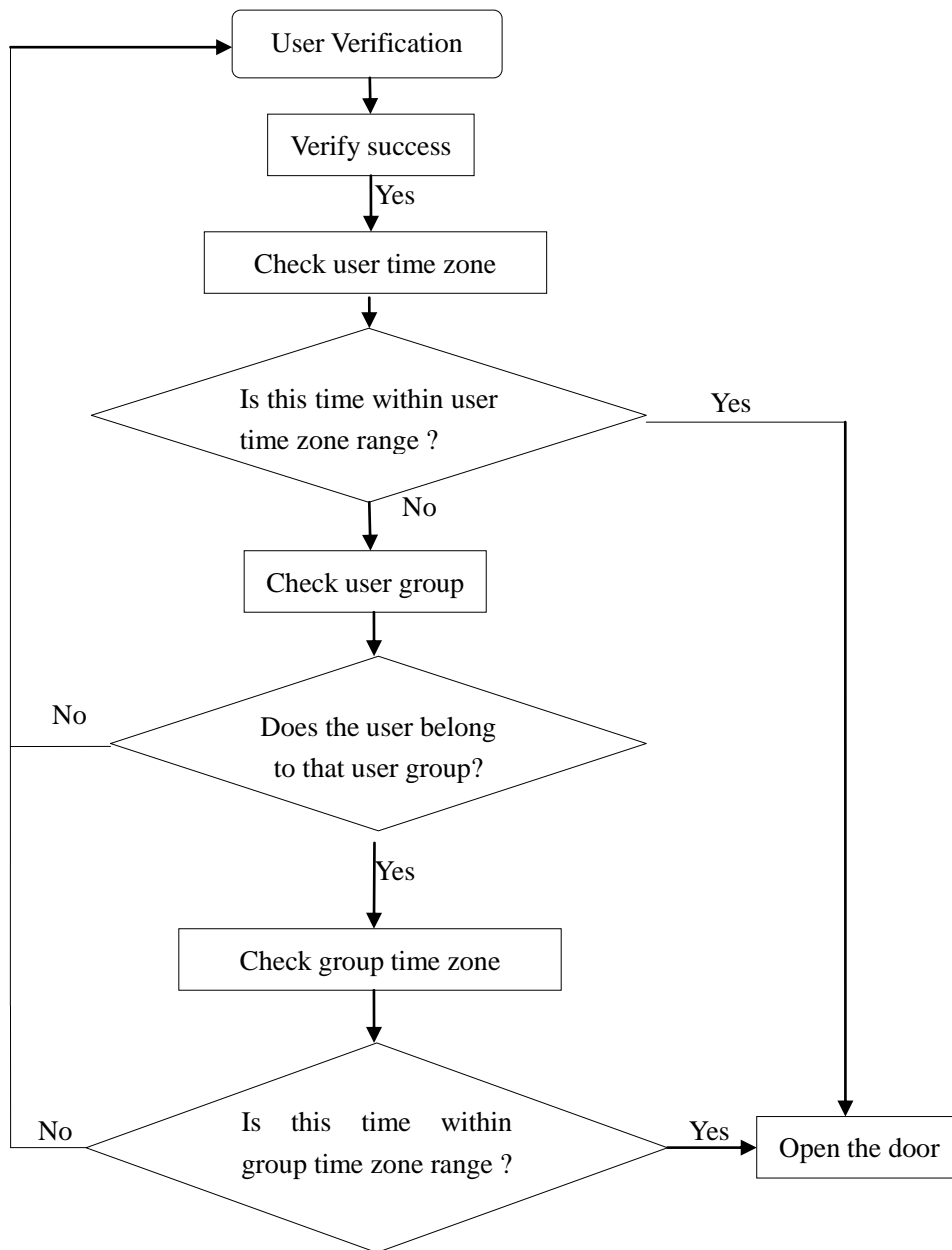
Time group defines the group time zone during which the users belong to this group can open the door, each group can set up to 3 【time setting】

As below sheet:【Group 1】includes three time zones:01,03 and 05

【Group 2】to 【Group 5】only include time zone 01

	The first time zone	The second time zone	The third time zone
Group 1	**01**	**03**	**05**
Group 2	**01**	**00**	**00**
Group 3	**01**	**00**	**00**
Group 4	**01**	**00**	**00**
Group 5	**01**	**00**	**00**

Verification flow chart based on user access control settings:

```
                    ┌──────────────────────┐
        ┌──────────▶│  User Verification   │
        │           └──────────────────────┘
        │                      │
        │           ┌──────────────────────┐
        │           │   Verify success     │
        │           └──────────────────────┘
        │                      │ Yes
        │           ┌──────────────────────┐
        │           │ Check user time zone │
        │           └──────────────────────┘
        │                      │
        │              ◇────────────────◇
        │             /  Is this time     \         Yes
        │            ◇   within user        ◇──────────────┐
        │             \  time zone range ? /              │
        │              ◇────────────────◇                 │
        │                      │ No                        │
        │           ┌──────────────────────┐               │
        │           │   Check user group   │               │
        │           └──────────────────────┘               │
        │                      │                           │
        │  No          ◇────────────────◇                  │
        ├─────────────◇  Does the user    ◇                │
        │              \ belong to that   /                │
        │               \ user group?    /                 │
        │                ◇──────────────◇                  │
        │                      │ Yes                       │
        │           ┌──────────────────────┐               │
        │           │ Check group time zone│               │
        │           └──────────────────────┘               │
        │                      │                           │
        │  No          ◇────────────────◇        Yes   ┌───────────────┐
        └─────────────◇  Is this time    ◇─────────────▶│ Open the door │
                       \ within group    /              └───────────────┘
                        \ time zone range?/                  ▲
                         ◇──────────────◇                    │
                                                             (Yes from top)
```

9.5 Unlock Group

Example: Set open group1 to 12, it means in the definition of user access control in the above section, it is defined that one from group 1 and another one from group 2 together to verify that can open the door. Time group can be set up to 5 groups

Example 1：Single one can open the door

    Group 1   1

In the above Settings, which means that only users belonging to group 1 have access to the door.

Example 2： **Different users from different groups**

Group 1   12

In the above Settings, which means that need 2 users that one belonging to group 1 and another one belonging to group 2 must together to verify that have access to the door.

Users belonging to group 1 and users belonging to group 2 do not have the right to open the door independently.

10. Bell

Click the icon [icon] in the higher right corner of screen to access into menu →
【Bell】, Up to 24 groups of scheduled ring time. Touch the bell time to enable it.

< Esc	Bell		
No	Bell Time		
01	00:00	☐	✎
02	00:00	☐	✎
03	00:00	☐	✎
04	00:00	☐	✎
05	00:00	☐	✎
06	00:00	☐	✎

11. Communication

Click the icon [icon] in the higher right corner of screen to access into menu →
【Comm】

11.1 Comm

< Esc	Comm			
Comm	Server	NTP	Ethenet	Wifi
Device No				1 ✎
Port No				5005 ✎
Net Pwd				0 ✎
Mode				Local ✎

Item	Meaning	
Device No.	Set corresponding device No., the default device No. is 1, Please note that the number is related to the communication	
Port No.	The default port No. is 5005, For communication connection under LAN	
Net Pwd	The default setting is 0, it means that there is no communication password. If you want to change the password, you should also set the same password in the software	
Mode	Local (LAN)	If you use Ethernet or Wifi communication, please select mode to Local
	Internet(WAN)	If you use server communication, please select mode to Local, mainly used for cloud attendance

11.2 Server

< Esc		Comm		
Comm	Server	NTP	Ethenet	Wifi

Server Rep	No ✎
Server	47.106.68.143 ✎
Server Port	82 ✎

When you select the mode to internet in 【Comm】, please do corresponding server settings on this page.

Item	Meaning
Server Req	Select 'yes' to enable server communication
Server	Enter the server IP address or server domain name
Server Port	Enter the server communication port No.

11.3 NTP

It is for calibrating the device time. After enabling, set the corresponding NTP server, and the device will calibrate according to this server.

11.4 Ethernet

Item	Meaning
1、Enable	Yes / No, Whether to use this connection
2、DHCP	Yes / No 1、 Select "Yes". Device will automatically get a valid IP address 2、Select "No". You need to set the IP address manually 3、In Local mode, we recommend to set the IP address manually, because if you restart the device, it may get another valid IP address. So that the software cannot communicate with the device. 4、Please do the settings according to the real network situation.
When using Ethernet, please disable wifi	

11.5 Wifi

< Esc	Comm			
Comm	Server	NTP	Ethenet	Wifi
Enable				Yes ✎
Search				BIOQIN >
DHCP				Yes ✎
IP Address			192.168.001.179	
Netmask			255.255.255.000	

Item	Meaning
1、 Enable	Yes / No
2、 DHCP	Yes / No 1、 In Local mode and use supporting software ,select "No", then set the IP address manually 2、 In Internet mode, we recommend to select "Yes"
3、 Search	The operation steps are similar to the operation method of connecting the mobile phone to the WIFI. Select "Search"，Device will spend a short time searching for signals, Then select the WIFI you want to connect to and enter the password
When using Wifi, please disable Ethernet	

12. System Information

Click the icon [icon] in the higher right corner of screen to access into menu →【Info】, query registration information and detailed information of device.

< Esc	
User Info	Device
Admin quantity	0/5
Users quantity	4/3000
Face quantity	2/3000
Card quantity	0/3000
Password quantity	2/3000
Log quantity	129/1000000

Appendix1 Schematic Diagram of Access Control Wiring

1）Schematic diagram of device wiring port

ALARM-	Alarm Signal
ALARM+	Alarm Signal
NO	Normal opened end of the control lock signal
COM	The common end of the control lock signal
NC	Normal closed end of the control lock signal
OPEN	Opening signal
GND	GND
SEN	Door Sensor
BELL-	Door Bell-
BELL+	Door Bell+
FIRE1	Fire Input Alarm 1
FIRE2	Fire Input Alarm 2

12V	12V
GND	GND

RJ-45-1	
RJ-45-2	TCP/IP
RJ-45-3	Interface
RJ-45-6	

D1-OUT	Wiegand Output D1
D0-OUT	Wiegand Output D0
GND	GND
D1-IN	Wiegand Input D1
D0-IN	Wiegand Input D0
GND	GND
485-A	485-A
485-B	485-B

2）**Device connection diagram**
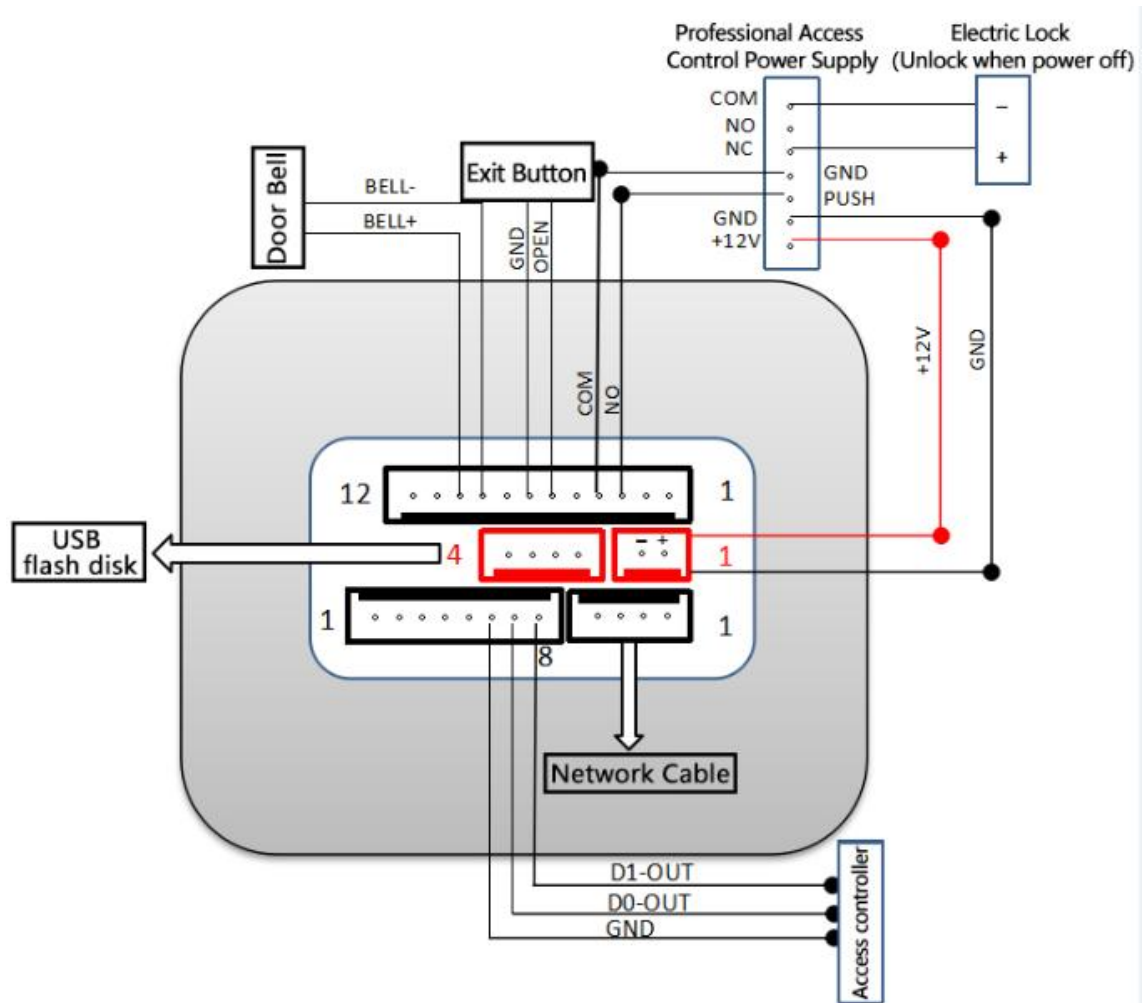
Appendix2　　Input Method Introduction
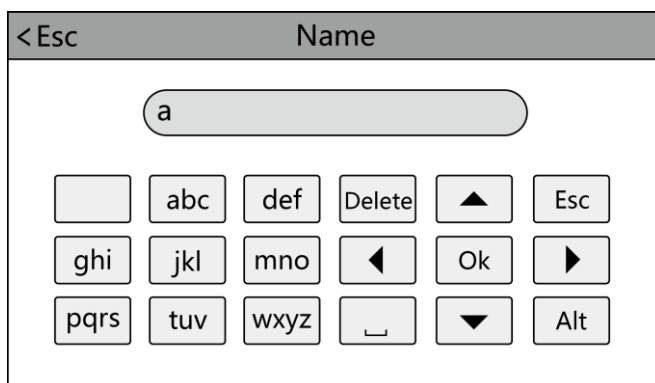
Touch 'Alt' to switch capital/small letter or number, after finished,touch 'Ok' to save it

How to input punctuation:when the input method is in capital/small letter

state,continuous click '␣' to select what you want to input. The first one is space, the

second is dot and so on

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Appendix3   Temperature Measurement Function

Click the icon in the higher right corner of screen to access into menu →【System】-【General Settings】. Explanation of related parameters as below:

Item	Meaning
Temperature measurement	whether to enable temperature measurement function, only when the user's temperature is below alarm temperature value can the user access
Stranger temperature measurement	If enable this function, as long as the user's temperature is below alarm temperature value can the user access, no matter what this person is registered or unregistered
Alarm temperature value	If the user's temperature is equal or greater than this value, the device will alarm
Temperature calibration value	If no need to change displayed value just set it to 0.00, it means what value is measured and what value is displayed, if set it to other numbers, the displayed value is equal to measured value plus or minus the calibration value
Temperature calibration acc	Set plus or minus,if set to plus,the displayed value is equal to measured value plus the calibration value, if set to minus, the displayed value is equal to measured value minus calibration value
Temperature accuracy class	Set different temperature accuracy class

Download access report with temperature

Click the icon [icon] in the higher right corner of screen to access into menu →

【Report】-【Temperature report】

Serial number	Registration number	Name	Id	Temperature	Time
1	268435455			43.4	2020-03-23 14:53:24
2	3	JAKEY		43.4	2020-03-23 14:53:24
3	268435455			37.2	2020-03-23 14:53:47
4	3	JAKEY		37.2	2020-03-23 14:53:48
5	3	JAKEY		38.6	2020-03-23 14:54:04
6	268435455			38.6	2020-03-23 14:54:05
7	3	JAKEY		38.6	2020-03-23 14:54:06
8	268435455			38.6	2020-03-23 14:54:07
9	3	JAKEY		38.6	2020-03-23 14:54:08
10	268435455			38.6	2020-03-23 14:54:09
11	3	JAKEY		38.6	2020-03-23 14:54:10
12	268435455			37.3	2020-03-23 14:54:11
13	3	JAKEY		37.3	2020-03-23 14:54:12
14	268435455			37.3	2020-03-23 14:54:13

Note: 1. ID 268435455 represents unregistered person

2.Temperature value with red mark means it is equal or greater than the alarm temperature value, device will store this kind of records but the user cannot access