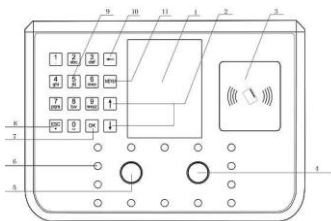
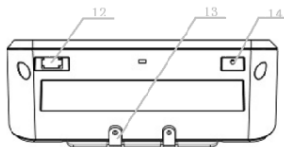


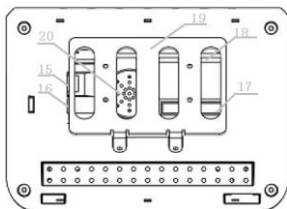
Device Configuration



Front View Figure



Elevation View Figure



Back View Figure

① TFT Color LCD

Display the function menu and user information.

② Navigation Key

Press ↑/↓ keys to select the target function in the menu.

③ Area for Swiping RFID Card

Swipe RFID card around this area.

④ Left Sensor

Capture face images.

⑤ Right Sensor

Capture face images.

⑥ LED

Located around the sensor, provide enough light for sensor to capture the face images.

⑦ OK-Confirmation key

If there is prompt information popup or options need to be confirmed, press OK to confirm the operation.

⑧ ESC----Return/Cancel key

Under the selection prompt or input states, press ESC to cancel the current operation. When the system under the sub-interface, press ESC to exit the current interface, and return to the upper interface.

⑨ Index/Numeric key

Index list key: Under the menu state, each number corresponding to each option in the menu, press any number key to select and operate the corresponding function in the menu.

Numeric key: Under the input state, the Numeric key 0~9 are used for inputting numbers or letters.

⑩ Backspace key

Under the input state, press this key to delete a number, the cursor will go back a space.

⑪ MENU key

Press MENU key to shift to the Administrator Verifying interface, user can operate the system as an administrator after verified by the system.

⑫ USB port

Connect with USB flash driver, after verified by administrator, user can import or export data by using the USB flash driver.

⑬ Device installation mounting plate

It is used for fixing the device on the wall.

⑭ Reset button

The device will be restarted by pressing the button in this hole.

⑮ Net cable port

Insert net cable in the net cable port, the device will be connected with PC for any management operation with the software.

⑯ Power adapter port

Standard power adapter port.

⑰ Connection terminal

Terminal for connecting with access control panel and power supply.

⑱ SD card inserting slot

Insert SD memory card in this slot.

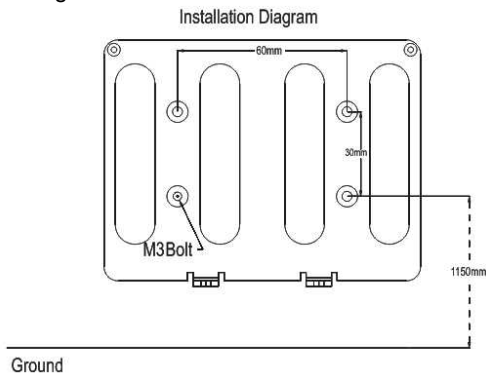
⑲ Mounting plate

⑳ Speaker

Broadcast system voice or information.

Installation Instruction

- Please drill four holes on the wall according to below diagram.



- Install the Mounting plate, the vertical distance could be

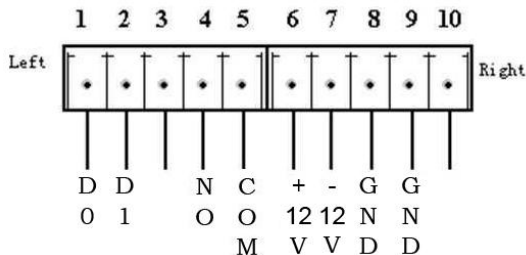
1.15 meters between the two below level holes and ground.

- Unconnected with door controller

Insert the standard power adapter plug into the power port which is placed at the left slot in the back of the device.

- Connected with access controller

Connect the cable with the terminal port through the backboard as the installation diagram shown.



(Terminal Port Diagram)

D0: Wiegand output 0 D1: Wiegand output 1

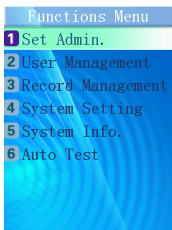
+12V: Power GND: Ground


- Plug the RJ45 crystal port of net cable into the net cable port which is located at left top side in the back of device.
- Fixed the Mounting plate on the wall and please ensure the backboard is horizontal and vertical from the ground, and it need to be stucked with wall.

- Insert the fixing holes at the back of device into the protrude pins which are placed at the Mounting plate, then press it down softly, keep the device hanging on the Mounting plate and stick it with the backboard, then fix the screw at the bottom of device.
- Make sure all connection finished and correct, then power on the device.

First Entrance

Start the system at the first time, the administrator has not been set yet. Press MENU to enter Functions Menu interface, following picture will be shown on the screen. Then select “1” to enter Set Administrator operation model.



 **Caution:** Please set one administrator at least when start to use this device, make sure all operations are controlled by the administrator.

Set Administrator

Number of Administrators

- There are five unset administrators in the system.
- If an administrator is not set, the “Unset” will be displayed at the right side.

Register Administrator

- Select the number of an unset administrator to enter the registration model.
- Please follow the enrollment guide for face enrollment.
- After face enrolled, the system will ask whether “Add as User? ”, press ESC to finish administrator setting or press OK to enter User setting. Input the User Number, User’s Name.
- After input the user name, “Permit Open Door”, “Permit Attendance” will prompt out for settings step by step.



Hint: User can input capital/small letter and blank/dot character synchronously when input user name. Press “ESC” to switch model between capital and small letter.

Register Finished

- The register successful information will be shown on the screen.

- The system will return to “Set Administrator” interface automatically.

Administrator Verification

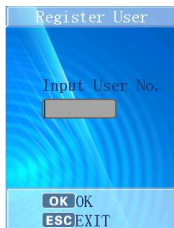
- Press MENU to enter to administrator verifying model.
- After face verification successful, administrator could enter to the menu to do more settings as User management, set system, ect.
- Users will be verified during 5 seconds as a cycle for administrator verifying. If verification failed after 3 cycles continuously, “Recognition Failed” will be shown.

User Management

Press MENU to enter to administrator verifying model, administrator will enter Functions Menu interface after verified successfully, press 2 for User Management then press 1 for register user.

- Input User No.

Input User Number in it as the following figure shown, the system will inspect whether this user is existed in the database.



Press OK to confirm, and then press ESC to quit and



rn to the “Function Menu”.

Hint: Register User Parameter:

Total Capacity: 500 users

User Number Range: 1-99999999

User Name Length: Maximum 18 characters per person

- **Input Name**

Input available Name in corresponding interface. User can input capital/small letter and blank/dot character synchronously. Press “ESC” to switch model between capital and small letter.

- **Select Authentication Method**

There are four options for authentication methods as the following figure shown, select the corresponding option for the enrollment.

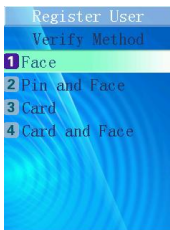


Hint: Face recognition for normal user

Card recognition for temporary user

Pin and Face recognition for high security level

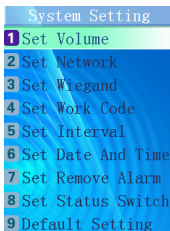
Card and Face recognition for high security level



- After face or card or card and face enrolled, “Permit open Door”, “Permit attendance” will prompt out for setting step by step. It will return to “Input User No.” interface to register the next user.

System Setting

Enter the function menu, press the corresponding number “4” to enter System Setting.





Hint: When under system setting, press ok the confirm the setting, then do more settings; If press ESC, the setting will not be saved and the system will return to the “System Setting” menu.

- Set Volume

Press the corresponding number to choose “High, Middle, Low” level, or press ↑/↓ keys to shift the options, then press OK to confirm volume setting, the device will utter the correct hint voice.

- Set Network

According to the direction of networking engineer to set IP address, mask code and gateway address.

Press OK to confirm the setting, the complete networking information will be shown on the screen.

- Set Wiegand output

According to the direction of access control engineer to set the format of the Wiegandout in the device, it can support the setting: Wiegand 26 and Wiegand 34.

- Set Work Code

Press the corresponding number “4” to enter Set Work Code interface directly.

Press “Add Work Code” to set a new work code. Firstly, input an available work code ID, press OK to confirm. Then

input name that want to be defined. Press OK to confirm the setting and it will utter the correct hint voice.

Press “Browse Work Code” to inspect all work codes that have been set.

Press ↑/↓ keys to choose other corresponding options which want to be selected, and then press OK to operate this option, or press the corresponding number key to operate the corresponding function directly.

Related Parameter:

Work Code ID Range: 1-9999



Work Code Name: Maximum 18 characters

Hint: If the user have selected “Open Work Code” model, Users will have to select corresponding work code after verified successfully. This setting is special for time attendance application.

- **Set Interval**

Set time range or attendance interval. If set 2 minutes, the first attendance log will be recorded in each 2 minutes for every user, other log will not be recorded.

- **Set Date and Time**

Set Date and Time

Input combined numbers in y/m/d frames respectively, cursor will jump to the next frame when finishing in the last

frame, cursor will wink in which it located, and inspect the number's validity automatically. When finishing, press OK to confirm the time setting.

Set DST

Input DST Start time and End Time in m/d/h frames respectively. Press OK to confirm the time setting.

The system time will advance an hour when it comes to Start time and will recover when it comes to End time.

- **Set Remove Alarm**

Select Open, the alarm will prompt automatically when the device is removed by anyone else, select Close, the device won't alarm when it is removed.

- **Set Status Switch**

Press the corresponding number "8" to enter Set Status Switch interface directly.

The System already has two Status as default setting: 1.on duty 2.off duty. Choose Add Status to add new status. The system totally can support 8 status.


Related Parameter

Status ID Range: 3-9

Status Name Length: Maximum 18 characters

View all status through pressing "Browse Status".The system have been set "on duty" time for 9:00 and "off duty"

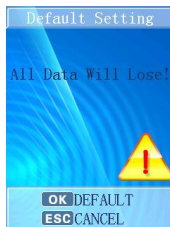
time for 18:00 as default. Press “Status Switch Time” to
page corresponding status time.

 Hint: Press “↓”key to select more optional status in the recognition and Standby interface.


- Default Setting

The caution information will display as the following figure shown.

Press ESC to cancel the operation and return to the “Set System” menu; if press OK, the system will be recovered to the default setting, at the same time “Clearing..., please wait...”will be shown on the screen.



After that, “All Data Cleared!” will be shown and the correct hint voice can be heard, the system will be restarted
automatically.

 Hint: “Default Setting” means the system will clear all users’ information. All attendance records and pictures, all administrators and all settings will be lost and

recovered to the default setting.

Record Management

- Record inquiry

Input User Number/Start time/End time to get the user's record.

- Clear record



All record will lose if select Clear Record Setting.

USB Import or Export

USB Import or Export Model

- Under the system standby interface, insert USB flash driver, the system will startup administrator verifying function automatically, after the verification, the following figure will be shown.



- Remove the USB flash driver or press ESC, the system

will return to the standby interface.



Caution: Due to the capability of chip is limited, a few models of USB flash drive or card readers could not be compatible with this device.

USB flash driver operation

Export records

Press number “1” to export all attendance records and access records from the device, the procedure percent will be shown on the screen; the data exported will form a new file named TIME.TXT in the USB flash driver.

After that, there will be successful prompt information display, and utter the correct hint voice. After 2 seconds, the system will return to the “Function Menu”.

Export Part Users

Press number “2” to export the selected user’s information, input User Number and press OK to confirm, and then input the next one’s User No. Press ESC to finish the selection, the system will export the information that had been selected before.

During the exporting process, the procedure percent will be shown on the screen. There will be successful prompt information display when it finished, and utter the correct hint voice. After 2 seconds, the system will return to the “Function

Menu”. The data exported will form a new file named USER.TXT in the USB flash driver.

Export All Users

Press number “3” to export all users’ information. During the exporting process, the procedure percent will be shown on the screen. There will be successful prompt information display when it finished, and utter the correct hint voice. After 2 seconds, the system will return to the “Function Menu”. The data exported will form a new file named USERALL.TXT in the USB flash driver.

Import Part Users


Press number “4” to import the users’ information saved in USER.TXT file from the USB flash driver to the database in the device. During the importing process, the procedure percent will be shown on the screen. The imported data will add up or cover the former data according to the User No. There will be successful prompt information display when it finished, and utter the correct hint voice. After 2 seconds, the system will return to the “Function Menu”.

Import All Users

Press number “5” to import the users’ information saved in USERALL.TXT file from the USB flash driver to the database in the device. During the importing process, the

procedure percent will be shown on the screen. The imported data will add up or cover the former data according to the User No.

There will be successful prompt information display when it finished, and utter the correct hint voice. After 2 seconds, the system will return to the “Function Menu”.

 **Caution:** The imported file must be USER.TXT or USERALL.TXT which is exported from the device, and the contents must not be modified, unless there will be a fault.



Import Users List

Press number “6” to import the users’ number&name information that saved in USERLIST.TXT file from the USB flash driver to the database in the device. The imported data will add up or cover the former data according to the User Number. The device will utter the correct hint voice when finishing import.

Import Work Code

Press number “7” to import the users’ number&name information that saved in WORKCODE.TXT file from the USB flash driver to the database in the device. The imported data will add into the device that will utter the correct hint voice when finishing import.

Import Work Status

Press number “8” to import the users’ number&name information that saved in STATUS.TXT file from the USB flash driver to the database in the device. The imported data will add into the device that will utter the correct hint voice when finishing import.

Face recognition

- When a user step towards the device about 0.5 meter, the device will apperceive and startup face recognition function automatically, face recognition interface will be shown on the screen, it will be the color figure, there is a green sector brush go around deasil continuously and the green circle line frame will direct user to aim at sensor.
- When face detected successfully, the green line frame will display on the screen, and a green stick will scan

user's image from top to bottom for detecting user's face.

- Face recognition and user searching will be finished at the same time.
- During the detection process, the system will provide some prompt information for user, such as: "Please Get Closer", "Please Get Farther" and "Adjust Your Action".

Card recognition

- If user select the card Authentication method, the user will be verified by card. Once card verification success, a "click" voice can be heard, the device is taking a photo of this user, and this face picture will be saved in the device for security photo.

User No. & Face Recognition

- If some users cannot be detected well or for high security application, press the backspace key "←" to enter the input "User No." interface, input the user number first and then perform face verification.
- If the User Number input is not existed, the prompt information will be shown and system will return to the input "User No." interface.

Face & Card Recognition

- If user selects the “Face & Card Recognition” authentication method, user can register the card first and register face to combine the authentication method.
- User need swipe the card first, there will be face verification after card verified.