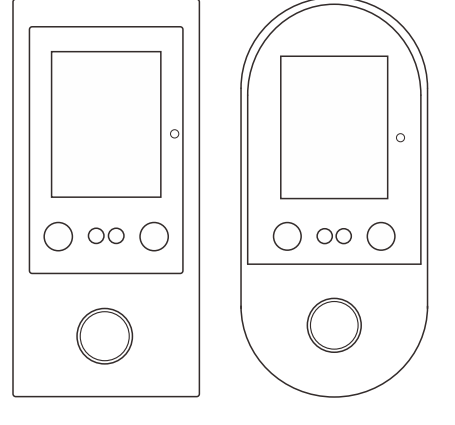


### Face and Card Access Control



User Manual

#### INTRODUCTION

The device is a metal case standalone face access control with integrated card reader, with Wiegand 26 or 34 bits input & output. It supports offline Time Attendance, with 200000 log capacity. Its user capacity is 2000, can support maximum 1000 face users, 3000 card users (including 10 administrators).

It equips with an infrared remote control for operation, and supports 4 access ways: face or card, card + face, face only or card only.

#### Specifications

User Capacity	3,000
Card	1,000
Log Capacity	200,000
Operating Voltage	12V DC
Idle Current	≤140mA
Active Current	≤230mA
Display	2.4 TFT Color Screen LCD
Camera	Dual HD cameras
Infrared Light	Dual IR
Identification Speed	<0.6s
Identification Way	Face / Card, Card + Face, Face, Card
Face FRR	<0.001%
Face FAR	<1%
Proximity Card Reader	EM or Mifare
Radio Technology	125KHz / 13.56MHz
Read Range	10m
Relay Output	Excl Button, DOTL, Alarm, Wiegand Input, Wiegand Output
Wiegand Interface	Wiegand 26 or 34 bits Input & Output (default: 26bits)
Communication	U-disk (Only support FAT32/16 format)
Environment	Indoor
Operating Temperature	-20°C ~ 50°C (4°F ~ 122°F)
Operating Humidity	20%RH~80%RH

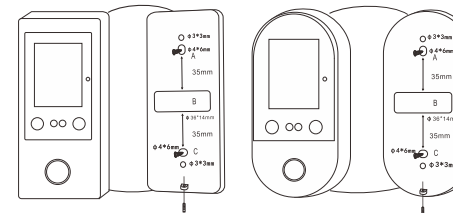
#### Physical

Surface Finish: Powder Coat  
Dimensions: L145 × W68 × D25 (mm) Rectangle  
L450 × W170 × D25 (mm) Ellipse  
450g (Rectangle) / 400g (Ellipse)  
Shipping Weight: 550g (Rectangle) / 500g (Ellipse)

#### Carton Inventory

- 1 × Device
- 1 × Wall Anchors
- 1 × Self Tapping Screws (4×25mm)
- 1 × Screw Driver
- 1 × USB Cable

#### INSTALLATION



#### Wiring

Wire Color	Function	Notes
Red	12V DC	12V DC Regulated Power Input
Black	GND	Ground
Blue	Relay NO	Normally Open Relay Output (Inital diode provided)
Purple	Relay Common	Common Connection for Relay Output
Orange	Relay NC	Normally Closed Relay Output (Initial diode provided)
Yellow	OPEN	Request to Exit/REX Input

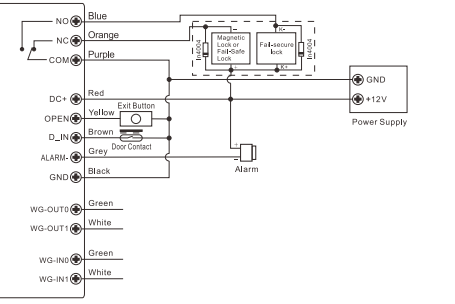
#### Wiegand Input & Output Wiring

Color	Wiegand Input Data	Wiegand Output Data
Green	Data 0	Wiegand Input Data 0
White	Data 1	Wiegand Input Data 1
Green	Data 0	Wiegand Output Data 0
White	Data 1	Wiegand Output Data 1

#### Alarm & Contact Wiring

Color	Alarm Output	Negative Contact for Alarm
Gray	Alarm Output	
Brown	Contact Input	Door/Gate Contact Input (Normally Closed)

#### Connection Diagram



#### Menu Operations

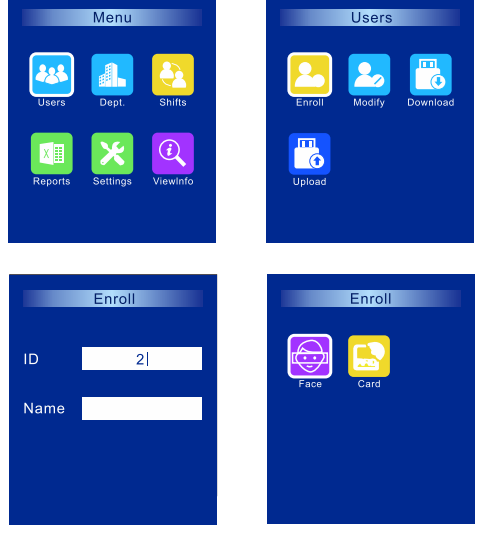
The device equips with an infrared remote control, all the menu operations are done by this remote control.

#### 1. User Management

Press 'M' on the remote control to enter menu, and select 'Users'

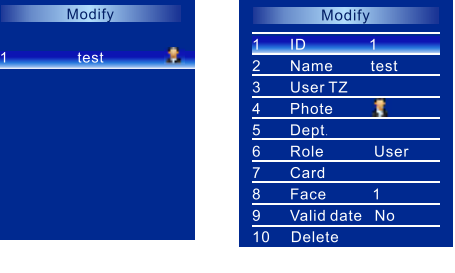
#### 1.1 Enroll

Select 'Enroll', input the ID number and Name, then select 'Face' or 'Card' to register new users.



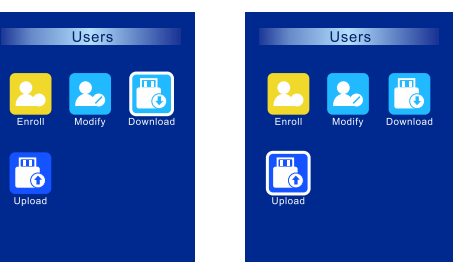
#### 1.2 Modify

Select 'Modify' to modify user information, including Name, User Time Zone, Photo, Department, Role (User or Admin), Card, Face (After enroll new face, the Photo will be changed accordingly), Valid Date and Delete. Remark: the ID number can't be modified.




#### 1.3 Download / Upload

Select 'Download' or 'Upload' to download or upload user information with U-disk.



#### 2. Department Management

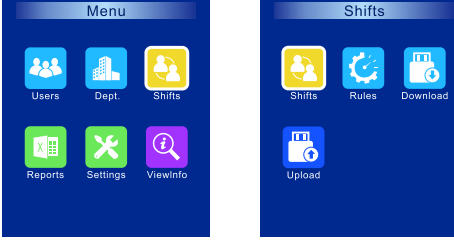
Select 'Dept.' and set the department name, total can set 16 departments. Here it can show how many users under each department.




#### 3. Shift Management

#### 3.1 Set Shift

Can set 24 shifts totally.



#### 3.2 Rules

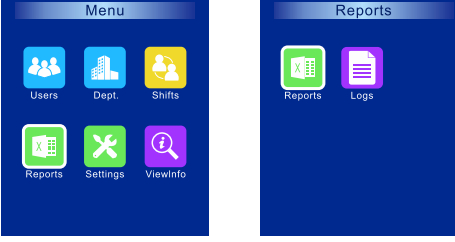


#### 3.3 Download / Upload

Can download / Upload shifts with U-disk

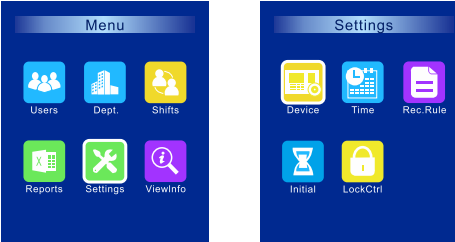
#### 4. Download Reports

Select 'Reports' to download Reports or Logs with U-disk.



#### 5. Settings

Select 'Settings', then select 'Device'



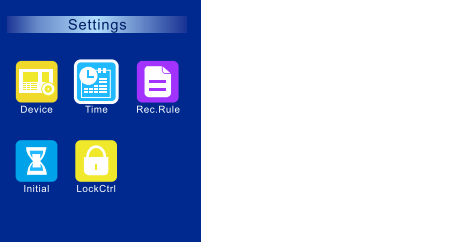
#### 5.1 Device

Select 'Settings', then select 'Device'

Language	English, Spanish, Chinese
Admins	0-10 optional
Verify Mode	Face/Card, Card+Face, Face only, Card only
Verified Screen	The time that back to the menu after verification
Screen Saver	When the device's standby time exceeds the time set here, then the device goes to Screen Saver
Sleep Time	When the device's screen saver time exceeds the time set here, then the device goes to Sleep mode, press any button on remote control can wake up the device
Set Bell	To set the time for bell ringing, up to 24 groups bell time can be set, and for each bell, can set 1~60 times.

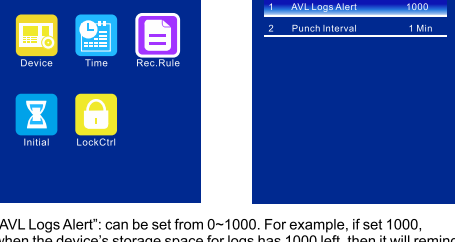
#### 5.2 Time

Select 'Settings', then select 'Time' to set the time and date of the device.



#### 5.3 Records Rule

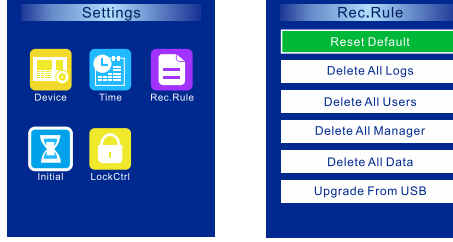
Select 'Settings', then select 'Rec. Rule' to set the records rule.



\*AVL Logs Alert\* can be set from 0-1000. For example, if set 1000, when the device's storage space for logs has 1000 left, then it will remind on the main interface.

#### 5.4 Initial

Select 'Settings', then select 'Initial'



Reset Default: Reset the device to factory default (The user information and records are still retained).

Delete All Logs: Need input PIN code 8282.

Delete All Users: Need input PIN code 8282 (Use with caution).

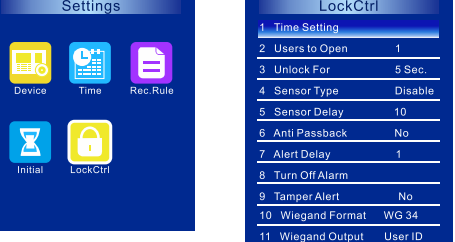
Delete All Manager: Need input PIN code 8282 (After deleting, the manager will become user).

Delete All Data: This will delete all the logs and user information, need input PIN code 8282 (Use with caution).

Upgrade From USB: This is to upgrade the Firmware, copy the firmware to USB, connect the USB to the device, select here, then press 'OK'.

#### 5.5 Lock Control

Select 'Settings', then select 'Lock Ctrl'



Time Setting: To set the time interval for unlocking every day.

Users to Open: To set how many users can open the door, can set 1-10 (default: 1). For example, if set 3, then only after 3 users verified, the door can open.

Unlock For: Set the door open time 0-200 seconds (default: 5 seconds).

Sensor Type: Can set 'Disable', 'NC' or 'NO'. 'NC' means when the door closed, the sensor is normally closed; 'NO' means when the door opened, the sensor is normally open.

Sensor Delay: After open or close the door, the time to start detecting the door status, can be set 0-200 seconds (default: 10 seconds).


Anti Passback: Can set 'No' or 'Yes'.

Alert Delay: After triggering tamper switch of the machine, start alarm if over the delay time set.


Turn Off Alarm: When the alarm is on, and if it is not illegal operation, can stop the alarm by select 'Turn Off Alarm'.

Tamper Alert: Can set 'No' or 'Yes'. If set 'Yes', the alarm will be when the machine's back cover is removed.

#### 6.2 Registration Info



#### 6.3 Device Info



#### 6.1 User Log

View each user's logs within a period.

