User Manual

2.0 Inch TFT RFID Access Control Terminal

Version: 1.0

About This Manual

- This manual introduces the operations of user interface and menu functions of the 2.0-Inch TFT RFID Access Control Terminal.

- The pictures in this manual may not be exactly consistent with that of your product; the actual product's display shall prevail.

- The items with ★ may be the standard functions in some devices but optional in some others; different devices have different equipped functions, the actual product shall prevail.

Contents

1 Safety Precautions

The following precautions are to keep users safe and prevent any damage.

Please read carefully before installation.

 Do not install the device in an area subject to direct sunlight, humidity or dust.

 Do not place a magnet near the device. Magnetic field from magnets, TV, monitor or speaker may damage the device.

 Do not place the device next to a heating equipment.

 Prevent any liquid such as water, milk or chemicals from leaking into the device.

 Do not let children touch the device without supervision.

 Do not drop the device.

 Do not disassemble, repair or alter the device.

 Do not use the device for any purpose other than specified ones.

 To keep the device clean, please wipe it with a soft towel or cloth to remove dust; do not use water for cleansing.

Please contact your supplier in case of any problem.

2 Main Menu

When the device is in stand-by mode, press [MENU] to enter the main menu.

User Management: To register user's basic information, including ID Number, Password, User Permissions (User or Admin) and Card Number etc.

Access: To set the Time Zone, Holiday, Access Control Group, the related parameters of the device for controlling the lock and so on.

Communication: To set network parameters, Baud Rate, password for connecting software and the device, and Wiegand parameters etc.

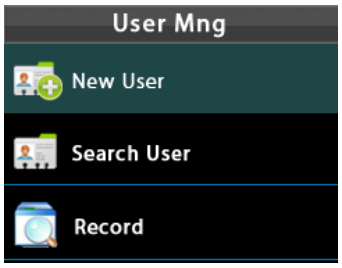
System: Including Date/Time, Keyboard Clicks, Voice Prompts, Volume, Sleeping Time, Attendance Status, Alarm Management, Auto-Check and Resetting System etc.

Date Management: Clearing all data or clearing permissions

U Disk: To manage data by U disk, including downloading attendance logs, downloading and uploading user data and updating firmware. You can import user data and attendance logs from the device to related software (or other device) for analysis.

3 User Management

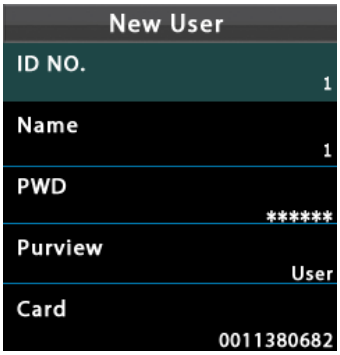
Press [MENU] > [User Mng] to enter [User Mng] interface.



User management includes adding new user, searching user and finding record.

3.1 Adding New User

Press [MENU] > [User Mng] > [New User] to enter [New User] interface.

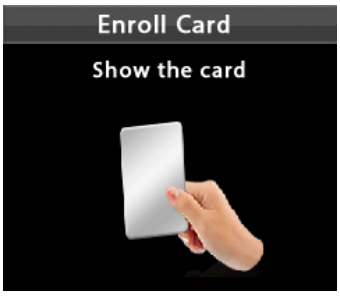


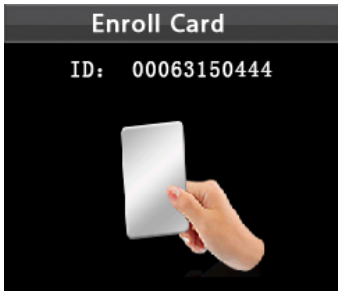
ID No.: The maximum length is nine-digit.

PWD: The maximum length is six-digit.

Purview: including User and Admin.

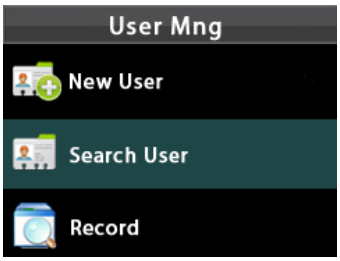
Card: Enter [Enroll Card] interface, swipe card on the card sensor.



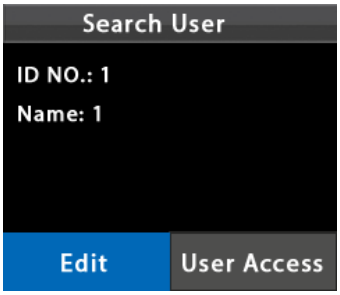


3.2 Searching User

Press [MENU] > [User Mng] > [Search User] to enter [Search User] interface.

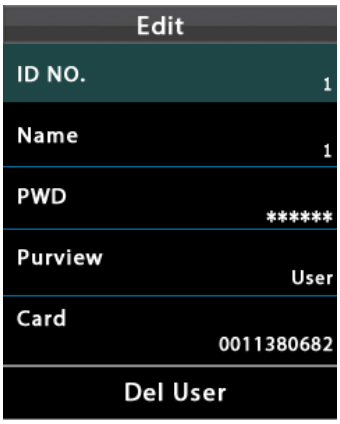


Search User: Input the ID Number and press [OK] to search the corresponding user, and then you may edit, delete or set the user access control role.



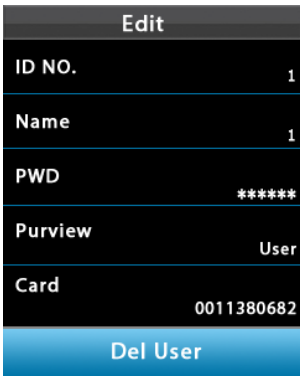
3.2.1 Editing User

Press [MENU] > [User Mng] > [Search User] > [Edit] to enter [Edit] interface.



3.2.2 Deleting User

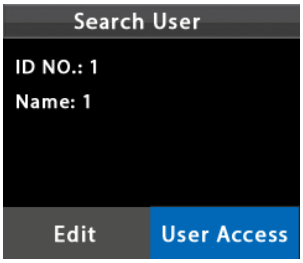
Press [MENU] > [User Mng] > [Search User] > [Edit] > [Del User] to delete the user.



3.2.3 Setting Access Control Role

To set access control role for every user.

Press [MENU] > [User Mng] > [Search User] > user ID > [User Access] to enter [User Access] interface.



ID No.: The ID number of the user.

Group No.: To allocate users to various access control groups for management. New users are classified to Group 1 in default setting, which can be reallocated to another group.

Use TZ: Group time zone or custom time zone can be selected.

Grp TZ: The default time zone of the group which the user belongs to.

Custom TZ: When custom TZ is chosen, TZ1~TZ3 will be displayed on the interface for setting. The custom time zone will not affect the time zone of other users in the same group.

✍Note: The maximum of time zones for a user is 3. When the user's verification time falls into any one or more of the three time zones, verification will be valid.

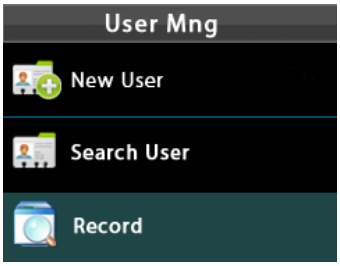
Verify Type: Group Verify Type or Personal Verify Type can be chosen. The verify type of other users in the same group will not be affected when Personal Verify Type is chosen.

Personal Verify Type: PIN (only ID number), PW (only password), RF (only card), PW/RF (password or card), PW&RF (password and card)

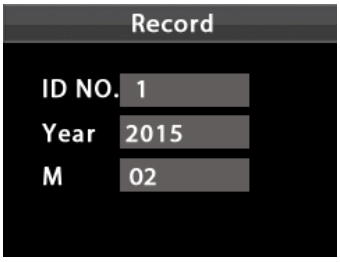
✍Note: Personal Verify Type takes precedence over Group Verify Type.

3.3 Finding Record

Press [MENU] > [User Mng] > [Record] to enter [Record] interface.

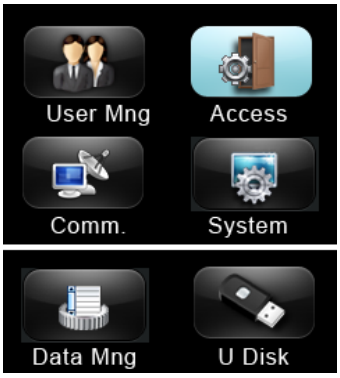


Record: Finding Record, input ID number, year and month, and then press [OK] to search the access control records in the specific month.



4 Access Control Setting

Press [MENU] > [Access] to enter [Access] interface.



Access Control Setting is for configuring the related parameters of time zone and controlling the lock, which includes Unlock Combination, Access Control Admin., Linkage, Duress Alarm, Anti-passback and Resetting Access Control Setting.

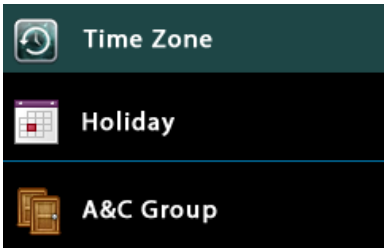
To unlock, the enrolled user must meet the following conditions:

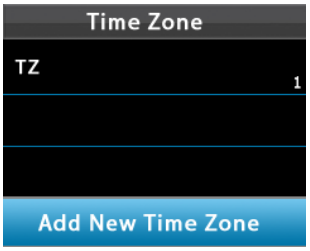
1. The current unlock time should be in the valid time of user time zone or group time zone.
2. Users of the combination group must be in an access control group (either in the same access control group, or in different groups but open the door together).

4.1 Time Zone Setting

Time Zone is the minimum time unit of Access Control Setting; at most 50 Time Zones can be set for the system. Each Time Zone consists of 7 time sections (a week), and each time section is the valid time within 24 hrs.

Press [MENU] > [Access] > [Time Zone] to enter [Time Zone] interface. The default Time Zone No. is 1 (whole-day valid), which can be edited.





If the end time is greater than the start time, the time section is valid. For example, 9:00 ~ 22:00 or 00:00 ~ 23:59 (whole-day valid).

If the end time is less than the start time, the time section is invalid. For example, 12:00 ~ 9:00 or 23:59 ~ 00:00 (whole-day invalid).

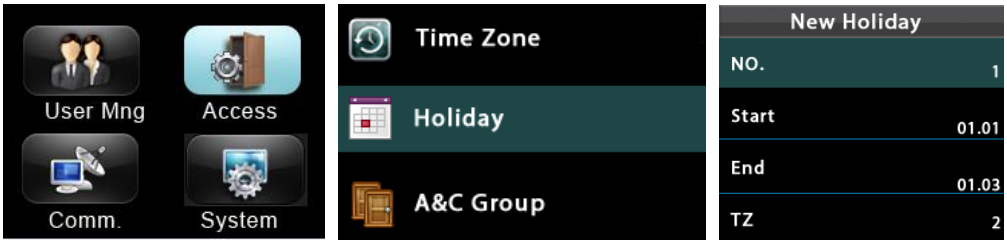
For example, setting Time Zone 2 (valid)

Time Zone 2: Setting it as 10:00 ~ 17:00 from Sunday to Saturday, since the end time is greater than the start time, Time Zone 2 is valid.

4.2 Holiday Setting

The holiday access control time can be set, which is applicable for all users during holiday.

Press [MENU] > [Access] > [Holiday] to enter [Holiday] interface.



✍Note: Only Month and Day should be set in [Start] or [End], and it is applicable to all years. As the figure above, Holiday 1 starts from January 1, and ends on January 3, adopting Time Zone 2 (10:00 ~ 17:00 from Sunday to Saturday).

How to enable Holiday function?

Press [MENU] > [Access] > [A&C Group] > choose an access control group > Holiday > ON to enable the holiday.

✍Note: Enabling/disabling Holiday is applicable to all users within the same access control group.

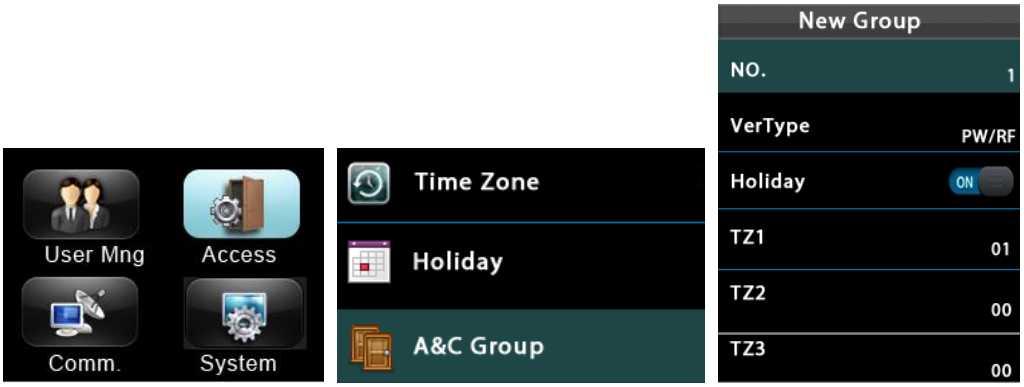
4.3 Access Control Group Setting

Grouping is to manage users in groups.

By default, users in a group adopt the group time zone directly. Group members can set personal time zone independently.

Group users' default time zone is set to be the group time zone, while users can set their personal time zone. Each group can set 3 time zones at most, as long as one of them is valid, the group can be verified successfully.

Press [MENU] > [Access] > [A&C Group] > [New Group] to enter [New Group] interface.



As shown in the above figure, the verify type of Access Control Group 1 is PW/RF (password or card), while the time zone is 1 and Holiday is enabled.

4.4 Setting Holiday for Access Control Group

Set Holiday for an Access Control Group

Set Time Zone (including the Time Zone of Holiday and Access Control Group) > set Holiday and Access Control Group > allocate members to the group > enable the Holiday for the Access Control group.

✍Notes:

1. When the Holiday function is enabled, only if the Time Zones of Access Control Group and Holiday overlap can the members unlock the door.
2. When Holiday function is disabled, the door unlocking time of users in an Access Control Group will not be affected.

Example:

If, the default time zone of the Access Control Group 2 is Time Zone 1 (whole-day valid), and it requires to set a Holiday from January 1 to 3 in the New Year holiday, enabling Group 2 members to unlock the door only during 10:00 ~ 17:00.

Operation Method:

1. Time Zone 1 is as default for Access Control Group 2 (whole-day is valid); Set Time Zone 2 to 10:00 ~ 17:00 from Sunday to Saturday. For method of setting Time Zone 2, please refer to the example of setting Time Zone 2 in 4.1 Time Zone Setting.
2. Use Time Zone 2 for Holiday. For method of setting Holiday, please refer to 4.2 Holiday Setting; for how to set the Access Control Group, please refer to 4.3 Access Control Group Setting.
3. Allocate users to Access Control Group 2. For method of member allocation, please refer to 3.2.3 Set Access Control Role.
4. Enable Holiday function?

   Press [MENU] > [Access] > [A&C Group] > Access Control Group 2 > Holiday, press [OK] to enable (ON) the holiday.
5. Setting is completed. Group 2 members can unlock the door from 10:00 to 17:00 during January 1 to 3.

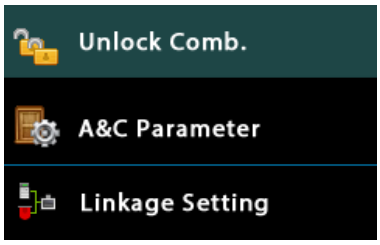
✍Note: If a holiday should be valid for all users, allocate all users to the same group or enable the [Holiday] for all groups.

4.5 Unlock Combination Setting

To combine two or more members to achieve multi-verification and improve security.

An unlock combination is made up of 5 groups at most.

Press [MENU] > [Access] > [Unlock Comb.] > 1 to enter Unlock Combination 1setting interface.



For example:

As the above figure, Unlock Combination 1 is made up of five members coming from five different groups -- Access Control Group 1, 3, 5, 6, 8 respectively.

As the above figure, Unlock Combination 2 is made up of five members coming from three different groups: two members from Access Control Group 2, two from Group 4, and one from group 7.

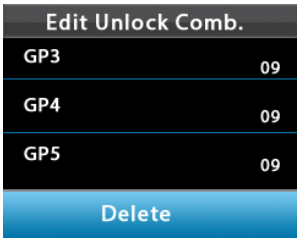
As the above figure, Unlock Combination 3 is made up of five members, and all of them come from Access Control Group 9.

As the above figure, Unlock Combination 4 is made up of five members coming from three different groups -- Access Control Group 3, 5, 8 respectively.

Deleting Unlock Combination

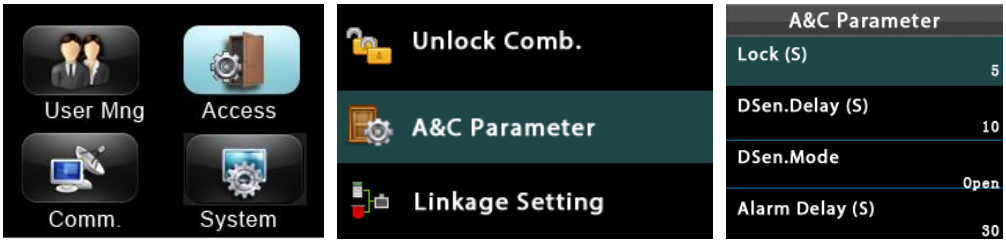
Take deleting Unlock Combination 3 as an example.

Press [MENU] > [Access] > [Unlock Comb.] > 3 to enter Unlock Combination 3 edit interface, press [▼] to select [Delete], and press [OK] to delete Unlock Combination 3.



4.6 Access Control Parameter Setting

Press [MENU] > [Access] > [A&C Parameter] to enter [A&C Parameter] interface.



Lock (s): Lock Driver Time Length. When the electronic lock receives an open signal sent from the device, the lock will open for a period of time. The time period is the Lock Driver Time Length (value ranges from 0 to 1200 seconds).

DSen.Delay (s): Door Sensor Delay. When the door is opened, the door sensor will be checked after a time period; if the state of the door sensor is inconsistent with that of the door sensor mode, alarm will be triggered. The time period is the Door Sensor Delay (value ranges from 0 to 1200 seconds).

DSen.Mode: Door Sensor Mode. It includes No, Normal Open and Normal Close. No means door sensor is not in use; Normal Open means the door is opened when electricity is on; Normal Close means the door is closed when electricity is on.

Alarm Delay (s): When the state of the door sensor is inconsistent with that of the door sensor mode, alarm will be triggered after a time period; this time period is the Door Sensor Alarm (the value ranges from 0 to 1200 seconds).

Alarm Count (times): When the number of failed verification reaches the set value (value ranges from 0 to 9 times), the alarm will be triggered. If the set value is 0, the alarm will not be triggered after failed verification.

NC: Normal Close Time Period. To set time zone for Normal Close, so that no one can unlock the door during this period.

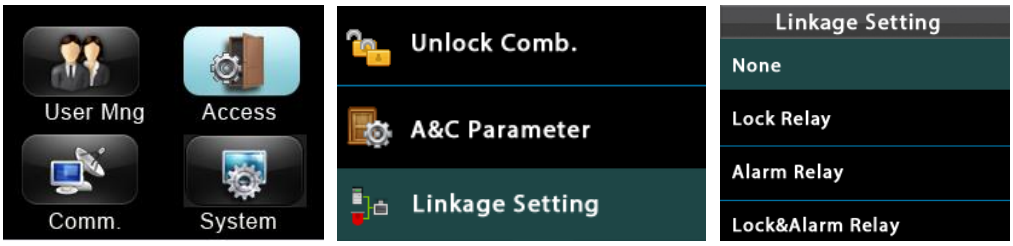
NO: Normal Open Time Period. To set time zone for Normal Open, so that the door is always unlocked during this period.

Valid Holidays: Select [ON] to enable [NC] or [NO] during holidays, or select [OFF] to disable [NC] and [NO] during holidays.

4.7 Linkage Setting

Auxiliary-In function. When receiving linkage signals, the device will perform corresponding operation according to the Linkage Setting.

Press MENU > Access > Linkage Setting > Linkage Setting to enter [Linkage Setting] interface.



Lock Relay: The lock becomes Normal Open after the device receives the linkage signal.

Alarm Relay: The alarm will be triggered after the device receives the linkage signal.

Lock & Alarm Relay: The lock becomes Normal Open and the alarm will be triggered after the device receives the linkage signal.

Cancel Linkage

After the device receives Auxiliary-In signal, linkage will be triggered, and the "Linkage Function is Enabled" message will be displayed on the interface.

Press [MENU] to enter the main menu interface, and then the "Cancel linkage?" message will be displayed. Press [OK] to confirm it.

Notes:

1) Conditions of linkage cancellation

- The device is fixed to the back plate.
- The Door Sensor is reset.

Otherwise the linkage cannot be canceled.

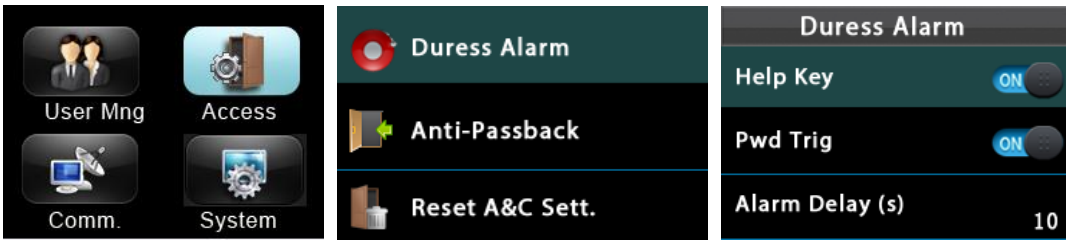
2) When NO/NC is enabled, there are two conditions when the linkage is cancelling.

- When Normal Open is enabled and the linkage is canceled, during the NO Time Zone, the door will stay Normal Open and the alarm will be canceled; while it is out of the NO Time Zone, the door will be closed and the alarm will be canceled.
- When Normal Close is enabled and the linkage is canceled, the door will be closed and the alarm will be canceled.

4.8 Duress Alarm Parameter

When users come across duress, select duress alarm mode, the device will then open the door as usual and sent the alarm signal to the backstage alarm.

Press MENU > Access > Duress Alarm to enter [Duress Alarm] interface.



✍Note: As shown in above figure, the two modes of Duress Alarm -- Help Key and Pwd Trig -- are enabled.

Help Key: If the [Help Key] is [ON], long press [▼] (about three seconds), and then input User ID and password when hearing a beep, the duress alarm will then be triggered after successful verification. When the [Help Key] is [OFF], long press [▼] will be invalid.

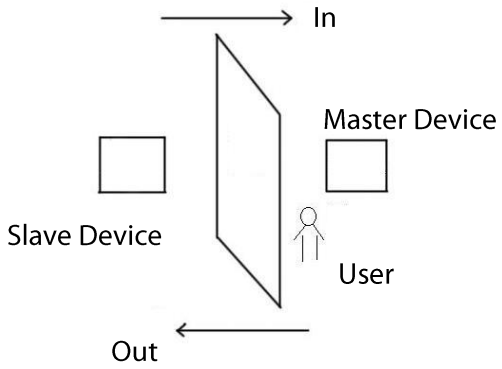
Pwd Trig: Password Trigger, when [Pwd Trig] is [ON], the device will send out alarm signal after successful password verification; when the [Pwd Trig] is [OFF], no alarm signal will be sent out.

Alarm Delay (s): When Duress Alarm is triggered, the device will send out alarm signal after 10 seconds (default); the alarm delay time can be changed (value ranges from 0 seconds to 255 seconds).

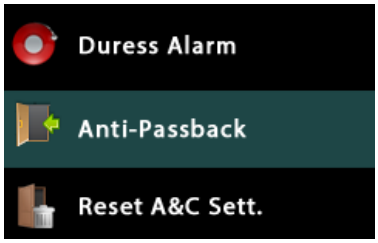
4.9 Anti-passback Setting ★

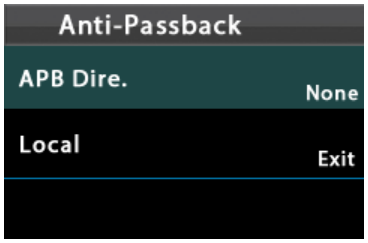
To avoid some persons following users to enter the door without verification, resulting in security problem, users can enable Anti-passback function. The check-in record must match with check- out record so as to open the door.

This function requires two devices to work together: one is installed inside the door (master device), the other one is installed outside the door (slave device). The two devices communicate via Wiegand signal. The Wiegand format and Output content (User ID/Card No.) adopted by the master device and slave device must be consistent.



Press MENU > Access > Anti-passback to enter [Anti-passback] interface.





Anti-passback Direction

None: The Anti-passback function is disabled, which means passing verification of either master device or slave device can unlock the door. Records are reserved.

APB-Out: Anti-passback Out. After a user checks out, only if the last record is a check-in record can the user check out again; otherwise, the alarm will be triggered. However, the user can check in freely.

APB-In: Anti-passback In. After a user checks in, only if the last record is a check-out record can the user check in again; otherwise, the alarm will be triggered. However, the user can check out freely.

APB-Out/In: Anti-passback Out/In. After a user checks in/out, only if the last record is a check-out record can the user check in again, or a check-in record can the user check out again; otherwise, the

alarm will be triggered.

None & Save: The Anti-passback function is disabled, which means passing verification of either master device or slave device can unlock the door. Records are reserved.

Local

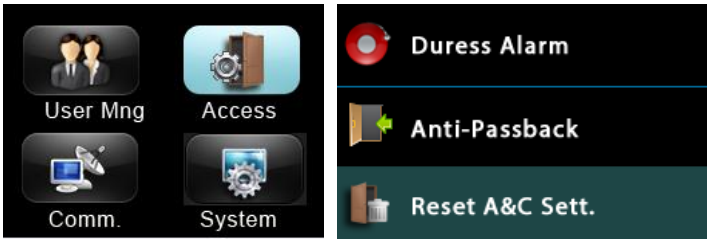
No: To disable the Anti-passback function.

Exit: All records on the device are check-out records.

Enter: All records on the device are check-in records.

4.10 Resetting Access Control Setting

Press MENU > Access > Reset A&C Sett. , and then select [OK] to reset access control setting.

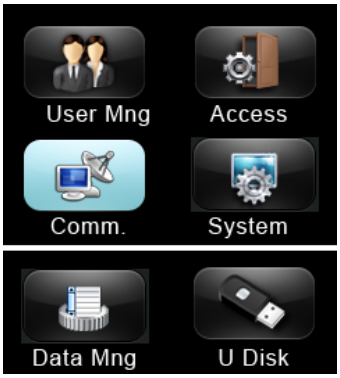


To reset Access Control Setting including clearing Added Time Zone, Holiday, Access Control Group and Unlock Combination, as well as resetting the Access Control parameters to the default values as shown in the table below:

Parameter		Factory Default
Access Control	Lock	5 seconds
	DSen. Delay	10 seconds
	DSen. Mode	Open
	Alarm Delay	30 seconds
	Alarm Count	0 time
	NC	0 (means no Normal Close)
	NO	0 (means no Normal Open)
	Valid Holidays	ON
Linkage Setting		None
Duress Alarm	Help Key	OFF
	Pwd Trig	OFF
	Alarm Delay	10 seconds
Anti-passback		None

5 Communication Setting

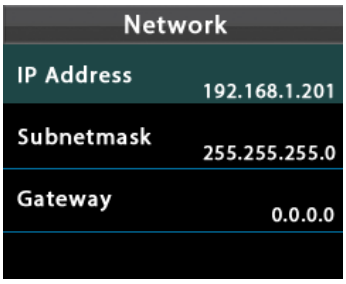
Press [MENU] > [Comm.] to enter [Comm.] interface.



Communication setting includes Network, RS485, Connection Password and Wiegand setting.

5.1 Network Setting

Press [MENU] > [Comm.] > [Network] to enter [Network] interface.



The following are the default values, please modify them according to the actual network.

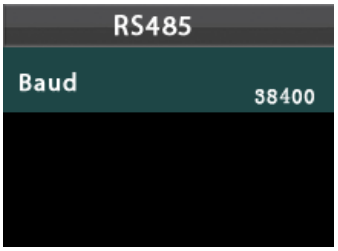
IP Address: 192.168.1.201

Subnet Mask: 255.255.255.0

Gateway: 0.0.0.0

5.2 Serial Port Setting

Press [MENU] > [Comm.] > [RS485] to enter [RS485] interface.



Baud Rate: It is used for communicating with PC. There are four default options: 19200, 38400, 57600 and 115200.

The higher is the baud rate, the higher is the communication speed, but also the less reliable. In general, a higher baud rate can be used when the communication distance is short; when the communication distance is long, choosing a lower baud rate would be more reliable.

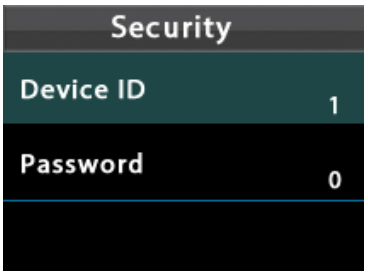
Print Function ★: Some devices have the Print Function. When the Print Function is enabled, the baud rate 9600 will be shown on the interface, and the RS232 will also use the baud rate 9600.

5.3 Connection Password Setting

To improve the security of data, connection password needs to be set.

If the password is not 0 in the device, the connection password must be input while PC software is connected to the device, so that communication can function normally.

Press [MENU] > [Comm.] > [Security] to enter [Security] interface.



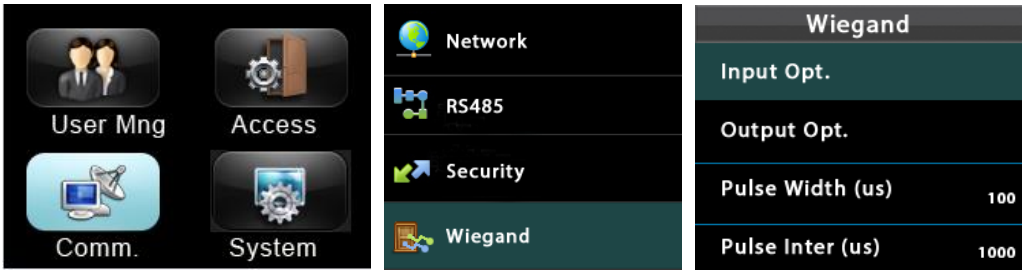
The following are default values, please modify them as required.

Device ID: 1 as default. The value ranges from 1 to 254.

Password: The connection password between device and software. 0 as default, namely the password is empty.

5.4 Wiegand Setting

Press [MENU] > [Comm.] > [Wiegand] to enter [Wiegand] interface.



Input Option ★

Format: There are four formats: 26 Bits with Device ID, 26 Bits without Device ID, 34 Bits with Device ID, 34 Bits without Device ID.

Input: ID No. or Card No.

Output Option

Format: There are five formats: 26 Bits with Device ID, 26 Bits without Device ID, 34 Bits with Device ID, 34 Bits without Device ID, SRB.

✍Note: For the method of using SRB, please refer to ***SRB Simple Access Controller Connection Guide***.

Faild ID: It is defined as the output value of failed user verification. The output format is determined by the setting of **Wiegand Format**. The value ranges from 0 to 65535.

Site Code: Similar to Device ID. But the code is specified by user, but the code can be specified by user. Different devices can have the same site code. (The value ranges from 0 to 999999999)

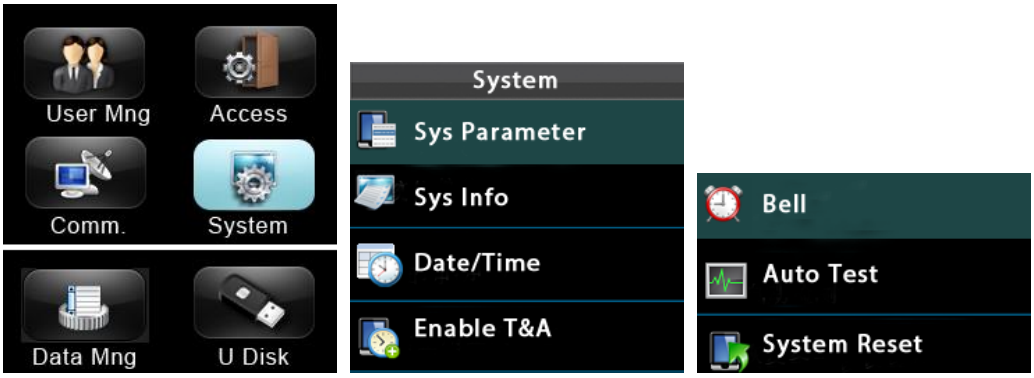
Output: Output content after successful verification. User ID or card number can be chosen.

Pulse Width: The width of pulse sent by Wiegand. The default value is 100 microseconds, which can be adjusted within the range of 20 to 800 microseconds.

Pulse Interval: The default value is 1000 microseconds, which can be adjusted within the range of 200 to 20000 microseconds.

6 System Setting

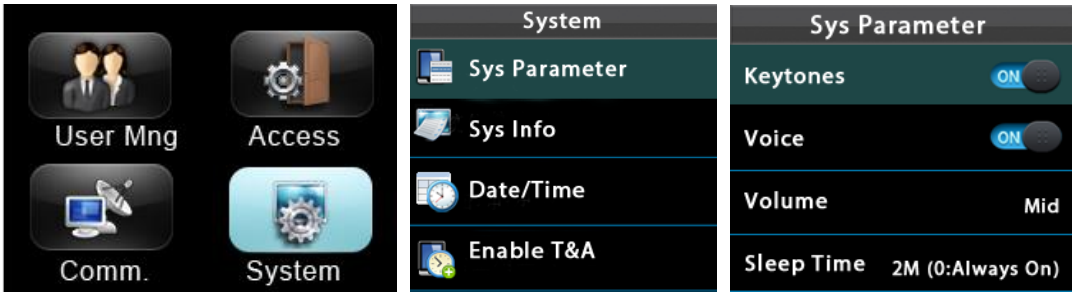
Press [MENU] > [System] to enter [System] interface.



System setting includes System Parameter, System Information, Date/Time, Enable T&A, Bell, Auto-Test and Reset System.

6.1 System Parameter

Press [MENU] > [System] > [System Parameter] to enter [System Parameter] interface.



6.1.1 Turning on/off Keyboard Clicks

Press [MENU] > [System] > [System Parameter] > [Key Tones], press [OK] to turn on/off Keyboard Clicks.

6.1.2 Turning on/off Voice Prompts

Press [MENU] > [System] > [System Parameter] > [Voice], press [OK] to turn on/off the voice prompts.

6.1.3 Adjusting Volume

Including low voice prompts, middle voice prompts and high voice prompts.

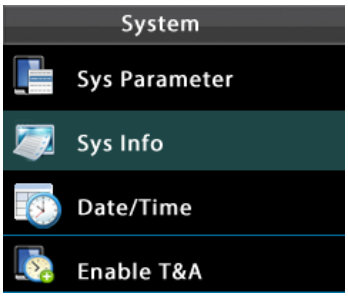
6.1.4 Setting Sleeping Time

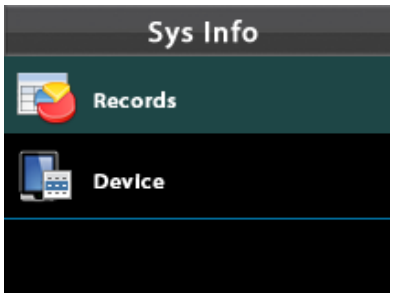
When the device is not operated, it will enter sleeping state after a set sleeping time. Press any key to end sleeping state.

The value ranges from 0 minute to 999 minutes, 0 means the device will not enter sleeping state.

6.2 System Information

Press [MENU] > [System] > [Sys Info] to enter [Sys Info] interface.



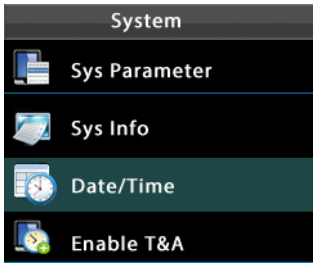


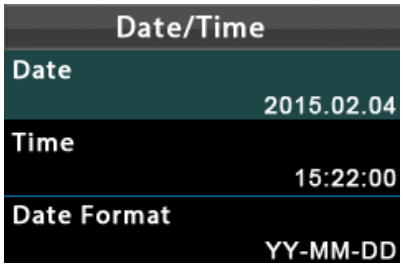
Records: The number of registered users, passwords, administrators, verification records, users and logs are displayed on the interface.

Device Information: Device name, vendor, firmware version, serial number, MAC address and manufacturer date are displayed on the device interface.

6.3 Date/Time

Press [MENU] > [System] > [Date/Time] to enter [Date/Time] interface.





Set the date and time for the device.

Time format: Including YY-MM-DD, YY/MM/DD, YY.MM.DD, MM-DD-YY, MM/DD/YY, MM.DD.YY,

DD-MM-YY, DD/MM/YY, DD.MM.YY, YYYYMMDD and DD-MM-YYYY.

✍ Note: Date, Time and Date Format will not be reset when the system is reset to default setting.

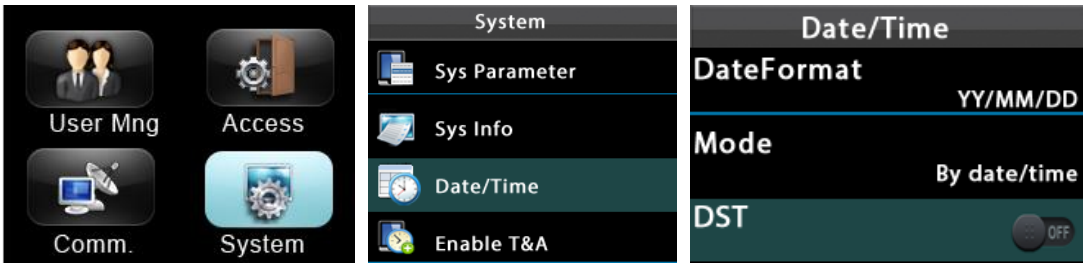
For example, when the date of device is set to 20/01/01 with the format of YY/MM/DD, after the device is reset, the date will stay 20/01/01, with the format of YY/MM/DD.

6.4 Daylight Saving Time

DST, which is also called Daylight Saving Time, is a system adjusting local time in order to save energy. The time adopted during the set dates is called "DST". Usually, the time will be one hour forward in summer. This enables users to sleep or get up earlier, and also reduce device's lighting to save power. In autumn, the time will resume the standard time. Regulations are different in different countries. At present, nearly 110 countries adopt DST.

To meet the demand of DST, a special option can be customized. Make the time one hour forward at XX (hour) XX (day) XX (month), and make the time one hour backward at XX (hour) XX (day) XX (month) if necessary.

Press [MENU] > [System] > [Date/Time] > [DST] to enable Daylight Saving Time.



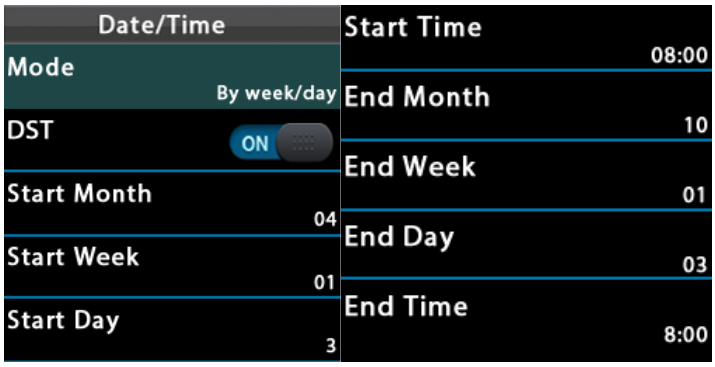
Mode: Daylight Saving Time Mode, by date/time mode or by week/day mode.

DST: Select [ON] to enable the Daylight Saving Time function, and select [OFF] to disable Daylight Saving Time function.

How to set the Daylight Saving Time?

For example, adjust the clock one hour forward at 08: 00 on April 1 and one hour backward at 08: 00 on October 1 (the system will turn back to the original time).

By date/time mode



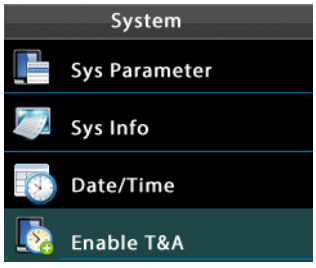
By week/day mode.

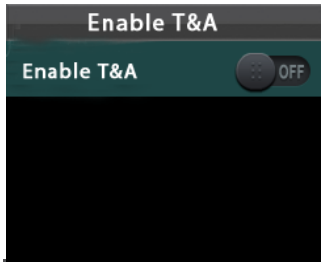
✍Notes:

1. If the DST Date is later than the Standard Date within a year. For example, adjust the clock to one hour forward at 08:00 on September 1 and one hour backward at 08:00 on April 1, the system will then turn back to the original time in the following year.
2. In week/day mode, if the DST Date is the sixth Sunday of September, which exists in 2012 but not in 2013, and then the system will enter DST on the last Sunday (fifth week) in September.
3. If the DST Date is set to the first Monday of September, which happens in the second week in 2012, the system will then use the first Monday in the second week of September as the DST Date.

6.5 Enabling Time & Attendance

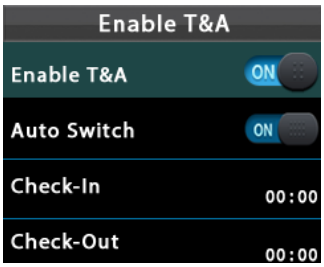
Press [MENU] > [System] > [Enable T&A] to enter [Enable T&A] interface.





Press [OK] to enable Time and Attendance, various Time and Attendance states will be shown.

Auto-Switch can also be set to change the state of Time and Attendance regularly, as shown in the following figure:



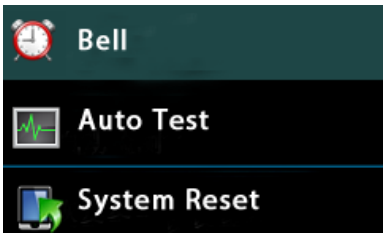
There are six states of Time and Attendance: check-in, check-out, break-out, break-in, overtime-in and overtime -out.

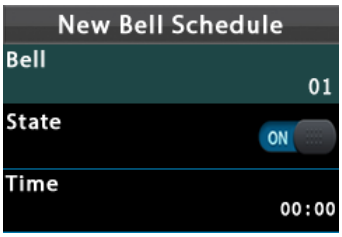
When [Auto Switch] is [OFF], press up key [▲] and down key [▼] to change the state of Time and Attendance; when [Auto Switch] is [ON], the state of Time and Attendance will restore the set state even after the state is changed manually.

6.6 Bell

Many companies choose to use bell to signify on-duty and off-duty time. When reaching the scheduled time for bell, the device will play the selected ringtone automatically until the ringing duration is passed.

Press [MENU] > [System] > [Bell] to enter [Bel] interface.





State: ON is to enable the bell, while OFF is to disable it.

Time: The bell rings automatically when reaching the specified time.

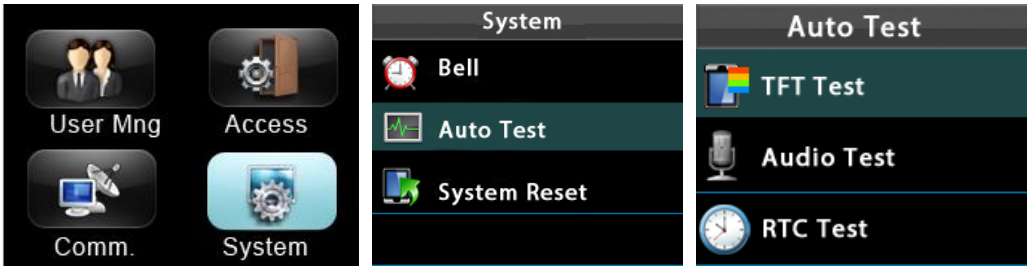
Music: Ringtone played.

Volume: Including low, middle and high voice prompts.

Times: The default times is 10 times, the value ranges from 1 to 255 times.

6.7 Auto-Test

Press [MENU] > [System] > [Auto Test] to enter [Auto Test] interface.



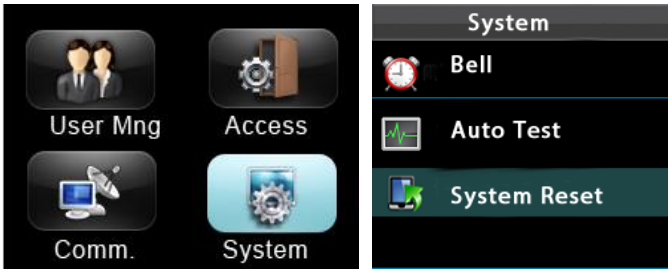
TFT Test: Press [OK] to test the display effect of TFT screen by displaying full color, pure white, and pure black to check whether the screen displays colours. Press [OK] to continue or press [ESC] to exit the test.

Audio Test: The device automatically tests whether the voice files stored in the device are complete and the voice quality is good. Press [OK] to continue or press [ESC] to exit the test.

RTC Test: To test the Real-Time Clock. The device tests whether the clock works properly and accurately by checking the stopwatch. Press [OK] to continue or press [ESC] to exit the test.

6.8 Resetting System

Press [MENU] > [System] > [System Reset] > [OK] to reset the device.



Resetting System includes Access Control Parameter, Linkage Setting, Duress Alarm, Anti-passback, Communication, System Parameter and so on.

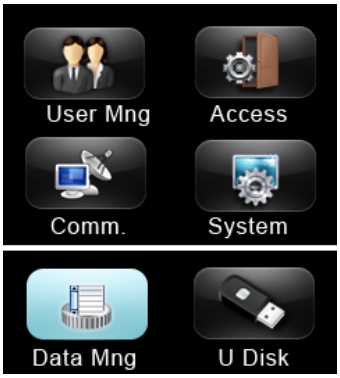
Parameters	Factory Default
Access Control Parameter	Lock (Lock Driver Time Length): 5 seconds Door Sensor Delay: 10 seconds Door Sensor Mode: Open Alarm Delay: 30 seconds Alarm Count: 0 time NC (Normal Close Time Zone): 0 NO (Normal Open Time Zone): 0 Valid Holidays: ON
Linkage Setting	None
Duress Alarm	Help Key: OFF Pwd Trig (Password Trigger): OFF Alarm Delay: 10 seconds
Anti-passback	None
Communication	IP Address: 192.168.1.201

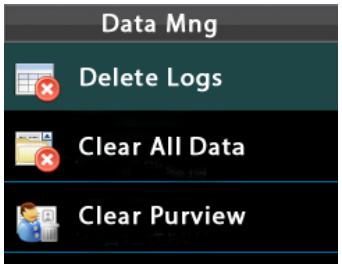
	Subnet Mask: 255.255.255.0 Gateway: 0.0.0.0
Baud Rate	38400
Security	Device ID: 1 Password: 0
Wiegand	Input Format: 26 Bits Without Device ID Input Content: ID No. Output Format: 26 Bits Without Device ID Output Failed ID: OFF Site Code: OFF Output Content: ID No. Pulse Width: 100 microseconds Pulse Interval: 1000 microseconds
Keytones	ON
Voice	ON
Volume	High
Enable Time and Attendance	OFF

7 Data Management

To manage data in the device, which includes Deleting Logs, Clearing All Data and Clearing Admin. Permissions.

Press [MENU] > [Data Mng] to enter [Data Mng] interface.





Delete Logs: To delete all attendance logs in the device.

Clear All Data: To delete all user information, logs, Time Zone, Holiday, Access Control Group and Unlock Combination.

Clear Purview: To make all admins become ordinary users.

8 U Disk Management ★

To upload or download data between device and the corresponding software by U disk.

Before uploading/downloading data from/to the U disk, insert the U disk into the USB slot first.

Download Attlog: To download all attendance logs to U disk.

Download User: To download all the user information to U disk.

Upload User: To upload all the user information from U disk.

Update: To download update files to U disk, insert U disk to USB slot, and then update firmware of the device.

9 Other Functions

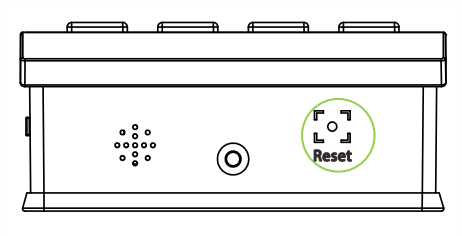
9.1 Reset Button

To restart the device by the Reset Button when the device cannot operate normally.

1. Find a tool with a tip's diameter less than 2mm.

2. Find the hole with a mark "Reset" on the bottom of the device, as shown in the figure below.

3. Insert the tool into the hole, take out the tool when the device is shut down, and then the device will be reset.



9.2 Tamper Alarm Button

Tamper Alarm Button is located at the back of the device (near the Wiring Terminal). As the button is pressed by the back plate when the device is installed properly, if the device is dismantled from the back plate, the Tamper Alarm will be triggered.

Canceling Alarm

Install the device properly, press [MENU] to enter main menu interface, and “Close Alarm?” will be shown on the interface. Press [OK] to close the alarm.

10 Troubleshooting

Troubles	Troubleshooting
The power indicator is off.	**Possible Cause:** 1. There is no electricity. 2. The voltage is low. **Troubleshooting:** 1. Make sure the power wiring connects the power and device well. 2. Measure the voltage, ensuring the voltage is 12VDC.
The communication between device and PC fails	**Possible Cause:** Something wrong with the wiring. **Troubleshooting:** Check if RS232, RS485 or TCP/IP wiring is connected properly, check the connection password.
Time is reset to zero when the device is restarted after power off for a while.	**Possible Cause:** Something wrong with the clock battery. **Troubleshooting:** Contact your supplier to change the clock battery.
There is no keyboard clicks	**Possible Cause:** 1. Something wrong with the speaker or the wiring. 2. The [Key Tones] is OFF (System > System Parameter > Key Tones). **Troubleshooting:** 1. Change the speaker. 2. Press [MENU] > [System] > [System Parameter] > [Key Tones], and then press [OK] to turn on the Keyboard Clicks.

FCC Regulatory Compliance

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name: Smart Access Control Terminal**,** Model No.: SC405

Responsible Party – U.S. Contact Information

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