



ATTENDANCE ACCESS SYSTEM MANUAL

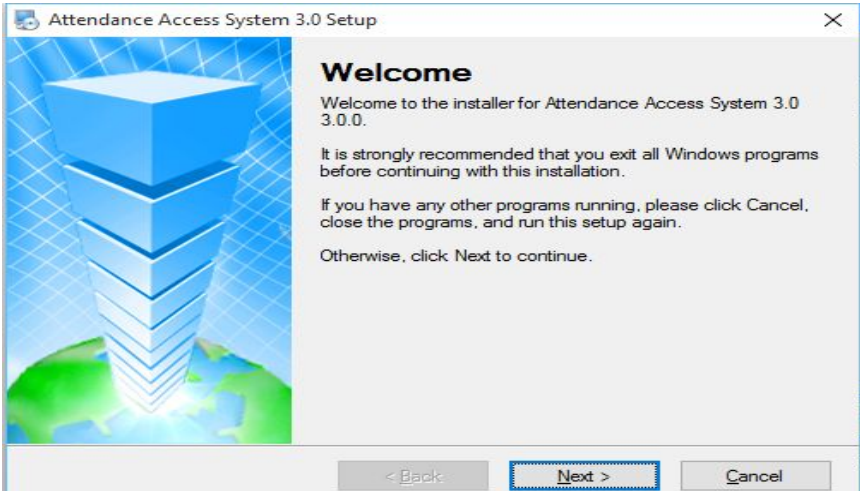
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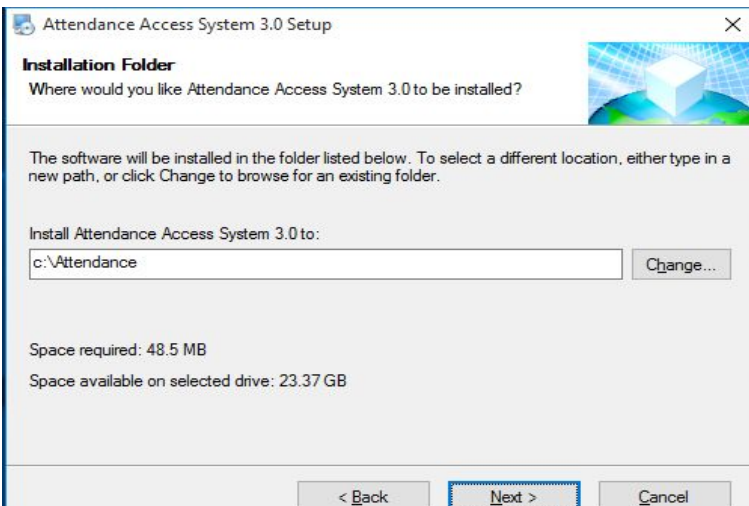
Chapter 1 Software Setup

1.AAS installation

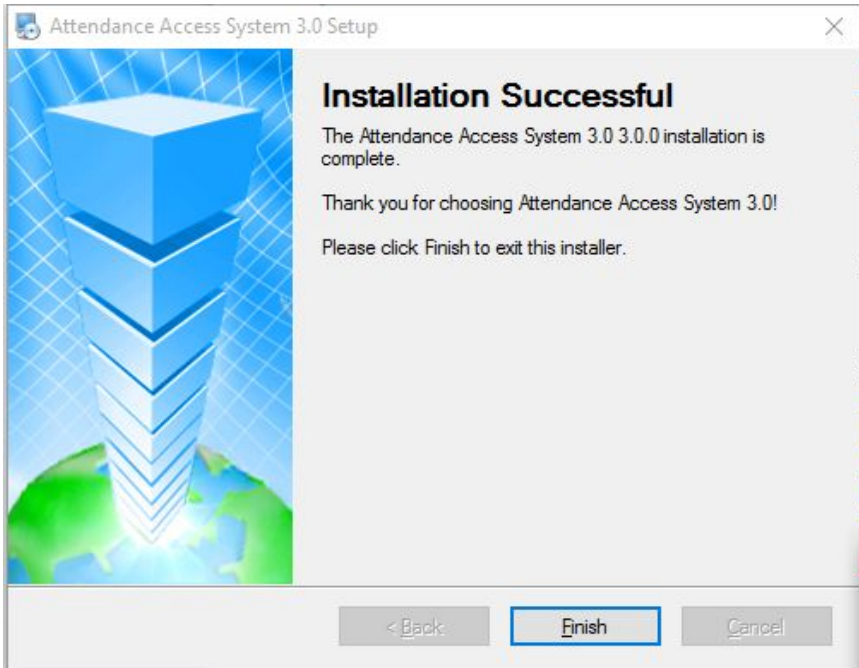
1. Click on the .exe installation file to begin



2. Click “Next”to continue, “Cancel”to exit setup.



3. The default setup directory is C:\Attendance, you may change to another directory by clicking “Change”. Click “Next” to continue.



4. Click “Finish” to complete the installation, and create shortcuts on Desktop and startup menu.

Open the program by clicking the desktop shortcut



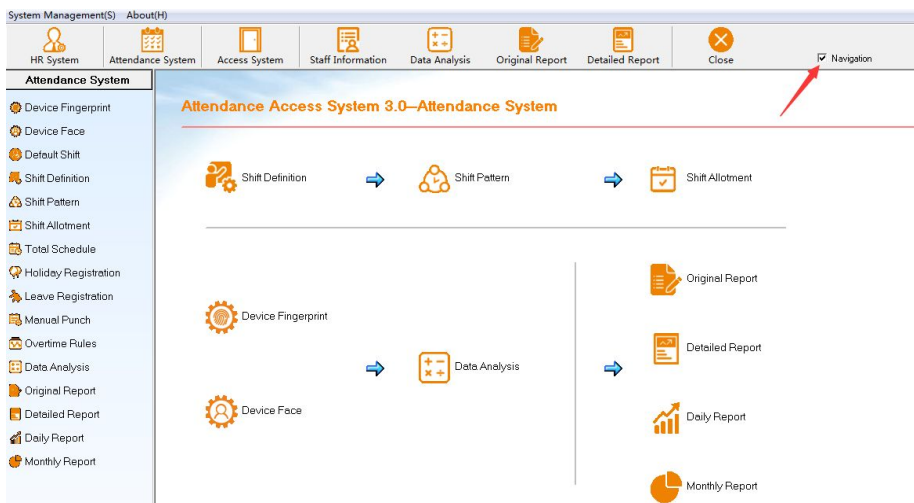
This brings up the Login Prompt.



For first time login, User name field is admin, password is empty.

Then enter the main page, select Navigation to show operation guide.

Otherwise, it is blank.



Chapter 2 Operation Flow

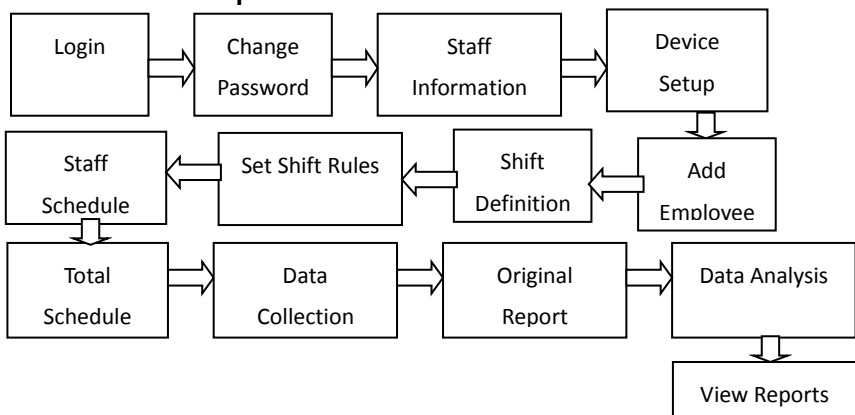
For fingerprint terminals, you should first register users and fingerprint on the device. During registration, keep note of the user ID and the corresponding employee's name to fill out the rest on the software. For card reader only models, the proximity card's number can be manually entered within the software (or download from terminals after registration)

2.1 Modules

Our software comes with 4 modules: **【HR System】**、**【Attendance System】**、**【Access System】**、**【System Management】**

- 1、**【HR System】** Here you may find company information, department, and view/edit staff information
- 2、**【Attendance System】** Manage the shift, define shift patterns, holidays and assign shifts to the registered staffs. Here, you may generate reports monthly, daily reports that could be printed/exported.
- 3、**【Access System】** Access System includes time zone, lock combination, rights allotment, device management, real-time monitoring, rights report, access details, button event report and alarm event report.
- 4、**【System Management】** Change password、User Management、System Initialization、Duplicated original date processing、Compact Database、Backup Database、Restore Database、Clear System

2.2 Software Setup Flow



2.2 Software Initial Setup

For fingerprint terminals, you should first register users and fingerprint on the device. During registration, keep note of the user ID and the corresponding employee's name to fill out the rest on the software.

2.3.1 Set up Administrator

It is highly recommended that you begin with changing the password (For first login, administrator password is admin, password field is empty), If the intended use involves multiple users, we recommend creating accounts for each of the users and customize their respective permission within the system.

2.3.2 Create personnel files

- A. Set the company information, note that the **company** name is the head office of the whole system;
- B. Department information: the department is classification of employees. If there are multiple work schedules within a department, it may be helpful to create sub-departments.
- C. Staff information: Here you will find general personnel information here. The required fields are Staff No, Staff Name, **Register No. (Fingerprint Register No.)**, Join Date, and Department.

Important Notice:

【Registration No.】 within the 【Staff Information】 menu must match the ones on the fingerprint attendance terminal.

【Staff No.】 field must contain only numerical characters to function correctly.

【Join Date】: The attendance will only keep track of staff starting on the Join Date.

2.3.3 Pulling fingerprint records and Registering staff name to terminal

For the fingerprint terminal, every user must consist of a UserID its corresponding fingerprint template.

The stored fingerprint templates can be pulled from “Device Management” on our Desktop Software. This will create a copy of the database for backup purposes as well as enabling mass deployment of the user list to multiple terminals within the vicinity.

Connect to the terminal through **【Device management】**:

- A. You may view device information of the terminal such as number of users, remaining fingerprint capacity, and also set certain parameters.
- B. Download fingerprint information from the terminal to the software;
- C. Upload Staff Name to the fingerprint terminal. (Prerequisite of existing fingerprint records and Staff Names on the AAS)

Important Notice:

For select models that connects to the computers via RS232, the baud rates of the software AND the terminal must be adjusted to match for proper operations. The default baud rate is 38400 bps for most models and can be changed in the “RS232/RS485 download” sub-menu on the terminal.

Important Notice:

If you wish to download through USB cable, you may have to install the driver which can be found on the CD within the “driver” folder. Once you have located the file, double click it to run.

Important Notice:

For download through TCP/IP, the IP address of the terminal and software must match.

* Any of the above communications can function properly only if the parameters on device and software match

2.3.4 Shift Definition

For the software, “Shift” refers to the set of rules for time intervals during which the staff is expected to be present. You may set the arrival time, departure time, late in, early out, definition of absence, definition of overtime, and so on.

Consolidate all the possible work shifts for a day, then create your shifts such as day shift, nightshift, long day shift, etc.

2.3.5 Shift Pattern

This section allows you group a pattern of work shifts (using the shifts defines in “Shift Definition” over a certain amount of period whether it is by day(s), week(s), or month.

Fields set within Shift Pattern, and Shift Definition is the basis of the data analysis function.

A. Shift Rules:

Select the proper Period Type according to the pattern’s cycle. For example, one of the most common shift pattern is the weekly Monday to Friday work week (see figure below). And for another instance, joe an external contractor who was hired to perform installations on a new worksite for 3 days, the “Daily” period type might be helpful with the Schedule Period set as 3.

Add(N)...	Modify(U)...	Delete(D)...	Save(S)...	Cancel(C)...	Exit(E)...
No. 1	Name Normal Group	Period Type weekly	Remark		
Schedule Period					
1	- weekly				
Monday	Normal	Shift			
Tuesday	Normal				
Wednesday	Normal				
Thursday	Normal				
Friday	Normal				
Saturday	Rest				
Sunday	Rest				
No.	Name	Period Type	Remark		
1	Normal Group	weekly			

B. Shift Allotment:

Shift Allotment is where you would officially assign a shift pattern to a staff. Be sure to assign the starting and ending date.

C. Total Schedule

If everything is set up correctly, you may do a final check of staff's assigned schedule in a monthly view.

Month of Sch: 2017-07	Month: 2017-7	Staff No.: 00000001	Name: 1				
Company	Shift Schedule						
	Sun	Mon	Tue	We	Thu	Frid	Sat
							1 Rest
	2	3	4	5	6	7	8
Rest	Normal	Normal	Normal	Normal	Normal	Normal	Rest
	9	10	11	12	13	14	15
Rest	Normal	Normal	Normal	Normal	Normal	Normal	Rest
	16	17	18	19	20	21	22
Rest	Normal	Normal	Normal	Normal	Normal	Normal	Rest
	23	24	25	26	27	28	29
Rest	Normal	Normal	Normal	Normal	Normal	Normal	Rest
	30	31					
Rest	Normal						

2.3.6 Device Management

After downloading the fingerprint templates from the terminal into AAS and uploading the staff names to the terminals, employees may begin to clock in. The AAS administrator is responsible for downloading the data from the terminal to the AAS, then perform the built-in data analysis. To download logs into the AAS, go to “Device management”. Look for

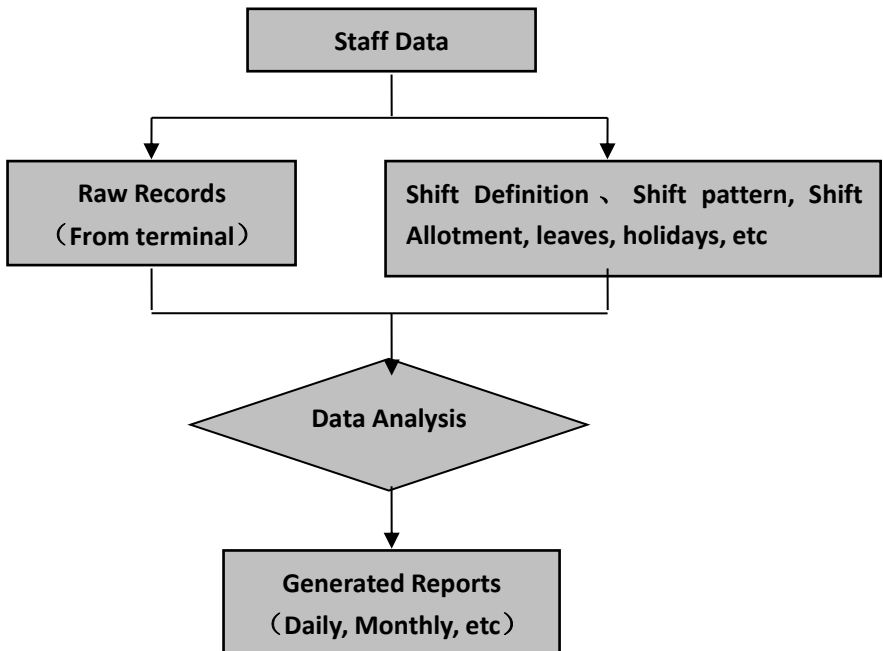
the option button in the bottom right corner to select between “All Record” or “New Record”, then click on the “Download Record”.

The “New Record” option downloads only new records since last download. “All Record” option will download all records on the terminal and may create duplicate logs.

2.3.7 Data Analysis

The process flow of the attendance is to collect time logs of staff’s time in and time out compared against the shifts assigned through the software.

Below is the logic flow chart of the attendance system



2.3.8 View Reports

After data analysis, you may view reports.

Chapter 3 HR System

3.1 Company

Click **【Company】** to edit the fields (see figure below) :

The screenshot shows a dialog box titled "Company". At the top, there are four buttons: "Modify(U)...", "Save(S)...", "Cancel(C)...", and "Exit(E)...". Below the buttons are several input fields: "Company name:" with the text "Company", "Address:", "Telephone:", "Fax No:", and "Manager:". To the right of the "Company log:" label is a pie chart with five segments in different colors (green, yellow, purple, red, blue). Below the pie chart is a tip: "Tip: Click to select the image".

Begin by clicking **【Modify】**, Enter the company name (Mandatory field, you may use abbreviations), address, phone number, etc. Click **【Save】** to finish.

3.2 Department

Click **【Department】**, then **【Add】** or **【Modify】**.

The screenshot shows a dialog box titled "Department". At the top, there are seven buttons: "Add(N)...", "Modify(U)...", "Delete(D)...", "Save(S)...", "Cancel(C)...", "Print(P)...", and "Exit(E)...". Below the buttons are input fields: "Dept No.:" with "00000001", "Superior Dept:" with a dropdown menu, "Dept Name:" with "Company", and "Manager:". Below the fields is a tip: "Tip: Where the node is parked, the lower department of the department is added:". At the bottom is a table with the following data:

No.	Dept No.	Dept Name	Superior Dept	Manager
1	00000001	Company		
2	00000002	Sales	Company	

Company is the superior department of the main (first tier) departments within the organization structure. Furthermore, new departments can be

created as a sub-departments by choosing the proper Superior Department in the dropdown menu.

There is no limit on the tiers within the organization structure. However for simplicity and convenience, we recommend no more than 4 tiers of sub-departments .

Steps

1) Add Department

Click the **【Add】** button, and enter department number, department name, superior department, and the manager. Click **【Save】** to finish.

Note: Superior Dept. is a mandatory field. With the exception of the headquarters, every departments and sub-departments must have a superior department.

2) Modify Department

Click the **【Modify】** button to edit the fields, then click **【Save】** to finish.

3) Delete Department

Click **【Delete】** to remove a previously registered department. However if an employee is assigned to a department, it cannot be removed

4) Print

Click **【Print】** to print out a list of the departments.

5) Exit

Click the **【Exit】** button to return to the HR System main menu.

3.3 Staff Information

Click **【Staff Information】** to begin editing staff information.

Staff Code	User ID	Name	Department	Position	Card No	Password	Join Date	Gender	Mark
00000001	000000001	1	Company				12/05/2018	Male	Und

This module is responsible for keeping your staff's information on file.

3.3.1 Add Staff Information

Click the **【Add】** button to bring out the editing window.

The screenshot shows a window titled "Staff Information" with a menu bar containing "Save(S)...", "Continue", and "Exit(E)...". The window is divided into two tabs: "Basic Information" and "Detailed Information". The "Basic Information" tab is active and contains the following fields:

- Staff Code:
- User ID:
- First name: (with a "Get FP" button to its right)
- Name:
- Card No:
- Password:
- Department: (with "00000001" displayed below it)
- Position:
- Gender: (dropdown menu)
- Marital Status: (dropdown menu)
- Birth Date: (dropdown menu)
- Join Date: (dropdown menu)

At the bottom right of the form, there are two buttons: "Add Photos" and "Delete Photos".

To ensure proper operation, the Staff Code, User ID, Name, Dept, and Join Date fields must be filled in. Click **【Save】** to finish.

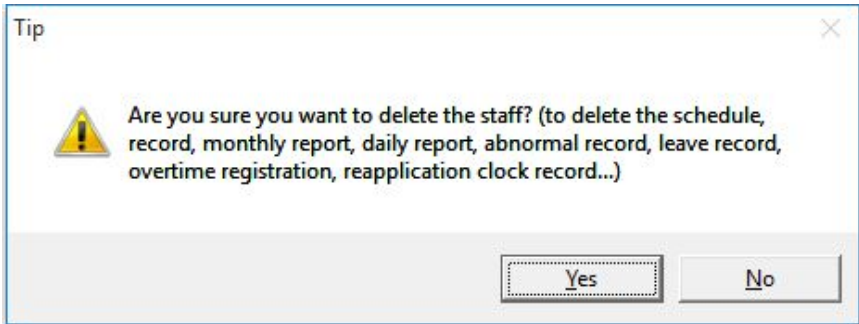
【Staff Code】: This is the number assigned to a staff within the AAS, not the attendance terminal.

Note: All data on the AAS are indexed by this number, altering the staff number afterwards will disassociate the collected data from the intended staff if not handled properly.

【User ID】: The User ID set on the attendance terminal. They must match for normal operation.

【Join Date】: The AAS only process data starting from the Start Date, so for certain scenarios, you might want to intentionally adjust the Start Date.

【Leave Date】: This field is more key for access control purposes. On the leave date, this employee loses permission to unlock doors.



The prompt (above) is a reminder that deleting staff will also delete their data.

3.3.4 Print Staff Information

Click to highlight the staff or select multiple staffs, then click **【Print】**. A print preview window will pop up. Click the printer icon to print.

Staff Personal Information

Date: 2013-06-04

Staff Code	00000001	Name	Sophie	User ID	0000000001
Department	Company	Identity Card		Card No	
Staff Type		Join Date	2001-01-01	Gender	Female
Title		Nationality		Position	
Residence		Birth Date		Political	
Staff Type		Telephone		Education	
Graduate		Marital Status	Unmarried	Postal Code	
Email					
Address					
School			Profession		
Remark					

3.4 Parameter Settings

This section allows you to add new categories as well as create preset items for fields such as Education, Position, Title, etc, so that they could be selected from a dropdown menu when inputting detailed staff information.

Staff Type	Education	Nationality	Residence	Position	Title	Political Status
No.	002		Name	Part-time		
No.	No.	Name				
1	001	Official				
2	002	Part-time				

Steps

1) Add Parameter Setting

Click the proper tab to begin, click **【Add】** to create a new preset item. For instance, under “Education”, you could add “Bachelor’s Degree”. When you’re done, click **【Save】** to finish.

2) Modify Parameter Setting

Click to highlight the proper row to begin, click **【Modify】**, make changes in the “Name field”. Click **【Save】** to finish.

3) Delete Parameter Setting

Click on the list to highlight the item you wish to delete, then click **【Delete】**. When the prompt appears, click **【Yes】** or press ENTER to complete the operation.

Chapter 4. Attendance System

4.1 Default Shift

Below is the pre-existing default shift that exists in the system.

Exit(E)

No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	90	08:00	<input type="checkbox"/> Not Need Swipe	0	60	60	0	12:00	<input type="checkbox"/> Not Need Swipe	60	Normal
2	59	14:00	<input type="checkbox"/> Not Need Swipe	0	60	60	0	18:00	<input type="checkbox"/> Not Need Swipe	210	Normal
3		:	<input type="checkbox"/> Not Need Swipe					:	<input type="checkbox"/> Not Need Swipe		

Late in/Early out more than: minutes deduct working hours

The shift cross day from times, the punch time is for next day

Regular Hours Overtime Hours

Early in minutes, calculated in overtime

Late out minutes, calculated in overtime

Confirm(Q) Cancel(C)

Second: Workday Setting

Set Workday

Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday
 Sunday

Saturday

Morning work, afternoon off
 Work all day

Sunday

Morning work, afternoon off
 Work all day

Confirm(Q) Cancel(C)

Third: Default Shift Details

Default Shift Details

The default value will be setted for staff who are not arranged

4.2 Shift Definition

Within **Attendance System** click **Shift Definition** in the main menu or on the side bar.

Add(N)...
Modify(U)...
Delete(D)...
Save(S)...
Cancel(C)...
Exit(E)...

Shift No. Shift Name Shift Detail

No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	90	08:00	<input type="checkbox"/> Not Need Swipe	0	30	30	0	12:00	<input type="checkbox"/> Not Need Swipe	60	Normal
2	59	14:00	<input type="checkbox"/> Not Need Swipe	0	30	30	0	18:00	<input type="checkbox"/> Not Need Swipe	210	Normal
3		:	<input type="checkbox"/> Not Need Swipe					:	<input type="checkbox"/> Not Need Swipe		

Late in/Early out more than: minutes deduct working hours

The shift cross day from times, the punch time is for next day

Regular Hours Overtime Hours

Early in minutes, calculated in overtime

Late out minutes, calculated in overtime

Shift No.	Shift Name	Period 1 on work	Period 1 off work	Period 2 on work	Period 2 off work	Period 3 on work	Period 3 off work
1	Normal	08:00	12:00	14:00	18:00		

For the software, “Shift” refers to the set of rules for time intervals during which the staff is expected to be present. You may set the arrival time, departure time, late in, early out, definition of absence, definition of overtime, and so on.

Consolidate all the possible work shifts for a day, then create your shifts such as day shift, nightshift, long day shift, etc.

Lexicon

【Shift Interval】 :

These are time intervals within a shift. To clarify, “shift” in this manual refers to the pattern for a day. Our software support a maximum of 3 shift intervals.

Below is a sample shift “Long Day Shift” with 3 shift intervals

Interval 1: 08:00—12:00

Interval 2: 14:00—18:00

Interval 3: 20:00—04:00 (This shift extends to the next day)

Not Need Swipe:

Not Need Swipe

- 1) If the checkbox is checked, the software will not count employees as absent even if they haven’t punched in.
- 2) If the checkbox is unchecked, the software will count employees as absent if they haven’t punched in

Below is a shift sample of a company that works from 08:00 to 18:00 with lunch time from 12:00 to 14:00. Employees are not counted as absent when they don’t punch in/out during lunch.

No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	<input type="text" value="30"/>	<input type="text" value="08:00"/>	<input type="checkbox"/> Not Need Swipe	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="12:00"/>	<input checked="" type="checkbox"/> Not Need Swipe	<input type="text" value="60"/>	Normal
2	<input type="text" value="59"/>	<input type="text" value="14:00"/>	<input checked="" type="checkbox"/> Not Need Swipe	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="18:00"/>	<input type="checkbox"/> Not Need Swipe	<input type="text" value="210"/>	Normal
3	<input type="text" value=""/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text" value=""/>	

【Transaction Type】:

This is a property of a shift interval, for the convenience of calculating the overtime pay. It can be either “Normal” or “Overtime”.

【Before】:

The value (in minutes) in this field defines how long before the shift interval can a staff punch in to count as attendance data.

Note: This is of concern to the attendance, not access permissions. Punching in earlier than the “Prior” value can still unlock the door, it just wouldn’t count on the attendance sheet.

Using the above figure as an example, if the “In Time” is set as 08:00 and “Prior” was set to 60, an employee will count as present beginning at 07:00. The attendance module will not count employees as clocked in before this time.

【After】:

The value (in minutes) in this field defines how late after the interval time can a staff punch in to count as present

Continuing from the example above, an “After” value of 30 will cause clock ins between 08:00 and 08:30 to count. After 08:30 the interval will count as absent. (Late time is defined in **【Late In】**, see below)

Note: Two Shift intervals including their respective “Prior” and “After” intervals shouldn’t overlap. If “Out Time” for a time interval was 12:00 and the “After” was 60 (Latest “Out Time” 13:00). And the “In Time” of the next “Shift Interval” was 13:30 with a “Prior” value of 60 (Earliest “In Time” 12:30. A punch at 12:43 will not be recorded but the calculated work hour and therefore wages will be inaccurate.

【Late In】:

The “Late In” value (in minutes) allows you to decide when a punch in counts as late. The “Late In” time should be in between “In Time” and “After” time therefore its value should be smaller than “After” value. For example: **【In Time】** is 08:00, **【Late In】** set as 0, **【After】** as 30. If a staff clock in at 08:01, they will be marked as late by one minute.

【Early Out】:

The “Early Out” value (in minutes) allow you to decide when a punch in counts as early leave. The “Early Out” time should be in between “Prior” and “Out Time” therefore its value should be smaller than “Prior” value.

For example: **【Out Time】** is 12:00, **【Early Out】** set as 0, **【Prior】** as 30. If a staff clock in at 11:59, they will be marked as early leave by one minute.

【Work Hour Penalty】:

Late in/Early out more than: minutes deduct working hours

This field defines when the software deducts working hours based on the total of Early and Late punch in times of a staff across all shift intervals within a shift definition. So if this value is set to 10, and staffs are required to show up between 08:00 to 18:00 and if a staff has a total of 11 minutes (including late and early), the software reports will deduct work hours. Otherwise, the total work hour will be counted as 10 hours in the software.

【Day Crossover】:

The shift cross day from times, the punch time is for next day

If the shift crosses over to the next day, use this field to indicate which clock in is on the next day. (for example if shift interval 2 “Out Time”

occurs on the next day, the field should be 4)

Add(N)...		Modify(U)...		Delete(D)...		Save(S)...		Cancel(C)...		Exit(E)...	
Shift No. 2		Shift Name Test		Shift Detail							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	60	08:30	<input type="checkbox"/> Not Need Swipe	0	60	60	0	12:00	<input type="checkbox"/> Not Need Swipe	30	Normal
2	60	13:30	<input type="checkbox"/> Not Need Swipe	0	60	60	0	18:00	<input type="checkbox"/> Not Need Swipe	20	Normal
3	10	18:30	<input type="checkbox"/> Not Need Swipe	0	30	60	0	06:00	<input type="checkbox"/> Not Need Swipe	60	Overtime
Late in/Early out more than: 30 minutes deduct working hours						<input checked="" type="checkbox"/> The shift cross day from 6 times, the punch time is for next day					
Regular Hours 8						Overtime Hours 0					
<input type="checkbox"/> Early in minutes, calculated in overtime						<input type="checkbox"/> Late out minutes, calculated in overtime					
Shift No.	Shift Name	Period 1 on work	Period 1 off work	Period 2 on work	Period 2 off work	Period 3 on work	Period 3 off work				
1	Normal	08:00	12:00	14:00	18:00						
2	Test	08:30	12:00	13:30	18:00	18:30	06:00				

For the image above, shift interval 3’s “Out Time” crosses over to the next day. The maximum allowed overtime in this case for purposes of payroll is until 06:00. Any further stay will not increase the work hour, and the employee has until 07:00 (“After” value of 60) to clock in for “Out Time”, later than this time will be counted as absent.

Using the same shift as above, if a staff punches for the “Out Time” of shift interval 3 at 23:00, the software will count an overtime of 4.5 hours. At 00:30, 6 hours, 06:15, 11.5 hours, and then at 07:01, absent.

【Overtime late in】:

Overtime late in

Toggles whether you count staffs as late even for overtime.

【Overtime early out】:

Overtime early out

Toggles whether you count staffs’ early leave during overtime.

【Early Arrival overtime】:

Early in minutes, calculated in overtime

Define how much earlier than the Shift interval 1 “In Time” will an employee count as overtime.

Shift No. <input type="text" value="1"/>		Shift Name <input type="text" value="Normal"/>		Shift Detail <input type="text"/>							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	<input type="text" value="360"/>	<input type="text" value="08:00"/>	<input type="checkbox"/> No card punch	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="12:00"/>	<input checked="" type="checkbox"/> No card punch	<input type="text" value="60"/>	<input type="text" value="Normal"/>
2	<input type="text" value="60"/>	<input type="text" value="14:00"/>	<input checked="" type="checkbox"/> No card punch	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="18:00"/>	<input type="checkbox"/> No card punch	<input type="text" value="240"/>	<input type="text" value="Normal"/>
3	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> No card punch	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> No card punch	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Late in/Early out more than: <input type="text" value="5"/> minutes deduct working hours						<input type="checkbox"/> The shift cross day from <input type="text"/> times, the punch time is for next day					
<input type="checkbox"/> Overtime late in		<input type="checkbox"/> Overtime early out		Regular Hours <input type="text" value="8"/>		Overtime Hours <input type="text" value="0"/>					
<input checked="" type="checkbox"/> Early in <input type="text" value="60"/> minutes, calculated in overtime						<input type="checkbox"/> Late out <input type="text"/> minutes, calculated in overtime					

For the example above, an employee can punch in starting from 360 minutes before 08:00, that is, 02:00. The value for “Early Arrival Overtime” is 60 so an early arrival of any amount of time exceeding 60 minutes will count as overtime. For example, if an employee clocks in at 06:00, it will count as an overtime of 2 hours. Otherwise if he clocks in at 07:02, it will count as a typical record.

【Off work Delay overtime】:

Define how much later than the last shift interval “Out Time” will an employee count as overtime.

Late out minutes, calculated in overtime

Shift No. <input type="text" value="1"/>		Shift Name <input type="text" value="Normal"/>		Shift Detail <input type="text"/>							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	<input type="text" value="360"/>	<input type="text" value="08:00"/>	<input type="checkbox"/> No card punch	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="12:00"/>	<input checked="" type="checkbox"/> No card punch	<input type="text" value="60"/>	<input type="text" value="Normal"/>
2	<input type="text" value="60"/>	<input type="text" value="14:00"/>	<input checked="" type="checkbox"/> No card punch	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="18:00"/>	<input type="checkbox"/> No card punch	<input type="text" value="240"/>	<input type="text" value="Normal"/>
3	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> No card punch	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> No card punch	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Late in/Early out more than: <input type="text" value="5"/> minutes deduct working hours						<input type="checkbox"/> The shift cross day from <input type="text"/> times, the punch time is for next day					
<input type="checkbox"/> Overtime late in		<input type="checkbox"/> Overtime early out		Regular Hours <input type="text" value="8"/>		Overtime Hours <input type="text" value="0"/>					
<input type="checkbox"/> Early in <input type="text"/> minutes, calculated in overtime						<input checked="" type="checkbox"/> Late out <input type="text" value="30"/> minutes, calculated in overtime					

During the shift above, an employee has 240 minutes after 18:00 to punch out (22:00) and overstay will count as overtime in the system as long as it exceeds 30 minutes. An employee leaving at 18:29 will count as typical record, at 18:30, it counts as 30 minutes overtime.

【Default Shift】:

If a shift is not assigned to a staff during registration, the “Default Shift” will be assigned to said staff. This “Default Shift” can be edited manually.

2. Common Shifts Examples

Example 1:

Working from 08:00 to 18:00 with lunch between 12:00 and 14:00. No overtime and punch in/out for lunch not required.

Add(N)...		Modify(U)...		Delete(D)...		Save(S)...		Cancel(C)...		Exit(E)...	
Shift No.	1		Shift Name	Normal		Shift Detail					
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	90	08:00	<input type="checkbox"/> Not Need Swipe	0	30	30	0	12:00	<input checked="" type="checkbox"/> Not Need Swipe	60	Normal
2	59	14:00	<input checked="" type="checkbox"/> Not Need Swipe	0	30	30	0	18:00	<input type="checkbox"/> Not Need Swipe	210	Normal
3		:	<input type="checkbox"/> Not Need Swipe					:	<input type="checkbox"/> Not Need Swipe		
Late in/Early out more than <input type="text" value="5"/> minutes deduct working hours						<input type="checkbox"/> The shift cross day from <input type="text" value=""/> times, the punch time is for next day					
						Regular Hours <input type="text" value="8"/>		Overtime Hours <input type="text" value="0"/>			
<input type="checkbox"/> Early in <input type="text" value=""/> minutes, calculated in overtime						<input type="checkbox"/> Late out <input type="text" value=""/> minutes, calculated in overtime					
Shift No.	Shift Name	Period 1 on work	Period 1 off work	Period 2 on work	Period 2 off work	Period 3 on work	Period 3 off work				
1	Normal	08:00	12:00	14:00	18:00						

Example 2:

Working day starts at 08:00 and ends at 18:00. Lunch hour begins at 12:00 and ends at 14:00. Overtime begins at 18:30 giving staff a break of 30 minutes and the work day ends at 21:00.

Add(N)...		Modify(U)...		Delete(D)...		Save(S)...		Cancel(C)...		Exit(E)...	
Shift No. 1		Shift Name Normal		Shift Detail							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	60	08:00	<input type="checkbox"/> No card punch	0	30	30	0	12:00	<input checked="" type="checkbox"/> No card punch	60	Normal
2	60	14:00	<input checked="" type="checkbox"/> No card punch	0	30	30	0	18:00	<input type="checkbox"/> No card punch	15	Normal
3	15	18:30	<input type="checkbox"/> No card punch	0	30	30	0	21:00	<input type="checkbox"/> No card punch	60	Overtime
Late in/Early out more than: <input type="text" value="5"/> minutes deduct working hours <input type="checkbox"/> The shift cross day from <input type="text" value=""/> times, the punch time is for next day											
<input type="checkbox"/> Overtime late in		<input type="checkbox"/> Overtime early out		Regular Hours <input type="text" value="8"/>		Overtime Hours <input type="text" value="2.5"/>					
<input type="checkbox"/> Early in <input type="text" value=""/> minutes, calculated in overtime		<input type="checkbox"/> Late out <input type="text" value=""/> minutes, calculated in overtime									
Shift No.	Shift Name	Period 1 on work	Period 1 off work	Period 2 on work	Period 2 off work	Period 3 on work	Period 3 off work				
1	Normal	08:00	12:00	14:00	18:00	18:30	21:00				

Example 3:

Working day starts at 08:00 and ends at 18:00. Lunch hour begins at 12:00 and ends at 14:00. Overtime begins at 18:30 giving staff a break of 30 minutes. The staffs are not allowed to work overtime past 06:00.

Add(N)...		Modify(U)...		Delete(D)...		Save(S)...		Cancel(C)...		Exit(E)...	
Shift No. 1		Shift Name Normal		Shift Detail							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	60	08:00	<input type="checkbox"/> No card punch	0	30	30	0	12:00	<input checked="" type="checkbox"/> No card punch	60	Normal
2	60	14:00	<input checked="" type="checkbox"/> No card punch	0	30	30	0	18:00	<input type="checkbox"/> No card punch	15	Normal
3	15	18:30	<input type="checkbox"/> No card punch	0	30	630	0	06:00	<input type="checkbox"/> No card punch	60	Overtime
Late in/Early out more than: <input type="text" value="5"/> minutes deduct working hours <input checked="" type="checkbox"/> The shift cross day from <input type="text" value="6"/> times, the punch time is for next day											
<input type="checkbox"/> Overtime late in		<input type="checkbox"/> Overtime early out		Regular Hours <input type="text" value="8"/>		Overtime Hours <input type="text" value="11."/>					
<input type="checkbox"/> Early in <input type="text" value=""/> minutes, calculated in overtime		<input type="checkbox"/> Late out <input type="text" value=""/> minutes, calculated in overtime									
Shift No.	Shift Name	Period 1 on work	Period 1 off work	Period 2 on work	Period 2 off work	Period 3 on work	Period 3 off work				
1	Normal	08:00	12:00	14:00	18:00	18:30	06:00				

Example 4:

Half work days (typically Saturday)

Working day starts at 08:00 and ends at 12:00. If you want to include parameters that define overtime, check the boxes for “Early Arrival Overtime” and/or “Off Work Delay Overtime” and enter a value.

Note: Overtime cannot be further than the “After” value so if you choose to add this function, set a large Prior/ After value to avoid counting as absent.

Add(N)...		Modify(U)...		Delete(D)...		Save(S)...		Cancel(O)...		Exit(E)...	
Shift No:	<input type="text" value="1"/>	Shift Name:	<input type="text" value="Normal"/>	Shift Detail: <input type="text"/>							
No.	Before	In Time	Not Need Swipe	Late In	After	Before	Early Out	Out Time	Not Need Swipe	After	Transaction Type
1	<input type="text" value="90"/>	<input type="text" value="08:00"/>	<input type="checkbox"/> Not Need Swipe	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="12:00"/>	<input checked="" type="checkbox"/> Not Need Swipe	<input type="text" value="60"/>	<input type="text" value="Normal"/>
2	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value=":"/>	<input type="checkbox"/> Not Need Swipe	<input type="text"/>	<input type="text"/>
Late in/Early out more than: <input type="text" value="0"/> minutes deduct working hours						<input type="checkbox"/> The shift cross day from <input type="text"/> times, the punch time is for next day					
Regular Hours: <input type="text" value="4"/>						Overtime Hours: <input type="text" value="0"/>					
<input type="checkbox"/> Early in: <input type="text"/> minutes, calculated in overtime						<input type="checkbox"/> Late out: <input type="text"/> minutes, calculated in overtime					

Steps

1) Add Shift Definition

Within **Shift Definition**, click “Add”, input the shift number, shift name and department (default as the entire organization). Then configure the Shift intervals parameters. Click **Save** to finish after you have confirmed the input parameters.

2) Modify Shift Definition

Within **Shift Definition**, select the shift you want to modify on the list below. Click **Modify** to beginning changing parameters. Click **Save** to finish after you have confirmed the input parameters.

3) Delete Shift Definition

Within **Shift Definition**, select the shift on the list below. Click **Delete** to beginning changing parameters. Click **Save** to finish after you have confirmed the input parameters.

4.3 Shift Pattern

Define how the working hours look like over a shift cycle.

Click **Attendance Management** then **Shift Pattern** >

【Period Type: Daily】

Use this Period Type for cycles that aren't multiples of weeks or months. This Period Type will allow for a highly customized shift pattern.

No. Name Period Type Remark

Schedule Period

Daily

Normal	Normal	Normal	Normal	Normal	Normal	Rest
Rest						

For example, the image above shows a Shift Pattern of 8 days with 6 actual working days and two rest days.

No. Name Period Type Remark

Schedule Period

weekly

Week	Shift
Monday	Normal
Tuesday	Normal
Wednesday	Normal
Thursday	Normal
Friday	Normal
Saturday	Rest
Sunday	Rest

This second example above shows a shift cycle of a week.

No. Name Period Type Remark

Schedule Period

Monthly

Date	Shift	Date	Shift	Date	Shift	Date	Shift
1	Normal	2	Normal	3	Normal	4	Normal
5	Rest	6	Normal	7	Normal	8	Normal
9	Normal	10	Rest	11	Normal	12	Normal
13	Normal	14	Normal	15	Rest	16	Normal
17	Normal	18	Normal	19	Normal	20	Rest
21	Normal	22	Normal	23	Normal	24	Normal
25	Rest	26	Normal	27	Normal	28	Normal
29	Normal	30	Rest	31	Normal		

If a monthly Shift Pattern is chosen, then the staff's work schedule will follow it during the month. (The software ignores the dates of 29,30 and 31 appropriately according the effective month.)

Steps:

1) Add Shift Pattern

Within **【Shift Pattern】**, click “Add” and input Shift Pattern Name, Period Type, Shift Period, etc. Then for each day, select the appropriate shift with the drop down menu (click on a field beside the day to reveal

drop down menu). Click **【Save】** to finish.

2) Modify Shift Pattern

Within **【Shift Pattern】** , click on the Shift Pattern from the list at the bottom. Click **【Modify】** and begin editing. Click **【Save】** to finish.

3) Delete Shift Pattern

Within **【Shift Pattern】** , select the Shift Pattern from the list at the bottom, then click **【Delete】** .

4.4 Shift Allotment

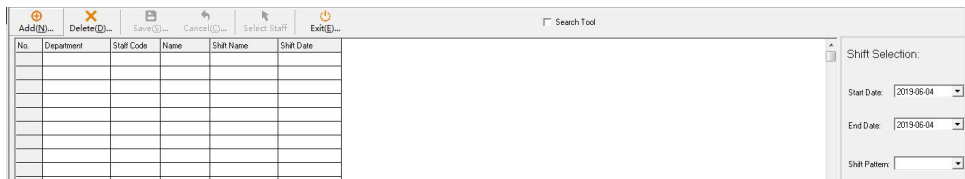
Now that you have created Shift and Shift Patterns, you must assign

them to staff(s). Shift allotment is an essential procedure to generate

proper and meaningful report apart from Shift Definition and Shift Patterns.

A staff must be assigned a “Shift Pattern” for the system to properly

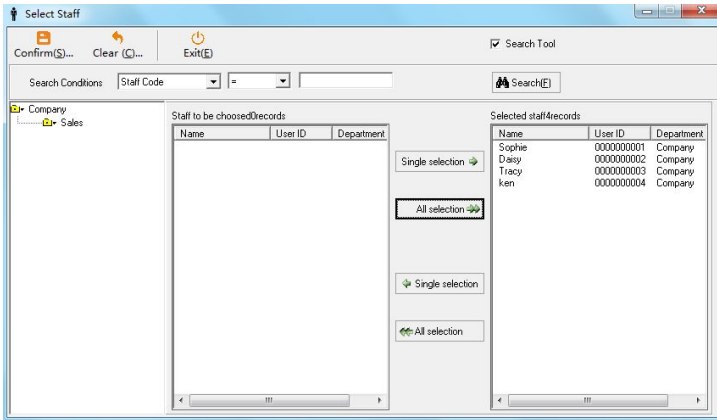
determine if he is late or leaves early often, or if he does overtime often.



Steps:

1) Add Shift Allotments

Within **【Shift Allotment】** , click “Add”. Then click “Select Staff”. A new window will pop up (see figure below), allowing to select the staff(s) that will work according to these shift patterns.



Use the directory of departments on the left to find the staff(s), click on the department, then select the staffs under Staff to be choosed 0 records Source 0 records. Once the staff is highlighted, click the “Single Selection” button to transfer the staff to the Selected staff 3 records. The “All selection” button is used if the whole department follows this shift pattern. Click **【Confirm】**.

Now select the dates that these shift patterns are effective on.

Start Date:

End Date:

Then select the “Shift Pattern”

Shift Pattern:

Click **【Save】** to finish.

2) Delete Shift Allotment

Within **【Shift Allotment】**, select the item on the list which you wish to delete. Click “Delete”.

3) View Shift Allotment Details

Within **【Shift Allotment】** , click on the “Search Tool” checkbox to reveal the search bar. Select/input the Staff Name, Staff Code, Department and the Start Date and End Date to filter out the results. Click “Search” to see results (see fig below).

No.	Department	Staff Code	Name	Shift Name	Shift Date
1	Company	00000001	Sophie	Rest	2019-06-01
2	Company	00000001	Sophie	Rest	2019-06-02
3	Company	00000001	Sophie	Normal	2019-06-03
4	Company	00000001	Sophie	Normal	2019-06-04
5	Company	00000002	Daisy	Rest	2019-06-01
6	Company	00000002	Daisy	Rest	2019-06-02
7	Company	00000002	Daisy	Normal	2019-06-03
8	Company	00000002	Daisy	Normal	2019-06-04
9	Company	00000003	Tracy	Rest	2019-06-01
10	Company	00000003	Tracy	Rest	2019-06-02
11	Company	00000003	Tracy	Normal	2019-06-03
12	Company	00000003	Tracy	Normal	2019-06-04
13	Company	00000004	ken	Rest	2019-06-01
14	Company	00000004	ken	Rest	2019-06-02
15	Company	00000004	ken	Normal	2019-06-03
16	Company	00000004	ken	Normal	2019-06-04

4.5 Total Schedule

You can view the total schedule in a monthly calendar view, you could easily modify the shift pattern in this matter as well.

Click “Attendance Management” then “Total Schedule” to come to the window below.

Month of Schedule: 2019-06

Month: 2019-6 Staff No.: 00000001 Name: Sophie

Department Directory

Staff C.:	Name
00000001	Sophie
00000002	Daisy
00000003	Tracy
00000004	ken

List of Staffs

Shift Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						Rest
2	3	4	5	6	7	8
Rest	Normal	Normal	Normal	Normal	Normal	Rest
9	10	11	12	13	14	15
Rest	Normal	Normal	Normal	Normal	Normal	Rest
16	17	18	19	20	21	22
Rest	Normal	Normal	Normal	Normal	Normal	Rest
23	24	25	26	27	28	29
Rest	Normal	Normal	Normal	Normal	Normal	Rest
30						
Rest						

Steps:

1) View Total Schedule

First select the proper “Month” and enter the proper staff information. Alternatively you may use the Department Directory (remarked on figure above) to find the staff. Select the department, then click on the staff on the “List of Staffs” directly below.

2) Modify Total Schedule

When viewing the staff’s total schedule, you could modify the day by clicking the field underneath the date to choose/type in the value in the drop down menu. Click **【Save】** to finish.







3) Delete Total Schedule

This deletes the entire schedule of a staff for the month. When viewing the staff’s total schedule, click “Delete”. Then click “Yes” to confirm.

4.6 Holiday Registration

This is where you define the holidays that apply to your staffs. These holidays will be counted as day off.

Click “Attendance System” then “Holiday” to begin.

 Add(N)...	 Modify(U)...	 Delete(D)...	 Save(S)...	 Cancel(C)...	 Exit(E)...
Holiday No.: <input type="text" value="1"/>		Holiday Name: <input type="text" value="Christmas"/>			
Start Date: <input type="text" value="2019-12-24"/> <input type="text" value="00:00"/>		End Date: <input type="text" value="2019-12-24"/> <input type="text" value="23:59"/>			
Reason: <input type="text"/>					
No.	Holiday No.	Holiday Name	Start Date	End Date	Reason
1	1	Christmas	2019-12-24	2019-12-24 23:59:00	
2	1	Christmas	2019-12-25	2019-12-25 23:59:00	
3	1	Christmas	2019-12-26	2019-12-26 23:59:00	

Steps:

1) Add Holiday

Click “Add” to begin. Input the fields including the Holiday No., the holiday’s name, start date and end date. Reason field can be used for remarks. Click “Save” to complete the operation.

2)Modify Holiday

Select the row corresponding to the Holiday you would like to edit, click

“Modify”. Edit the fields, then click “Save” to finish.

3)Delete Holiday

Select the row corresponding to the Holiday you would like to delete. Click “Delete” to finish the operation.

4.7 Leave Registration

This section allows you to register employees for leave, business trips, external work, working away from office, etc.

Click into **【Attendance System】** then click on **【Leave Registration】** on the left panel.1

								<input type="checkbox"/> Search Tool
Start Date: 2019-06-04		End Date: 2019-06-04		Leave Type: Sick Leave		Reason: <input type="text"/>		
No.	Staff Code	Name	Start Date	End Date	Leave Type	Reason		
1	00000001	Sophie	06-04-2019 00:00	06-04-2019 23:59	Sick Leave			

Steps:

1) Add Leave Registration

Within Leave Registration, click “Add”. Then click “Select Staff” to open a new window.

Select the appropriate company/ department in the left most panel to see the employee list. Then move individual staff onto the selected staff list on the right or click “All selection” to move all staff. Once you are done, click “Confirm.” Now you are back in the Leave Registration main window, input the correct start and end’s date and time, Leave Type and Reason if any. Click “Save” to finish.

Lexicon

【Leave Type】: Allows you to define the type of leave. There are 7 types of leaves: Personal Affairs, Sick Leave, Maternity Leave, Marriage Leave, Annual Leave, Out Offsite–Duty, and Business Trip.

2)Modify Leave Registration

Select the leave record, then click “Modify”. Correct the input fields then click “Save” to finish.

3)Delete Leave Registration

Select a leave record, then click “Delete”.

4.8 Manual Punch

【Manual Punch】: The system administrator may use this function to clock in on behalf of a staff.

Click “Attendance System”, then “Manual Punch” on the side panel.

No.	Staff Code	Name	Date	Time	Reason
1	00000001	Sophie	2019-06-04	08:00	
2	00000001	Sophie	2019-06-04	12:00	
3	00000001	Sophie	2019-06-04	13:35	

Steps:

1) Add Manual Punch

Within Manual Punch, click “Add”. Click “Select Staff” to bring out a new window. Use the directory tree to find the employees, then click

“Single Selection” or ”All Select” to move staff into the Selected Staff list. Click “Confirm”. Now fill in the “Start Date”, “End Date” and input the clock-in times 1 through 6 (if applicable). Be sure to record the reason for future reference. Click “Save” to finish.

2) Modify Manual Punch

Within Manual punch, click on a manual punch record. Click “Modify” and change the field. Click “Save” to finish.

3)Delete Manual Punch

Select a manual punch record, click “Delete” then “OK” to remove the manual punch record.

4.9 Overtime Rules

This module allows you to define the rules to calculate overtime in the report. Click “Attendance System”, then “Overtime Rules” in the side panel.

No.	Calculation Category	Category Name	Initial Value	Integer Value	Overtime Rate
1	A011	Overtime	30	30	1

Lexicon

【 Initial Value 】 : An overtime exceeding this duration will count as overtime.

【 Integer Value 】 : The system only counts overtime in blocks of this time interval. (For clarification see example below)

【 Overtime Rate 】 : A multiplier to convert overtime to effective work hours.

For example: Using configurations on the image above. If an employee stayed an extra 65 minutes, the duration qualifies as overtime because it exceeds 30 minutes. Now the software counts overtime in blocks of 20 minutes so it only counts 60 minutes. The Overtime Multiplier of 1.5

converts the 60 minutes into a final effective work time of 90 minutes.

Steps:

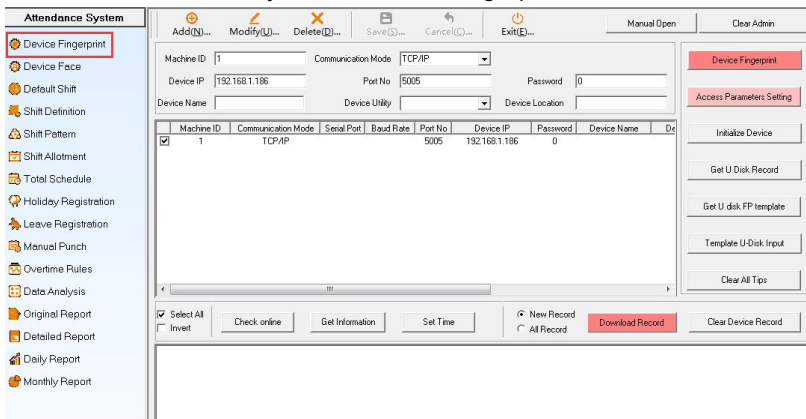
1) Modify Overtime Rules

Within “Overtime Rules”, click “Modify” to change the fields. Click “Save” to finish.

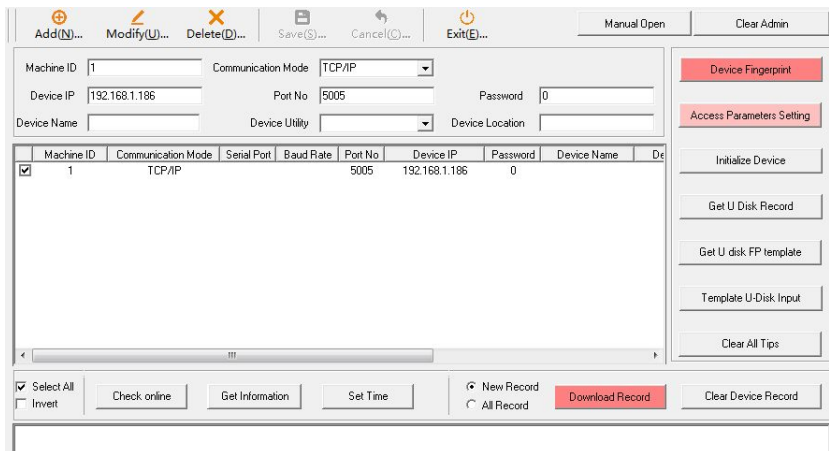
4.10 Device fingerprint

Note: Face terminals turn to Device Face

Select “Attendance System>Device Fingerprint” at the L sidebar.

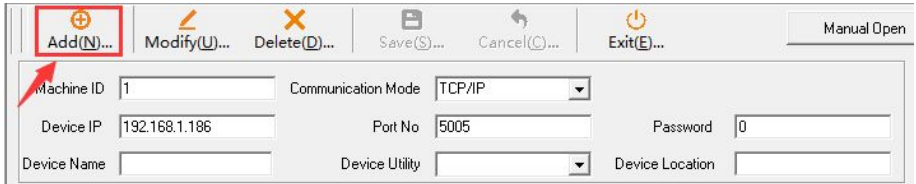


The Device Fingerprint is shown below.



4.10.1 Add Device

Click “Add”

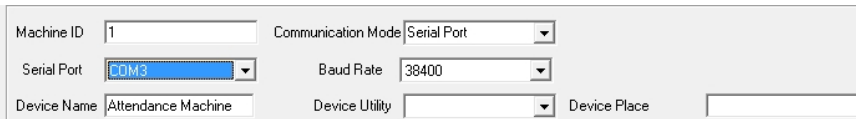


Begin by selecting the “Communication Mode”, there are four modes: Serial COM Port, TCP/IP, USB, and P2S.

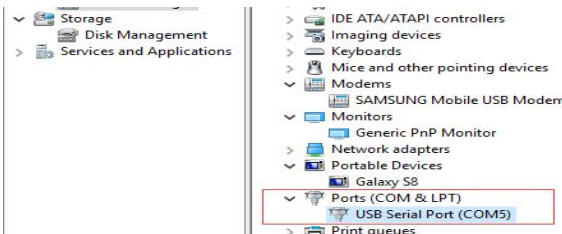
1)USB Communication

Select this mode if you have a USB to USB male to male cable. The “Machine ID” must match with the device ID on the device proper. Then Click “Save” to finish.

2) Serial Port



The “Machine ID” and Baud Rate (Default 38400bps) must match with the system info on the device itself. Select the “Serial Port” of the PC. To find the proper COM number, go to Window’s Device Manager as shown in the image below. “Device Utility” and “ Device Location” are optional but should be filled properly for proper documentation.



3) TCP/IP

Machine ID	<input type="text" value="1"/>	Communication Mode	<input type="text" value="TCP/IP"/>	
Device IP	<input type="text" value="192.168.1.212"/>	Port No	<input type="text" value="5005"/>	password <input type="text" value="0"/>
Device Name	<input type="text" value="Attendance Machine"/>	Device Utility	<input type="text"/>	Device Place <input type="text"/>

The PC connects to the device through Ethernet cables in this mode. Enter the terminal's "Machine ID", "Device IP", and "Port No." (Default 5005). The communication "Password" is defaulted at 0. Click "Save" to finish.

4) P2S

Machine ID	<input type="text" value="1"/>	Communication Mode	<input type="text" value="P2S"/>	
		Server Port	<input type="text" value="7005"/>	Heartbeat Packet Time <input type="text" value="5"/>
Device Name	<input type="text" value="Attendance Machine"/>	Device Utility	<input type="text"/>	Device Place <input type="text"/>

The PC connects with the terminal via a Point-to-Site connection. The Router's "Port Forwarding", and the device's Port Number must match the "Server Port" field. To configure the router's parameters, enter its Gateway IP address. (i.e. 192.168.0.1).

The server IP address value on the terminal must match your server IP address. If the server doesn't have a static IP, then you must set its domain name instead within the terminal.

4.10.2 Modify Device

Select the Device then Click "Modify". Change the field values then click "Save" to finish.

4.10.3 Check Status

Select a device then click "Check Online". The bottom panel will show whether connection is established.

4.10.4 Get Information

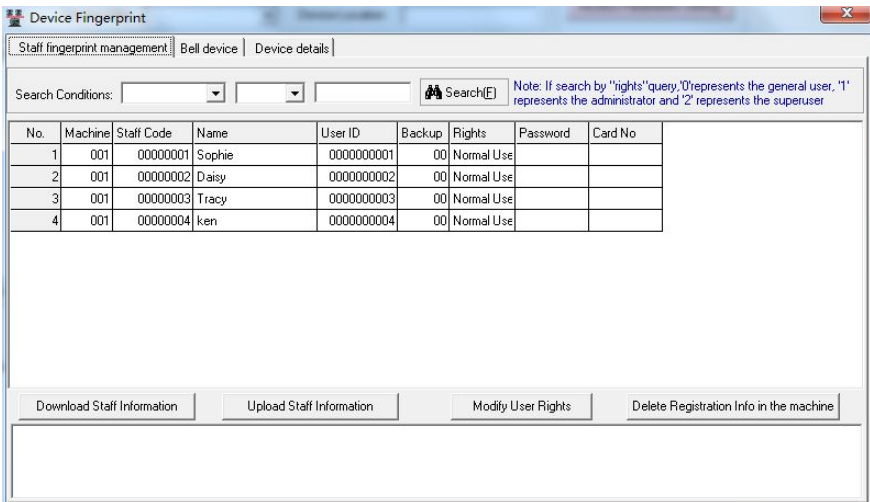
Select a device and Click “Get Information” to acquire device information such as registered users, used fingerprint capacity, etc.

4.10.5 Set Time

Select a device and click “Set Time”. The software will change the device’s time based on the PC’s time.

4.10.6 Device Fingerprint

Click “Device Fingerprint” button within the “Device Fingerprint” module (as shown below).



1) Staff Fingerprint Management

【Download Staff Information】: Pulls registered fingerprint data into the database. For employees that weren’t registered into the software’s HR System, the AAS will automatically create the profiles.

Lexicon

【Backup】 : The column identifies what verifications are registered.

00—First fingerprint

01—Second fingerprint

02—Third fingerprint

09—Duress fingerprint

10—PIN

11—ID Card

【Rights】: Whether the user is an administrator or a normal user.

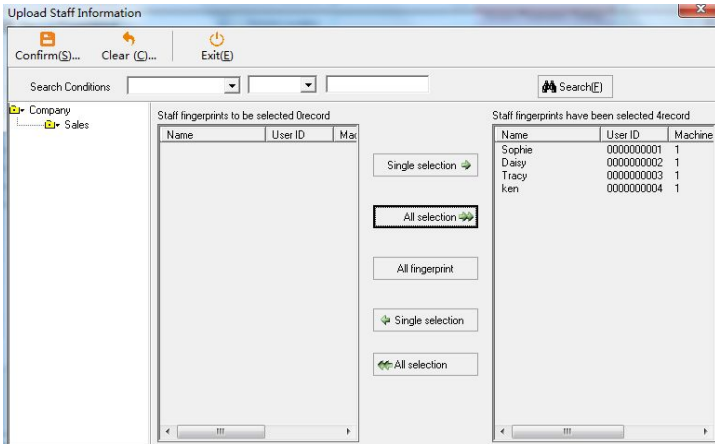
Administrator—The administrator can access the terminal's menu and therefore its parameters.

Normal User—A normal user may clock in/ gain access via the terminal.

【Upload Staff Information】: Uploads selected staffs onto devices in case of a reset or for quick registration on terminals. That includes their names, departments and verification data.

Click “Upload Staff Information”, use the staff directory to move staffs into the selected list on the right (See Image Below).Click “Confirm” to initiate the upload operation.

If the fingerprint data are already on the devices, select the “Register name only” checkbox at the top to upload the names.



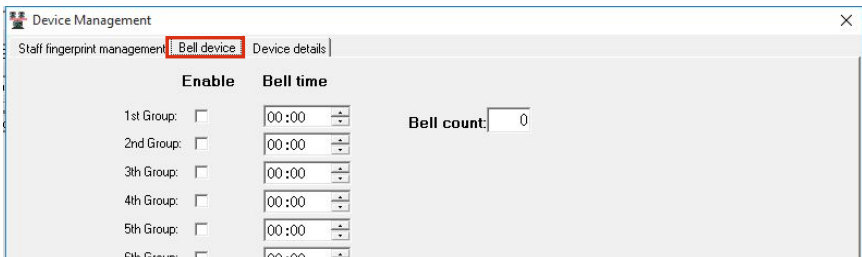
【Modify User Rights】: Change the permission of users. Select a user in the list and click “Modify User Rights”,

【Delete registration info in the machine】: Deletes the user on the terminal. Select a user in the list and click “Delete registration info in the machine”.

2)Bell device

Time attendance terminals come with an internal bell function (select models have external bell sockets).

Select the “**Bell device**” tab. The window will be as shown in the image below. The interface allows you to set 8 sets of bell chimes and their times.



4.10.7 Data Import/Export Using USB Flash Drive

The screenshot shows the software interface with the following configuration fields:

- Machine ID: 1
- Communication Mode: TCP/IP
- Device IP: 192.168.1.186
- Port No: 5005
- Password: 0
- Device Name: [Empty]
- Device Utility: [Empty]
- Device Location: [Empty]

Machine ID	Communication Mode	Serial Port	Baud Rate	Port No	Device IP	Password	Device Name	De
<input checked="" type="checkbox"/>	1	TCP/IP		5005	192.168.1.186	0		

Buttons on the right side of the interface include: Device Fingerprint, Access Parameters Setting, Initialize Device, Get U Disk Record (circled in red), Get U disk FP template, Template U-Disk Input, and Clear All Tips.

Buttons at the bottom include: Select All, Invert, Check online, Get Information, Set Time, New Record (selected), All Record, Download Record, and Clear Device Record.

1) Time logs download

After inserting a flash drive into the terminal, you may use the “Download new record” or “Download all record” within “U-Disk download” on the terminal to pull attendance records onto the flash drive. At the operation’s completion, a file ‘AGL001.TXT’ will be generated. (001 is the Device ID)

Now insert the USB flash drive to the PC, click “Get U Disk Record” and navigate to the .TXT file to import data.

2) Registration Data Download

After inserting a flash drive into the terminal, you may use the “Download all FP” within “U-Disk download” on the terminal to pull attendance records onto the flash drive. At the operation’s completion, a file ‘AFP001.DATA’ will be generated (001 is the Device ID).

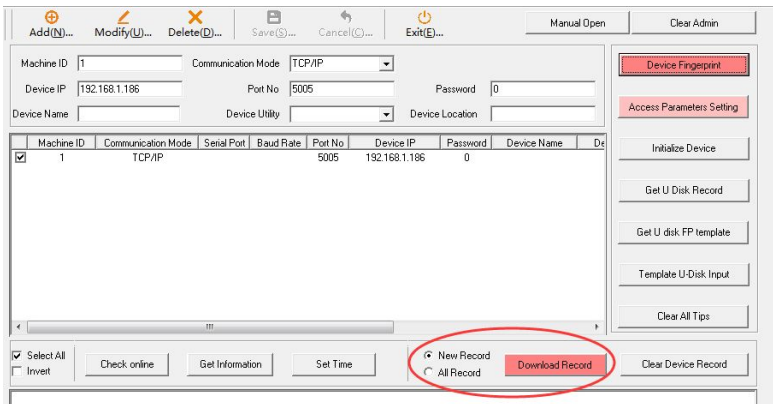
Now insert the USB flash drive to the PC, click “Get U Disk FP Template” and navigate to the .DATA file to import data.

3) Registration Data Upload

Save the registration data into a .DAT file (e.g. AFP001.DAT) and move the file to a flash drive. Insert the flash drive into the terminal and browse its menu for “U-Disk upload”

4.10.8 Download Record

Select the device in “Device Management”, then select either “New Record” or “All Record” Option box. Then click “Download Record”



New Record: Download only new records since last download.

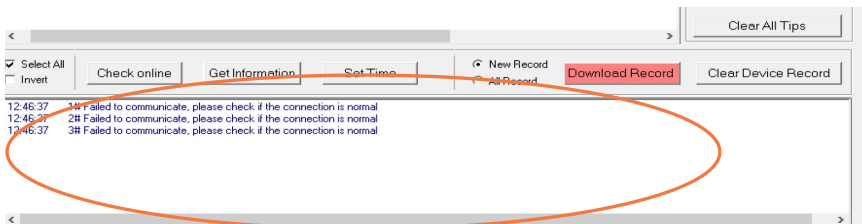
All Record: Download all records, may contain duplicate time logs.

4.10.9 Initialize Device

This function irreversibly removes all registration and time logs from the device, use it with care.

4.10.10 Clear All Tips

Removes all status messages. (See image below)



4.10.11 Clear Admin

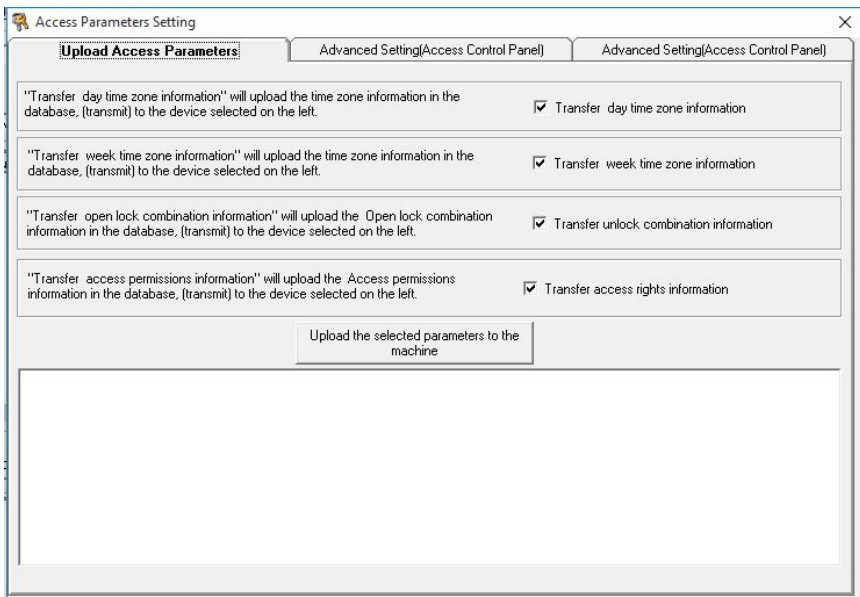
Removes all administrators from the terminal.

4.10.12 Manual Open

Manually unlock doors with this function.

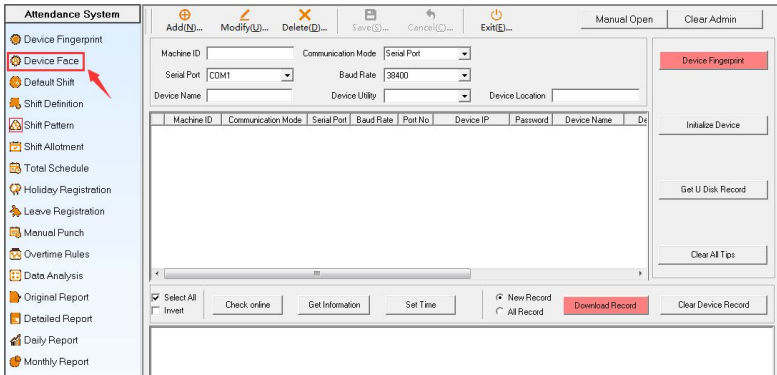
4.10.13 Set Access Parameters

Select which parameters to upload onto the terminals.



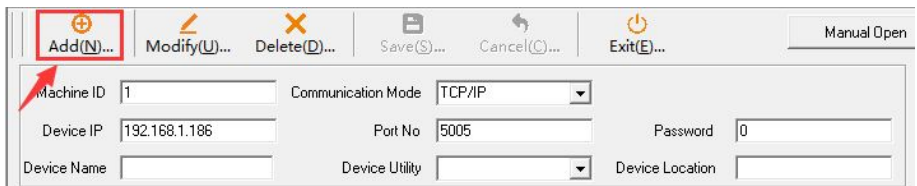
4.11 Device Face(For face terminals only)

Select “Attendance System>Device Face” at the L sidebar.



4.11.1 Add Device

Click “Add”

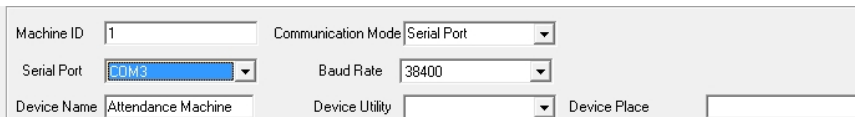


Begin by selecting the “Communication Mode”, there are four modes: Serial COM Port, TCP/IP, USB, and P2S.

1)USB Communication

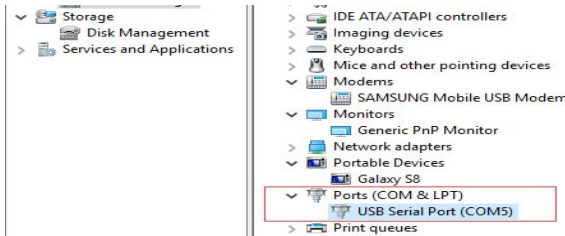
Select this mode if you have a USB to USB male to male cable. The “Machine ID” must match with the device ID on the device proper. Then Click “Save” to finish.

2) Serial Port



The “Machine ID” and Baud Rate (Default 38400bps) must match with the system info on the device itself. Select the “Serial Port” of the PC.

To find the proper COM number, go to Window’s Device Manager as shown in the image below. “Device Utility” and “ Device Location” are optional but should be filled properly for proper documentation.



3) TCP/IP

Machine ID	<input type="text" value="1"/>	Communication Mode	<input type="text" value="TCP/IP"/>		
Device IP	<input type="text" value="192.168.1.212"/>	Port No.	<input type="text" value="5005"/>	password	<input type="text" value="0"/>
Device Name	<input type="text" value="Attendance Machine"/>	Device Utility	<input type="text"/>	Device Place	<input type="text"/>

The PC connects to the device through Ethernet cables in this mode. Enter the terminal’s “Machine ID”, “Device IP”, and “Port No.” (Default 5005). The communication “Password” is defaulted at 0. Click “Save” to finish.

4) P2S

Machine ID	<input type="text" value="1"/>	Communication Mode	<input type="text" value="P2S"/>		
		Server Port	<input type="text" value="7005"/>	Heartbeat Packet Time	<input type="text" value="5"/>
Device Name	<input type="text" value="Attendance Machine"/>	Device Utility	<input type="text"/>	Device Place	<input type="text"/>

The PC connects with the terminal via a Point-to-Site connection. The Router’s “Port Forwarding”, and the device’s Port Number must match the “Server Port” field. To configure the router’s parameters, enter its Gateway IP address. (i.e. 192.168.0.1).

The server IP address value on the terminal must match your server IP address. If the server doesn’t have a static IP, then you must set its domain name instead within the terminal.

4.11.2 Modify Device

Select the Device then Click “Modify”. Change the field values then click “Save” to finish.

4.11.3 Check Status

Select a device then click “Check Online”. The bottom panel will show whether connection is established.

4.11.4 Get Information

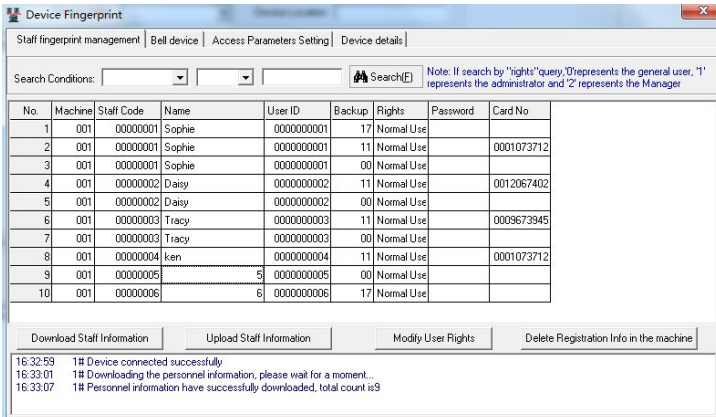
Select a device and Click “Get Information” to acquire device information such as registered users, used fingerprint capacity, etc.

4.11.5 Set Time

Select a device and click “Set Time”. The software will change the device’s time based on the PC’s time.

4.11.6 Device Fingerprint

Click “Device Fingerprint” button within the “Device Fingerprint” module (as shown below).



1) Staff Fingerprint Management

【Download Staff Information】: Pulls registered fingerprint data into the database. For employees that weren't registered into the software's HR System, the AAS will automatically create the profiles.

Lexicon

【Backup】: The column identifies what verifications are registered.

00—First fingerprint

01—Second fingerprint

02—Third fingerprint

09—Duress fingerprint

10—PIN

11—ID Card

17—Face

【Rights】: Whether the user is an administrator or a normal user.

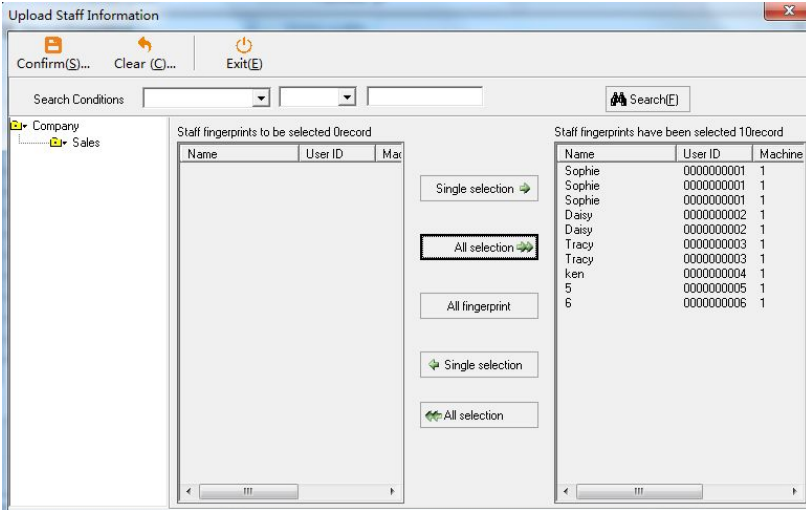
Administrator—The administrator can access the terminal's menu and therefore its parameters.

Normal User—A normal user may clock in/ gain access via the terminal.

【Upload Staff Information】: Uploads selected staffs onto devices in case of a reset or for quick registration on terminals. That includes their names, departments and verification data.

Click “Upload Staff Information”, use the staff directory to move staffs into the selected list on the right (See Image Below).Click “Confirm” to initiate the upload operation.

If the fingerprint data are already on the devices, select the “Register name only” checkbox at the top to upload the names.



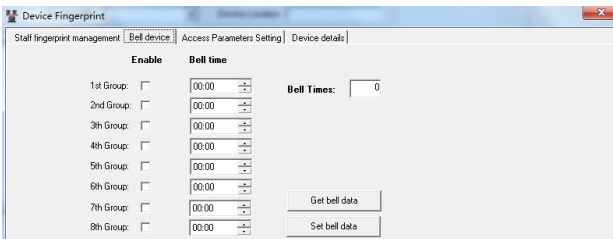
【Modify User Rights】: Change the permission of users. Select a user in the list and click “Modify User Rights”,

【Delete registration info in the machine】: Deletes the user on the terminal. Select a user in the list and click “Delete registration info in the machine”.

2) Bell device

Time attendance terminals come with an internal bell function (select models have external bell sockets).

Select the “Bell device” tab. The window will be as shown in the image below. The interface allows you to set 8 sets of bell chimes and their times.



4.11.7 Data Import/Export Using USB Flash Drive

The screenshot shows the software interface with the following details:

- Top Bar:** Add(N)..., Modify(U)..., Delete(D)..., Save(S)..., Cancel(C)..., Exit(E)..., Manual Open, Clear Admin
- Form Fields:**
 - Machine ID: 1
 - Device IP: 192.168.1.64
 - Device Name: (empty)
 - Communication Mode: TCP/IP
 - Port No: 5005
 - Device Utility: (empty)
 - Password: 0
 - Device Location: (empty)
- Table:**

Machine ID	Communication Mode	Serial Port	Baud Rate	Port No	Device IP	Password	Device Name	De
<input checked="" type="checkbox"/>	1	TCP/IP		5005	192.168.1.64	0		
- Right Panel:** Device Fingerprint, Initialize Device, **Get U Disk Record** (circled in red), Clear All Tips
- Bottom Bar:**
 - Select All, Invert
 - Check online, Get Information, Set Time
 - New Record, All Record
 - Download Record, Clear Device Record
- Status Bar:** 16:32:21 1# Device connected successfully

1) Time logs download

After inserting a flash drive into the terminal, you may use the “Download new record” or “Download all record” within “U-Disk download” on the terminal to pull attendance records onto the flash drive. At the operation’s completion, a file ‘AGL001.TXT’ will be generated. (001 is the Device ID)

Now insert the USB flash drive to the PC, click “Get U Disk Record” and navigate to the .TXT file to import data.

2) Registration Data Download

After inserting a flash drive into the terminal, you may use the “Download all FP” within “U-Disk download” on the terminal to pull attendance records onto the flash drive. At the operation’s completion, a file ‘AFP001.DATA’ will be generated (001 is the Device ID).

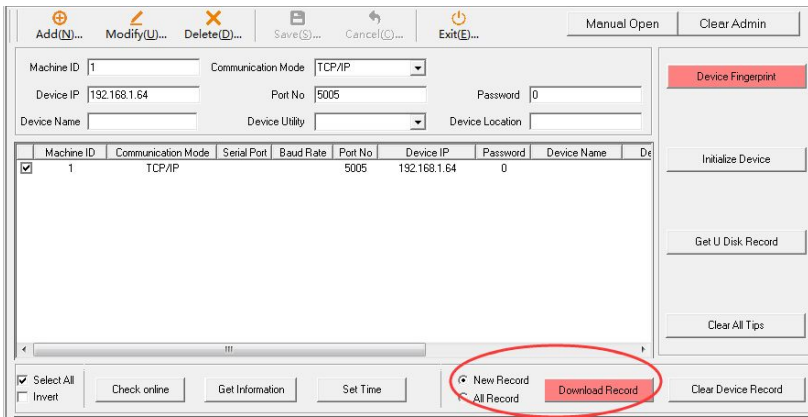
Now insert the USB flash drive to the PC, click “Get U Disk FP Template” and navigate to the .DATA file to import data.

3) Registration Data Upload

Save the registration data into a .DAT file (e.g. AFP001.DAT) and move the file to a flash drive. Insert the flash drive into the terminal and browse its menu for “U-Disk upload”

4.11.8 Download Record

Select the device in “Device Management”, then select either “New Record” or “All Record” Option box. Then click “Download Record”



New Record: Download only new records since last download.

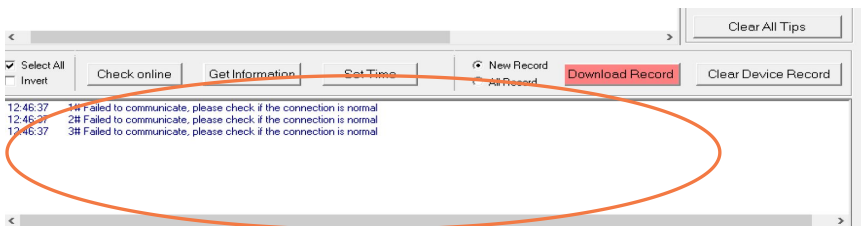
All Record: Download all records, may contain duplicate time logs.

4.10.9 Initialize Device

This function irreversibly removes all registration and time logs from the device, use it with care.

4.11.10 Clear All Tips

Removes all status messages. (See image below)



4.11.11 Clear Admin

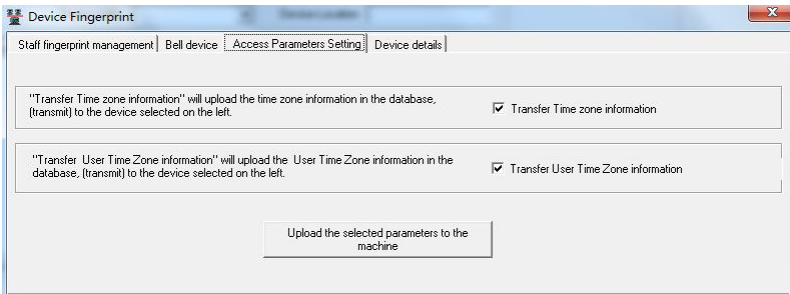
Removes all administrators from the terminal.

4.11.12 Manual Open

Manually unlock doors with this function.

4.11.13 Set Access Parameters

Select which parameters to upload onto the terminals.



4.12 Data Analysis

【Data Analysis】 includes 【Original Report】 , 【Detail Report】 , 【Daily Report】 , 【Monthly Report】 . With the exception of “Original Report”, the module generates report based on the time logs of staffs.

4.12.1 Original Record

【Original Record】: Raw time logs from the attendance terminal;

4.12.2 Detailed Report

【Detailed Report】: It shows all records of a day.

Select Total work time to count total work time

From	Department	Name	Staff Code	Date	Week	Time1	Time2	Time3	Time4	Time5	Time6	Time7	Time8	Time9	Time10	Time11	Time12	Total work time
06/04/2019	Company	Sophie	00000001	06/04/2019	Tuesday	08:30	12:00	14:30	18:00									5.42
06/04/2019	Company	Daisy	00000002	06/04/2019	Tuesday	08:30	18:00											9.50
	Company	Tracy	00000003	06/04/2019	Tuesday	08:30	18:00											9.50
	Company	ken	00000004	06/04/2019	Tuesday													
	Company	5	00000005	06/04/2019	Tuesday													
	Company	6	00000006	06/04/2019	Tuesday													

4.12.3 Daily Report

【Daily Report】: The data generated from the time logs of employees by day. The rules are according to different shift settings in “Attendance System” module. Select Total to count total data of selected date

Staff Code	Name	Date	Week	Shift	In	Out	Absent	Working	OT	Late In	Early Out	Absent	Push	Public Holiday	Leave	Remark
00000001	Sophie	2019-06-01	06/01/2019	Rest												
00000001	Sophie	2019-06-02	06/02/2019	Rest												
00000001	Sophie	2019-06-03	06/03/2019	Normal				1								Absence 4.00K
00000001	Sophie	2019-06-04	06/04/2019	Normal	08:00	12:00		0	0	0	0	0	0	0	4	Sick Leave 4.0
	Total							1	0	0	0	1	0	0	4	
00000002	Daisy	2019-06-01	06/01/2019	Rest												
00000002	Daisy	2019-06-02	06/02/2019	Rest												
00000002	Daisy	2019-06-03	06/03/2019	Normal				1								Absence 4.00K
00000002	Daisy	2019-06-04	06/04/2019	Normal	08:30	12:00		12	3.5	30						Absence 0.50K
	Total							1.12	3.5	0	30	0	1	0	0	

4.12.4 Monthly Report

【Monthly Report】: The data generated from the accumulation of attendance logs of employees in a month (default). The rules are according to different shift settings in “Attendance System” module. You may adjust the time period to show the accumulated data for a different range.

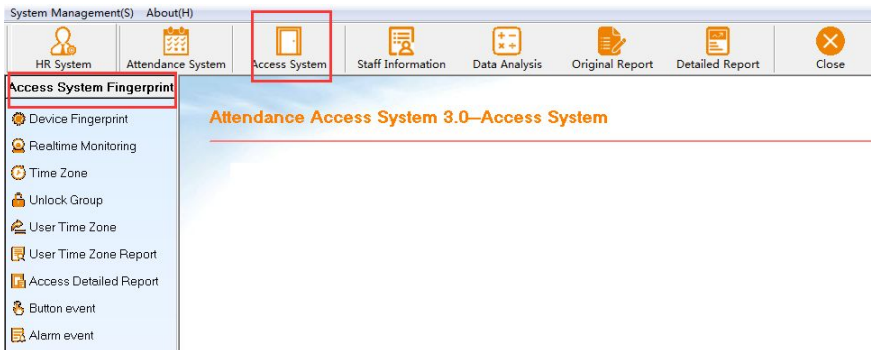
From	Staff Code	Name	Year/Month	Due Attendance Days	Actual Attendance Days	Absent Days	Working Hours	OT Hours	Late In Minutes	Early Out Minutes	Late In Times	Early Out Times	Absent Times	Punch Times	Public Holiday Hours	Leave Hours
06/01/2019	00000001	Sophie	2019/06	2	0	1	0.00	0.00	0	0	0	0	0	0	0	4
06/30/2019	00000002	Daisy	2019/06	2	88		1.12	3.50	30		1	1				
	00000003	Tracy	2019/06	2	88		1.12	3.50	30		1	1				
	00000004	ken	2019/06	2		2							2			

Chapter 5 Access System

Access System contains Access System Fingerprint and Access System Face.

5.1 Access System Fingerprint

Click “Access System(at the top bar)>Access System Fingerprint(at the L sidebar)”



5.1.1 Time Zone

The top section contains daily templates specifying the times at which access is granted. The bottom contains weekly templates that uses the daily templates. (Max 8 each)

Exit(E)

Day Time Zone Setting

Day Time Zone No.	Description	Time Zone1		Time Zone2		Time Zone3		Time Zone4		Time Zone5	
		Start	End	Start	End	Start	End	Start	End	Start	End
1	Day Period 1	00:00	23:59	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00

Add Modify Delete

Week Time Zone Setting

Week Time Zone No.	Description	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Week Period 1	1	1	1	1	1	1	1

Add Modify Delete

5.1.1.1 Add/Modify/Delete Day Time Zone

1) Add Day Time Zone

Within “Access System” > “Time Zone”, click “Add” to bring up the prompt (see image below). The default time zones allow access at any time throughout the day. The system allows 5 Time Zones within a Day Time Zone template up to a maximum of 8 templates.

Day Time Zone Settings

Please select week time zone number.: 1 Description: _____

Time Zone1: 00:00 / 23:59 Time Zone2: 00:00 / 23:59 Time Zone3: 00:00 / 23:59 Time Zone4: 00:00 / 23:59 Time Zone5: 00:00 / 23:59

Confirm Cancel

Select a time zone number from the dropdown menu, then change the “Time Zone” intervals and “description” fields, click “Confirm”.

2) Modify Day Time Zone

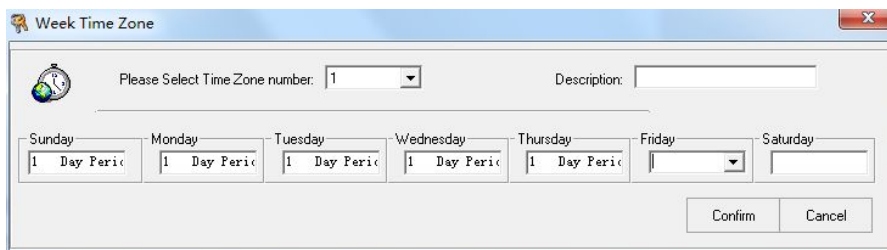
Within “Access System”>”Time Zone”, select a “Day Time Zone” and click “Modify”. Change the fields then click “Confirm” to finish.

3)Delete Day Time Zone

Within “Access System”>”Time Zone”, select a “Day Time Zone” and click “Delete”.

5.1.1.2 Add/Modify/Delete Week Time Zone

A “Week Time Zone” item consists of the Day Time Zone templates assigned to each day of the week. You can have up to 8 Week Time Zones.



The screenshot shows a window titled "Week Time Zone" with a close button in the top right corner. Inside the window, there is a globe icon on the left. The main area contains a label "Please Select Time Zone number:" followed by a dropdown menu showing the number "1". To the right of this is a text field labeled "Description:". Below these fields is a row of seven boxes representing the days of the week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. Each day box contains a small icon of a clock and the text "1 Day Peric". The Friday box has a dropdown arrow on its right side. At the bottom right of the window are two buttons: "Confirm" and "Cancel".

1)Add Week Time Zone

Select a time zone number from the dropdown menu, then change the “Description” and the fields for the days of the week. The Number you enter will correspond to the “Day Time Zone” template number, click “Confirm” to finish.

2) Modify Week Time Zone

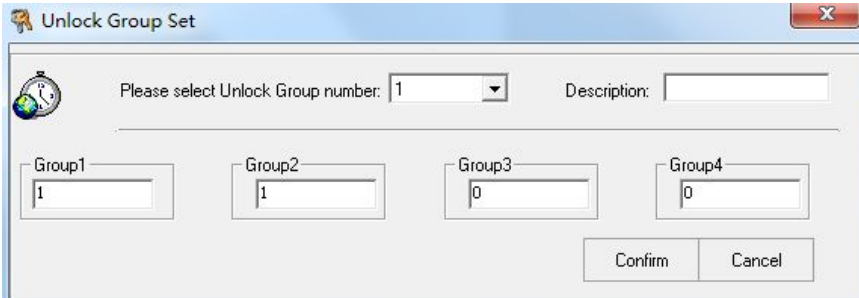
Within “Access System”>”Time Zone”, select a “Week Time Zone” and click “Modify”. Change the fields then click “Confirm” to finish.

3)Delete Week Time Zone

Within “Access System”>”Time Zone”, select a “Week Time Zone” and click “Delete”.

5.1.2 Unlock Group

Each unlock **Group** consists of 4 groups. This means you can require up to 4 people sign in consecutively to unlock a door. The system allows a maximum of 5 “Unlock Combinations”.



Unlock Group Set

Please select Unlock Group number: 1 Description:

Group1: 1 Group2: 1 Group3: 0 Group4: 0

Confirm Cancel

1)Add Unlock Group

Within “Access System”> “Unlock **Group**”, click “Add”. Select an “Unlock Combination number” from the dropdown menu, then change the “Description” and group fields.

2) Modify Unlock Combination

Within “Access System”>”Unlock Combination”, select an item and click “Modify”. Change the fields then click “Confirm” to finish.

3)Delete Unlock Group

Within “Access System”>”Unlock **Group**”, select an item and click “Delete”.

5.1.3 User Time Zone

Assign employee’s access rights, that includes unlock combination group number, and week time zone.

Steps:

Machine ID: 001 | Door No.: Door1 | Search[E]

Group: 1

Week Period: 1 | Week Period 1

The week time zone is empty and so it is inv

Tip:
 For door access control machine, choose door 1 to assign when selecting the door
 For one door two way access control panel, choose door 1 to assign when selecting the door
 For dual door two way access control panel, choose door 1 and door 2 to assign when selecting the door
 For four door one way access control panel, choose door 1, door 2, door 3, door 4 to assign when selecting the door

Unauthorized List			Authorized List			
Name	Department	User ID	Name	Department	Group	Week Period
ken	Company	000000004	Sophie	Company	1	1
5	Company	000000005	Tracy	Company	1	1
6	Company	000000006	Daisy	Company	1	1

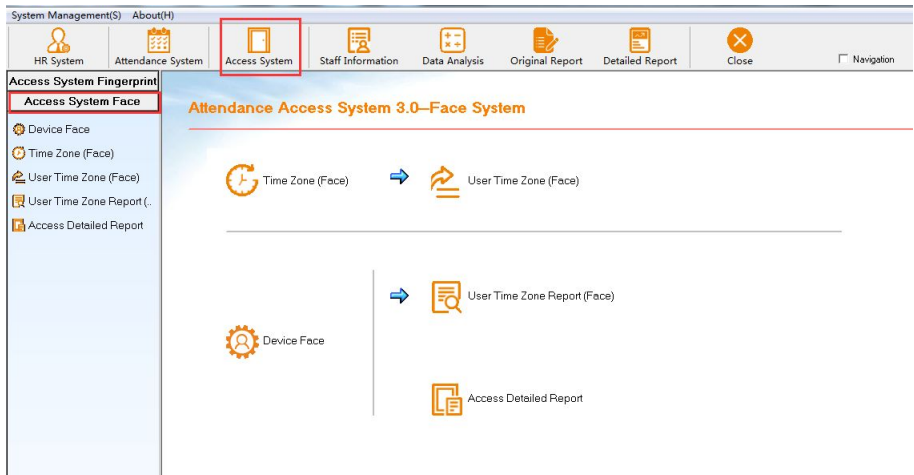
Note: For devices produced by our company, each staff can be assigned one unlock group and one week time zone only.

5.1.4 Device Fingerprint

Once you have configured the settings throughout section 4.10, you may upload these access parameters within “Device Fingerprint”. Select the devices with the check box on the left, then click the “Access Parameters Setting” within “Device Management” to upload these settings. (see image below)

5.2 Access System Face

Click “Access System(at the top bar)>Access System Face(at the bottom of L sidebar)”



5.2.1 Time Zone(face)

This is used to define the opening hours from Sunday to Saturday. You could define a total of 50.

Exit(E)

Time Zone (Face) Add Modify Delete

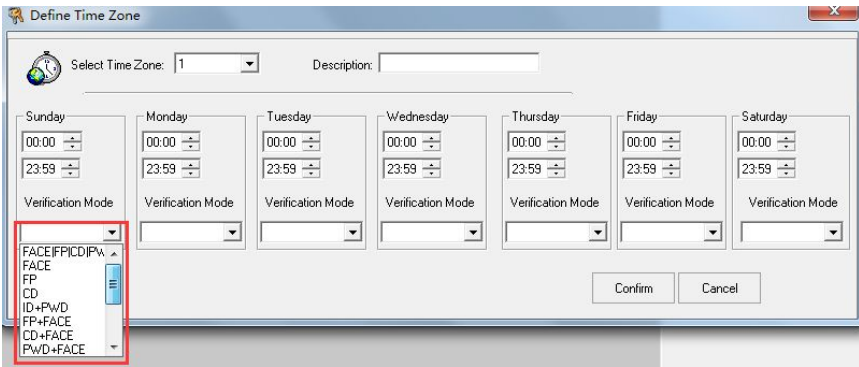
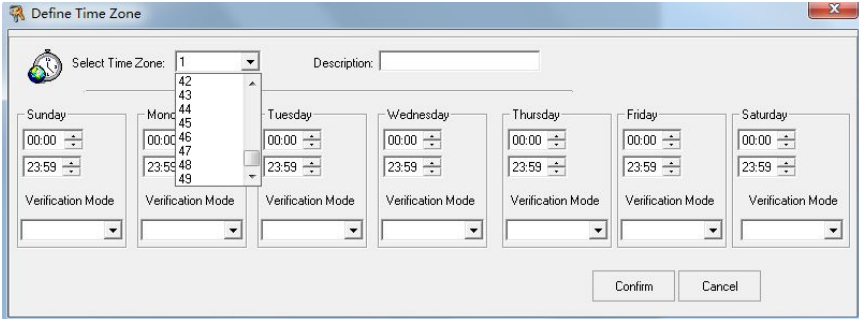
Zone No.	Description	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
1		00:00	23:59	00:00	23:59	00:00	23:59	00:00	23:59	00:00	23:59	00:00	23:59	00:00	23:59

5.2.1.1 Add/Modify/Delete Time Zone

1) Add Time Zone

Within “Access System” > “Time Zone”, click “Add” to bring up the

prompt (see image below) . The default time zones allow access at any time throughout the day. The system allows 50 Time Zones .



Select a time zone number from the dropdown menu, then change the “Time Zone” intervals and “description” fields, and select the verification mode. click “Confirm”.

2) Modify Time Zone

Within “Access System”>”Time Zone”, select a “Day Zone” and click “Modify”. Change the fields then click “Confirm” to finish.

3)Delete Day Time Zone

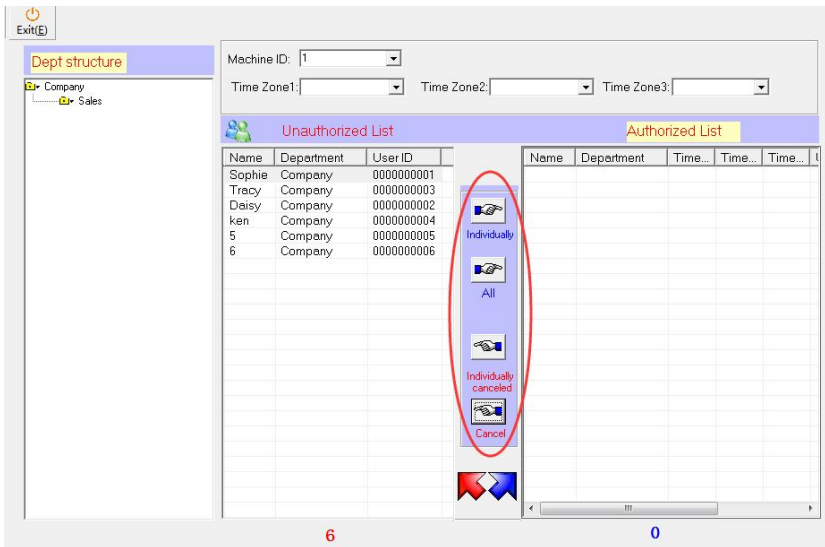
Within “Access System”>”Time Zone”, select a “Day Zone” and click “Delete”.

5.2.2 User Time Zone(face)

Assign employee's access rights, that includes unlock combination group number, and time zone (we can set three time zone for one day) .

Steps:

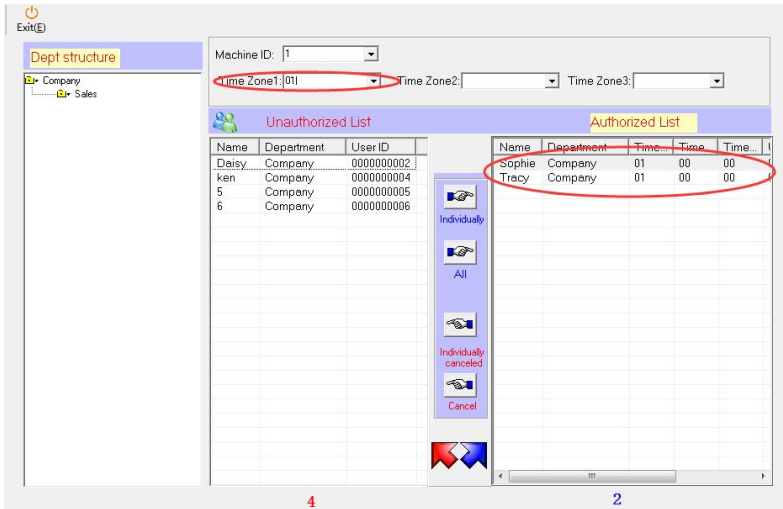
Begin by selecting the device in the “Machine ID” dropdown menu.



Change Time Zone fields.

Use the staff directory to find the employees and use the buttons (red circle in the image above) to move them onto the “Authorized List”.

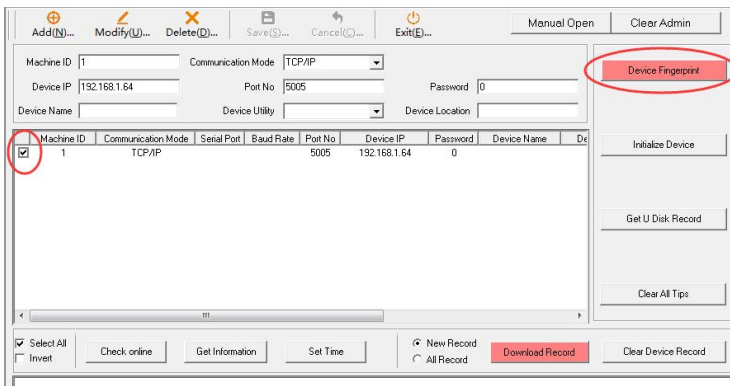
Click “Exit” to finish.

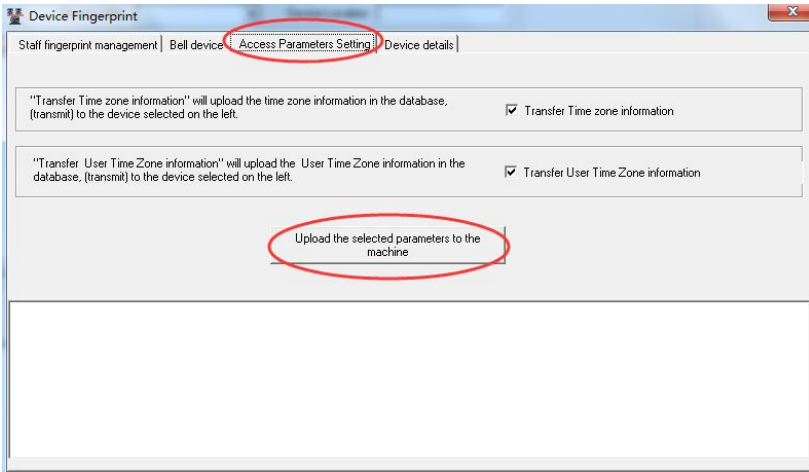


Note: For devices produced by our company, each staff can be assigned one unlock group and one time zone only.

5.2.3 Device Management

Once you have configured the settings throughout section 4.11, you may upload these access parameters within “Device Management”. Select the devices with the check box on the left, then click the “Access Parameters Setting” within “Device Management” to upload these settings. (see image below)





5.2.4 User Time Zone Report (face)

This function allows you to look up assigned access permissions.

Search Conditions		Staff Code	=		Search					
No.	Staff Code	Name	Department	User ID	Week Period	Week Period	Week Period	Machine ID	Remark	
1	00000001	Sophie	Company	000000001	1	0	0	1	Not Uploaded	
2	00000003	Tracy	Company	000000003	1	0	0	1	Not Uploaded	

5.2.5 Detailed Report

View events for the terminals such as user access, alarm triggered, etc.

【Change password】:Change the password to the AAS to prevent unintentional modification.

【User Management】: Add or modify AAS administrator accounts and their permissions.

【System Initialization】:Restore all AAS settings to default.

【Process Duplicate Raw Data】: Deletes redundant data within the system.

【Compact Database】:Compacts the database as the accumulation of data will affect performance of the system.

【Backup Database】: Creates a copy of the database.

【Restore Database】: Restore the database from an existing backup.

【Clear Data】:Delete expired data from the database.

6.1 Change Password

The default credentials for login is User Name: admin, Password: (Blank). After finishing the settings, it is highly recommended that you set a new password to prevent unintentional system access.



Modify Password

Be careful original password will be invalid after change

User Name: admin

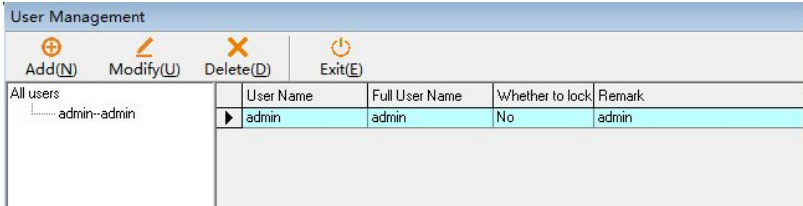
Old Password:

New Password:

Confirm New Password:

Confirm(S) Cancel(C)

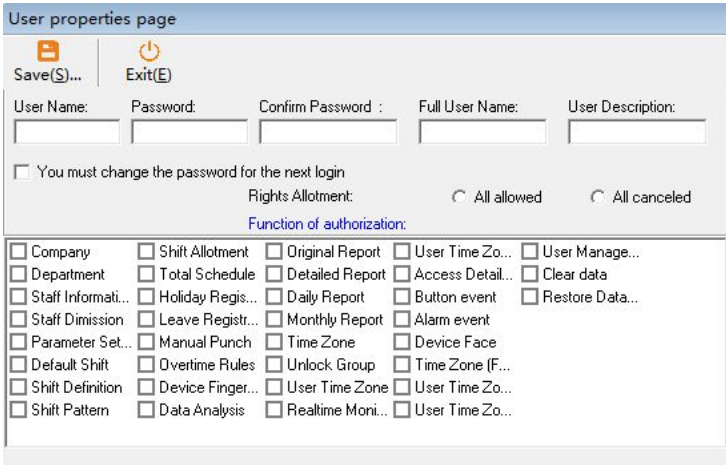
6.2 User Management



Steps:

1) Add AAS User

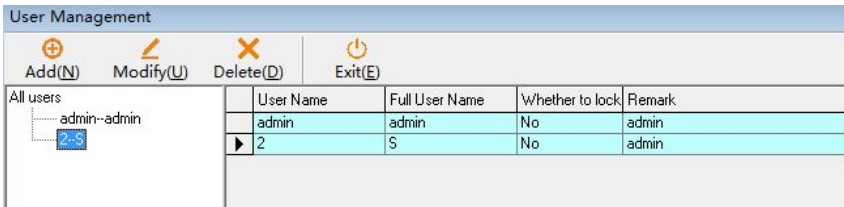
Within “User Management”, click “Add” to bring up the “User Properties Page”. (See image below)



Here you can enter the information and credentials for the user as well as their permissions within the system. After you are done, click “Save” to finish.

2) Modify AAS User

Select a user from the list and click “Modify”.



The “User properties page” will appear for you to modify the fields. Once finished, click “Save”.

3)Delete AAS User

Select a user from the list and click “Delete”.

6.3 System Initialization

Click **【System Initialization】** , enter the credentials to confirm this operation.



6.4 Duplicated original data processing

Within “System Management”, click “ Duplicated original data processing ”,

the system will automatically delete duplicate data.

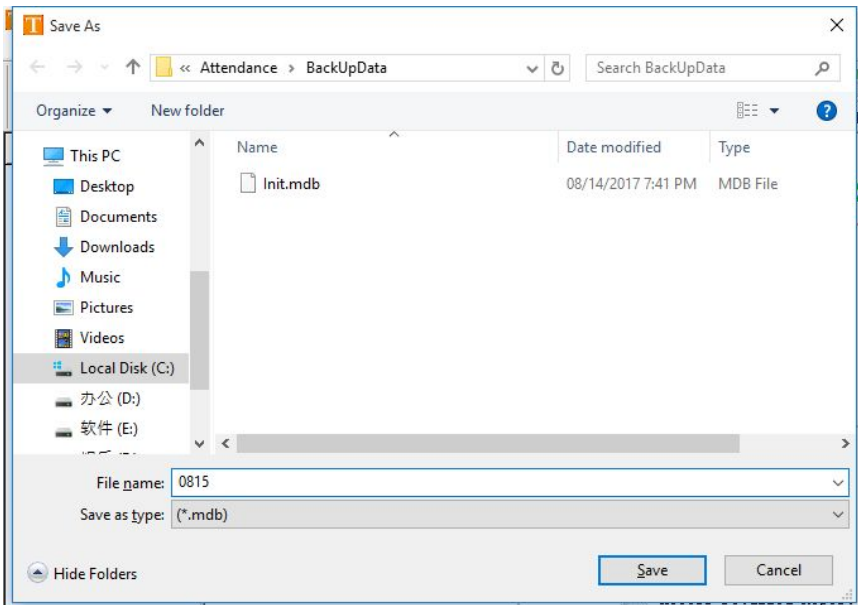
6.5 Compact Database

Within “System Management”, click “Compact Database”, the system will automatically complete the operation.

6.6 Backup Database

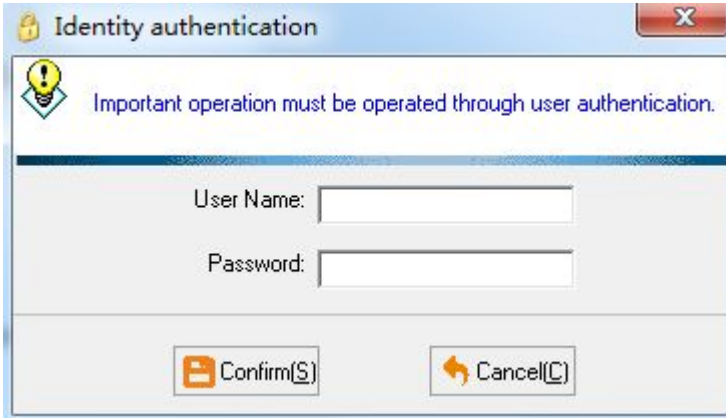
This operation creates a backup file within the directory you specified. In the event of system failure or corrupt files, this file can be used on a fresh installation to restore the settings.

Within “System Management”, select “Backup Database”. Use the windows prompt to select the directory.

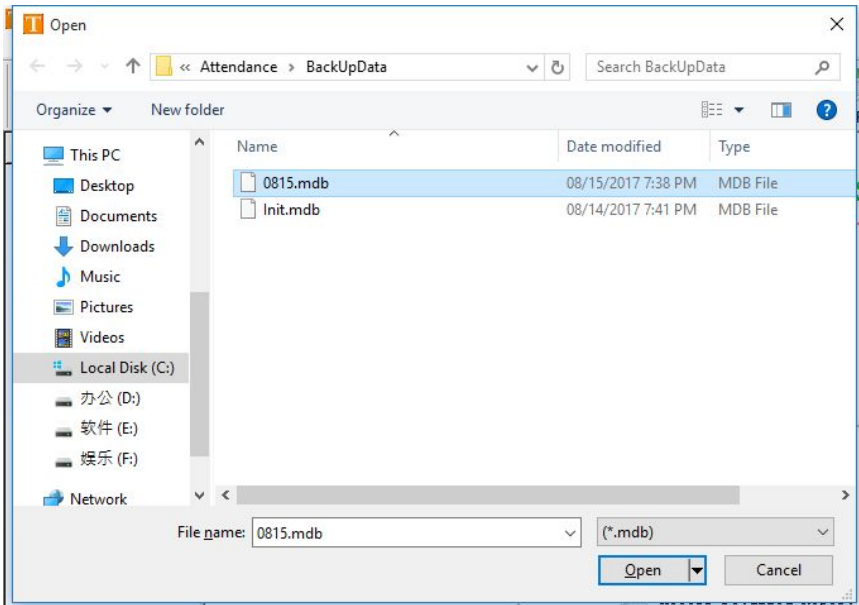


6.7 Restore Database

Within “System Management”, click “Restore Database to bring up the authentication window. Enter the credentials.

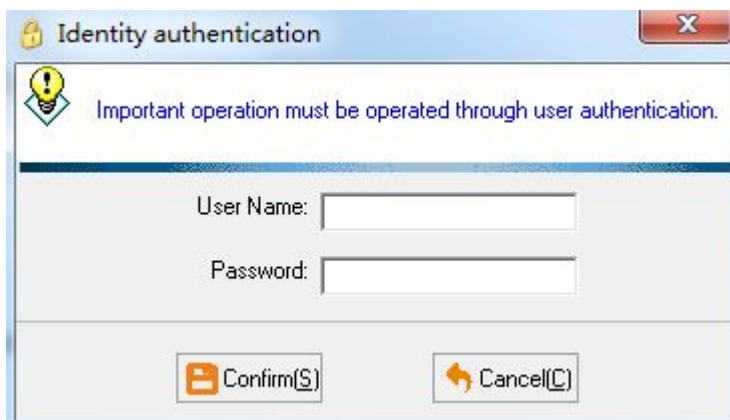


With the windows prompt, navigate the directory to find the backup file with .mdb extension. Click “open” to finish.



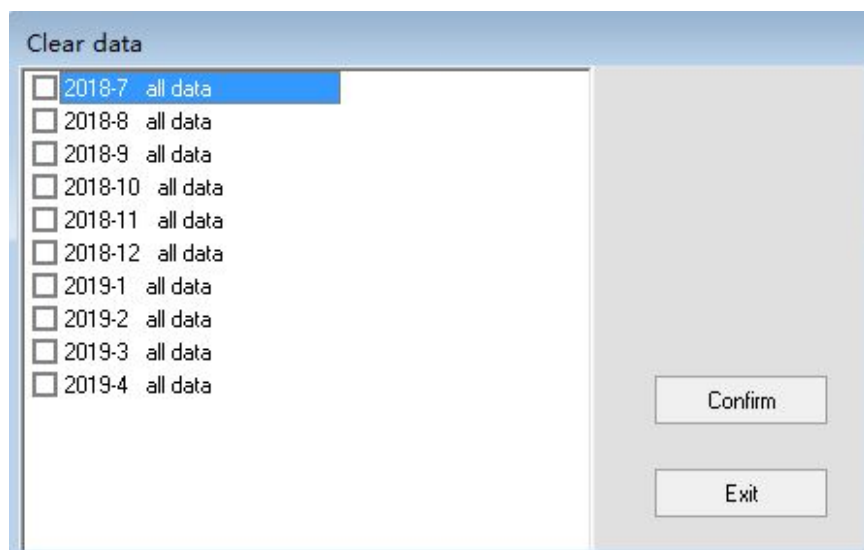
6.8 Clear Data

Within “System Management”, click “Clear Data”. Then enter your credentials.



The image shows a dialog box titled "Identity authentication" with a close button (X) in the top right corner. Inside the dialog, there is a yellow warning icon with an exclamation mark and a blue text message: "Important operation must be operated through user authentication." Below the message, there are two input fields: "User Name:" and "Password:". At the bottom of the dialog, there are two buttons: "Confirm(S)" and "Cancel(C)".

Select the data for the desired months by clicking their corresponding checkboxes. Click “Confirm” to finish.



The image shows a dialog box titled "Clear data". It contains a list of months with checkboxes next to them, each followed by the text "all data". The months listed are 2018-7, 2018-8, 2018-9, 2018-10, 2018-11, 2018-12, 2019-1, 2019-2, 2019-3, and 2019-4. The 2018-7 entry is currently selected, highlighted in blue. To the right of the list, there are two buttons: "Confirm" and "Exit".