

Comprehensive user manual (V1.1)

(★ mark for special model function)

Specific function subject to actual attendance

subject to change without notice

# Preface

Honorable customers,

Thanks for choosing products of our company. The product with world cutting edge technologies—fingerprint/card recognition, computer communication, as well as microelectronics, is considered to be combination of three technologies: electronics, optics and computer communication. It is no doubt that it has become the first choice of standalone time & attendance for enterprises with its strong function and veracity. Please read this user manual carefully to have an initial understanding of functions and basic knowledge of installation, debugging, maintenance, application and management to better use this product.

Utilizing the state-of-the-art biometric tech, this product will bring unprecedented reliability, convenience and benefits to the top management of enterprise in HR.

## Advantage of Fingerprint Time Attendance

- Three level-up
  1. Management level-up
  2. Profit level-up
  3. Enterprise image level-up
- Three reductions
  1. Employee dispute reduction
  2. Work redundancy reduction
  3. Environmental pollution reduction
- Three eliminations
  1. Buddy punching elimination
  2. Loss and damage elimination
  3. Circular cost elimination
- **Full function**

The system can realize different functions such as attendance remark, calculation and report printing. The remark can be made for reasons such as business leave, absence, marriage holiday and etc.; the checking and calculation can be made in accordance with different time periods, departments, individual or combination due to various reasons for absence; the report generation and printing function can be realized perfectly.

- **Flexible Shift Maintenance**

The software supports shift on week basis, rotation shifts etc. Various shifts, public holidays, individual leave and overtime are available to meet the complicated needs of every enterprise.

- **Standalone**

The machine can work without connecting to PC, convenient in operation and no need to occupy any extra resource.

- **Multi-communication in network**

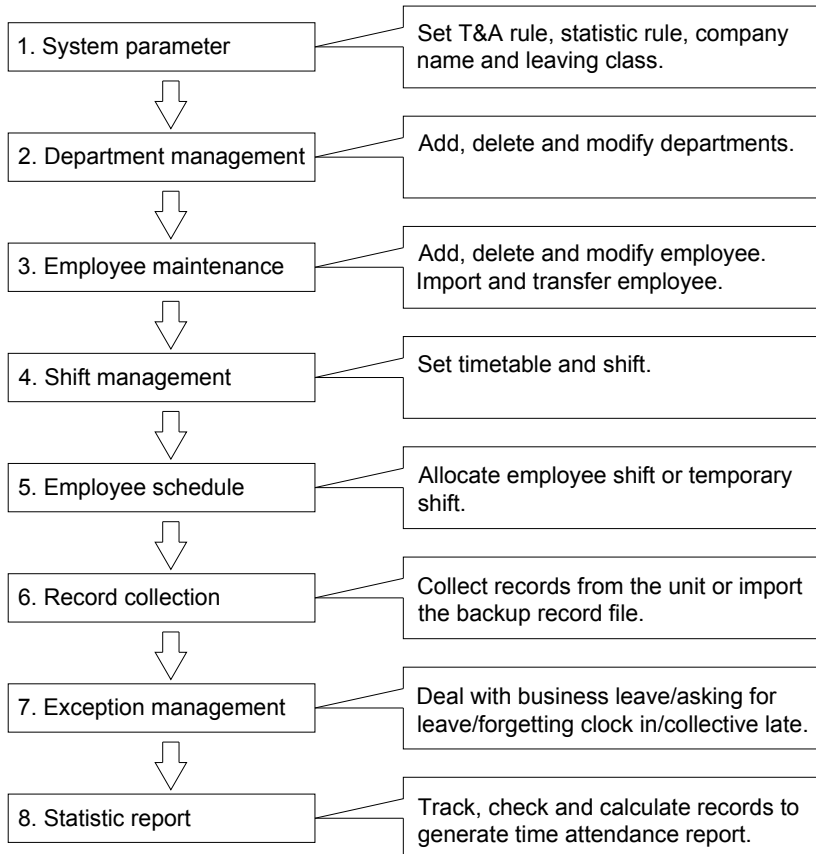
For large enterprise, multiple devices can be applied to do attendance synchronously, which will be convenient for large quantity of users and save time.

# Software Operation Flowchart

(Important chapter, please read carefully)

This software includes: System parameter, department management, Employee maintenance, shift management, Employee leave and statistic report etc. Then how to use this system in a right way? It is far from enough to understand only the function of each module but to know the connections between them and the system operation flowchart. Thus, a correct report can be generated.

Software operation flowchart can be described in brief as follows:



1. When the software is run for the first time, please set parameters including company name, time attendance rule, statistic rule for early, late and overtime etc. ,

leave class. When the setting is completed, it is usually not needed to be modified unless the management rules of this company changes.

2. Normally there are many departments in one company and all departments need to be entered manually unlike the directly import of Employee. Department setting should be completed before Employee maintenance.

3. When the software is used for the first time, please make a Text file (\*.txt) or MS Excel file (\*.xls) for company Employee in accordance with certain format. For the format, please refer to **【import Employee list】** so that all Employee can be imported to the system at one time. Employee can be added, deleted, modified and transferred to new department during future use.

4. First add the proper timetable (from on-duty time to off-duty time) according to the company rule and then set shifts.

5. After the shift setting is completed, it will work until shift is allocated to Employee. Each Employee can only have one shift. Please note the starting date of the shift. After the allocation of the shift, the arranged working date and time can be seen clearly for each Employee.

6. Attendance records are stored in the time attendance unit. Please download the records from the unit before report calculation. In addition, staff information and fingerprint templates can be uploaded and downloaded between the unit and the computer. Please refer to “Background management” for detailed information.

7. There is always staff away for business, asking for leave and forgetting clock happening in a company. Once it occurs, please deal with it in time in the software to ensure the correctness of the statistic report.

8. After all the above mentioned operation is done, the calculation of report can be operated. The report can calculate the time attendance status of all Employee or a certain Employee from a certain department in a certain time period.

In **【Attendance Calculating and report】**, first please select the starting and ending date of the Employee, click “Calculate” and the system will calculate automatically and check the validity of the records. (There are some invalid records during the use of the unit. For instance, if one Employee presses the finger twice during a very short time period, one of the records will be regarded as invalid.) If there is any error in the software calculation, admin can also modify manually to ensure the correctness of the result.

Please note: From the above flowchart, we can see that if there is an error in calculation report for one staff, the possible reasons are as follows:

Employee shift or temporary shift is incorrect.

Exceptions such as Employee away for business/ask for leave/forgetting clock in/out is incorrect. Checking and calculation of transaction records is incorrect.

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# Chapter1 Notice for user

It's a comprehensive manual, Specific function subject to actual attendance.

Models:D100/D200/Aseries/EPseries/TC550/O  
C500/T60 /VF30/VP30.



# 1、 Notice for user

## 1.1 Security considerations

Please read carefully before using the manual:

- 1、 Please read it carefully first of all;
- 2、 Don't install the terminal under direct light, humid, dusty or sooty environment;
- 3、 Don't install the terminal near the magnetic field;
- 4、 Don't install the terminal near the calefaction device;
- 5、 Don't sprinkle the liquid (water, drink, chemistry) on the terminal;
- 6、 Always keep the surface of the terminal clean;
- 7、 Clear the terminal by towel when there is water on the surface;
- 8、 Don't break the terminal;
- 9、 Don't press two keys at the same time;
- 10、 Don't take down, repair or change the terminal without authorization;
- 11、 Don't allow children to touch the terminal;
- 12、 This terminal is only used for fingerprint verification, don't use it for other purposes;
- 13、 If in doubt, please contact the local distributor;

## 1.2 Illustration for pressing fingerprint ★

### Correct method:



Place the center of the finger on the center of scanner window.

### Wrong method:



Too less valid area

Too left

Too right

Defluxion

Too down

1. It is better for each user to register two finger prints in case of one finger can't work.
2. Place finger flatly and the center of the finger is on the center of scanner window and press a little hard on scanner so it can scan as large finger area as possible to extract enough minutia.
3. Keep the angle and direction of finger the same each time placing on scanner.
4. If your finger has sweat or water, please make it dry first and then register .
5. If your finger is too dry, make it a little wet or touch the forehead to increase oily of the finger, press a little hard on scanner. (the dry finger can cause the finger image not clear .
6. Avoiding the callus , peeling or injury of the finger to ensure the register and identification successful.
7. You'd better register the thumb first , then index finger or middle finger to increase the precision.

(For R&A terminal with fingerprint)

# Chapter2      Operation Guide

This chapter is mainly about appearance illustration and relevant system settings such as how to add and delete users etc.

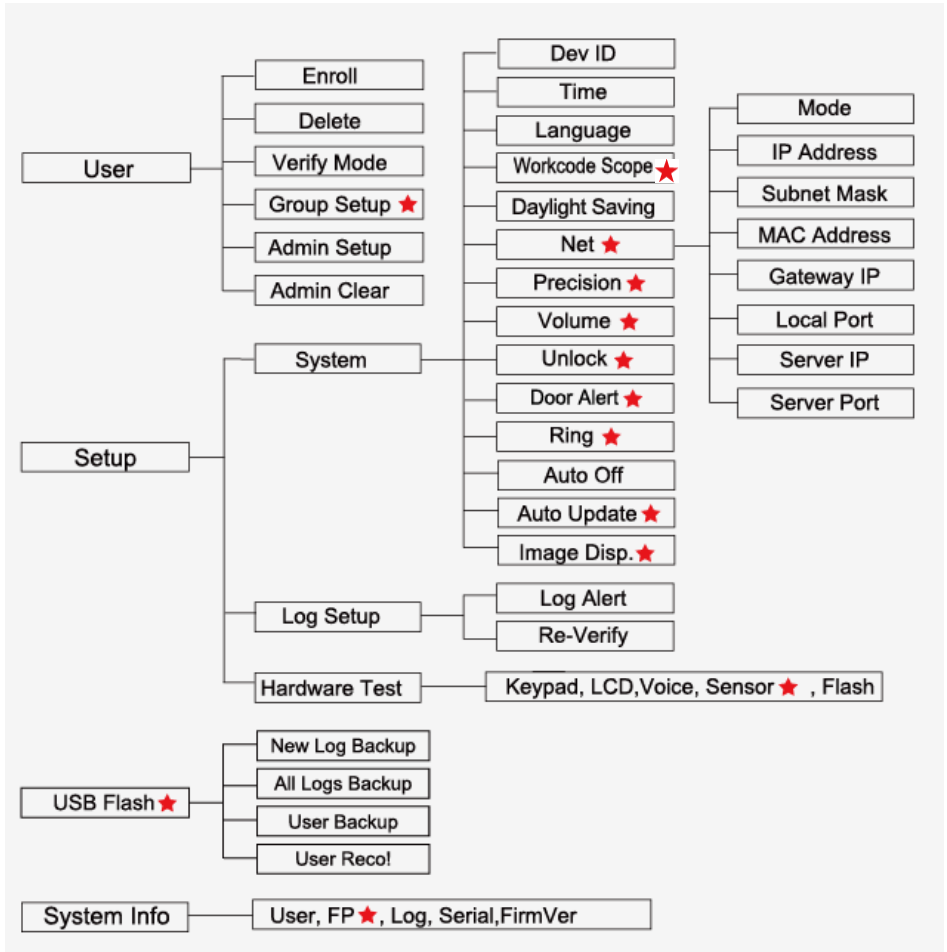


## 2、Operation Guide

### 2.1 Menu List★

Press [M] key to enter system management menu.

(This requires the administrator authorization if there is admin registered in the system.) Menu List:



Prompt: ★ mark for special model function



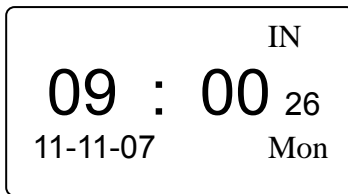
## 2.2 Button instruction

Button	Function	Button	Function
<b>【Fn】</b>	Work Code	<b>【M】</b>	Menu
<b>【OK】</b>	Confirm	<b>【C】</b>	Delete / Exit
<b>【☉】</b>	Power	<b>【1-9】</b>	Number
[< IN] [OUT >] <b>【▲】 【▼】</b>	Status/Navigate key		

Prompt: **【C】** also is work code function for T60 device. ★

## 2.3 Time attendance status

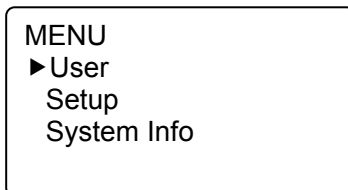
Standby status we can run: time attendance, status setting, entering management mode and power off operation.



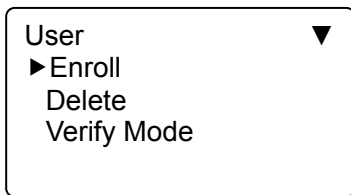
## 2.4 User

Employee info management includes user registration, user deletion; verify mode, group setting, manager setup and deletion.

Press [M] to enter system management mode. Select [User] option with [< IN] or [OUT >] key.

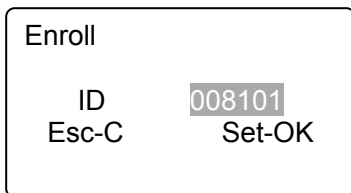


Press [OK] button to enter the sub-menu,

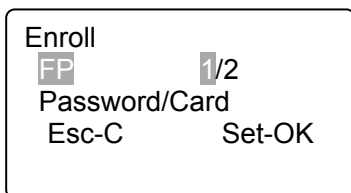


#### 2.4.1 User Enroll

Select [Enroll] option and press [OK] to enter user registration interface. Input user ID, i.e. 8101

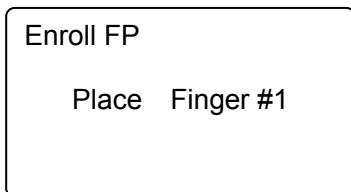


Press [OK] to continue,

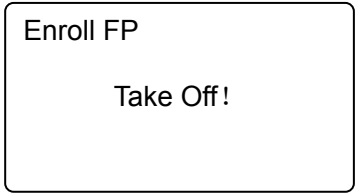


Fingerprint registration: ★

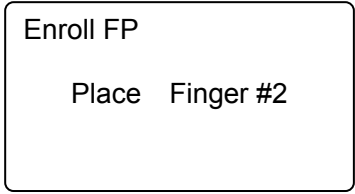
Press [◀ IN] or [OUT▶] key to select 1 or 2, 1 is to register the 1st FP, 2 is for 2nd FP. Press [OK] to continue,



Place the finger on sensor scanner. Please follow the screen prompts to register the fingerprint.



Remove finger, the system will prompt,



Place the same finger on sensor scanner again. After scanning successfully, the system will prompt as follow:

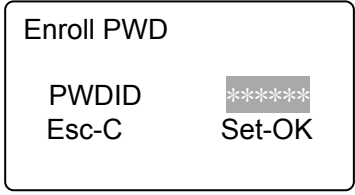


Press [OK] to save fingerprint. Press [C] back to user registration interface.

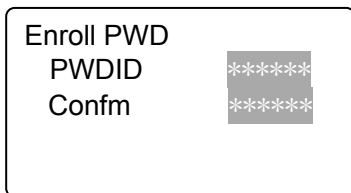
The 2nd finger registration as the same steps as above.

Password registration:

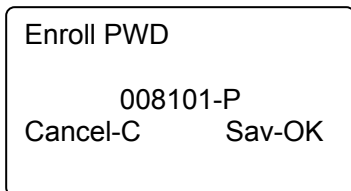
Press [◀ IN] or [OUT ▶] key to [Password] option. Press [OK] to continue,



Please Input 1-6 digits as password. Press [OK] to confirm and input same password again. The system will prompt,



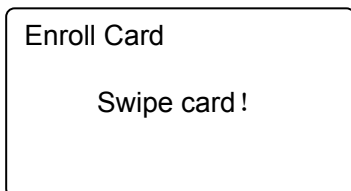
Press [OK] to save interface,



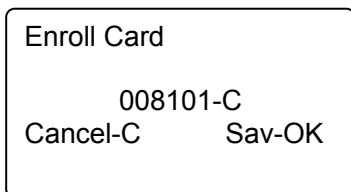
Press [OK] to save password. Press [C] to cancel and exit back to user registration interface.

Card registration:

Press [◀ IN] or [OUT ▶] key to [Card] option. Press [OK] to continue,



Swipe the ID card on card reader area. The terminal will get card number and enter save interface,



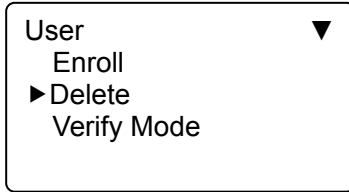
Press [OK] to save, press [C] to cancel and exit back to user registration interface.

#### 2.4.2 User Deletion

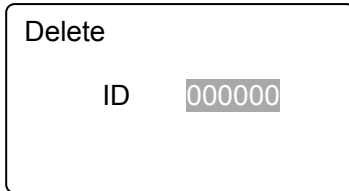
When there are employees leaving, we need to delete these employees to free

more memory space.

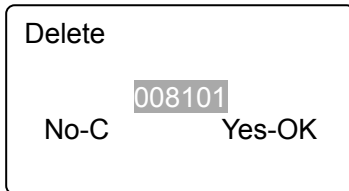
In [User] menu, press [◀ IN] or [OUT ▶] to select [Delete] option



Press [OK] key to enter user deletion interface.



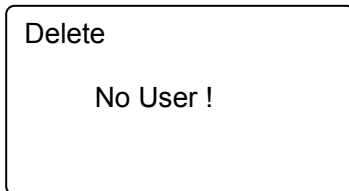
Input employee ID to delete. Press [OK] enter delete confirm interface,



Press [OK] to confirm delete. Press [C] to cancel.

Prompt: Employee deletion will delete all information of the employee and can't be resumed. Please take caution!

When machine do not have this employee ID, the system will prompt as follow:

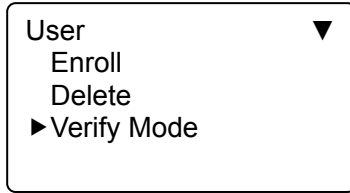


### 2.4.3 Verify Mode

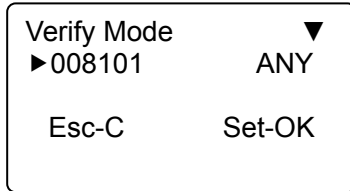
Setting verify mode of the employee, there are four modes: SEPT, RF+PW,

PW+FP, and RF+FP.

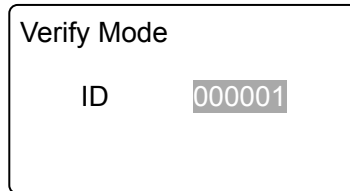
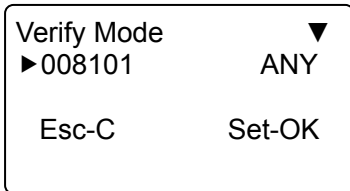
In [User] menu, press [◀ IN] or [OUT▶] key to select [Verify Mode] option:



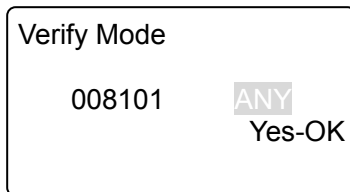
Press [OK] key to enter setting interface:



Press [◀ IN] or [OUT▶] key to select employee's ID or press [OK] to input user ID:



After input user ID, press [OK] to enter setting interface.



Setting employee's verify mode through [◀ IN] or [OUT▶] key, then press [OK] key to confirm and enter save interface:

```

Verify Mode
      008101    FP+PW
Cancel-C      Sav-OK
  
```

Then press [OK] key to save; Press [C] key to cancel this operation.

#### 2.4.4 Group Setup★

Group is based on time zones. One group can set max 4 time zone. There are supply 16 groups. Normally, system will default group 0 as normal close, group 1 as normal open.

In [User] menu, press [◀ IN] or [OUT ▶] key to select [Group Setup] option,

```

User ▼
▶ Group Setup
  Admin Setup
  Admin Clear
  
```

Press [OK] key to enter group setup interface,

```

Group Setup ▼
▶ 000801      G01
  000802      G01

Esc-C      Set-OK
  
```

Press [◀ IN] or [OUT ▶] key to select user ID or press [OK] to input user ID manually.

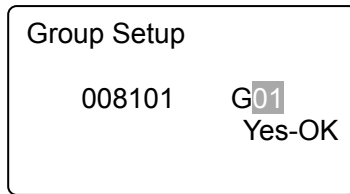
```

Group Setup ▼
▶ 008101      G01
  008102      G01
Esc-C      Set-OK
  
```

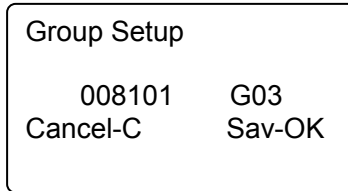
```

Group Setup
ID  000001
  
```

After input user ID, press [OK] to enter group interface.



Group number can be input through [◀ IN] or [OUT▶] key or number key. (Max group number is 16 ). Press [OK] key to confirm and enter save interface.

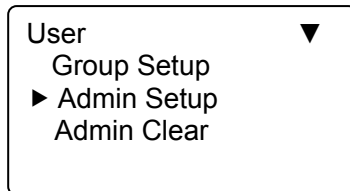


Then press [OK] key to save employee' group settings. Press [C] key to cancel this operation as well.

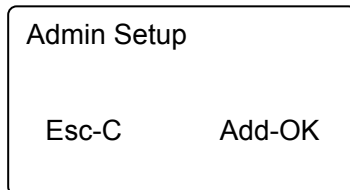
#### 2.4.5 Admin Setup

To prevent illegal operation, we need to set device admin to enter menu.

In [User] menu, press [◀ IN] or [OUT▶] key to select [Admin Setup] option:

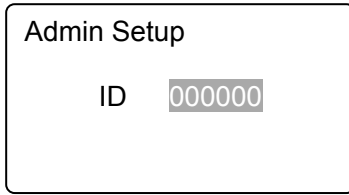


Press [OK] key to enter [Admin Setup] interface,

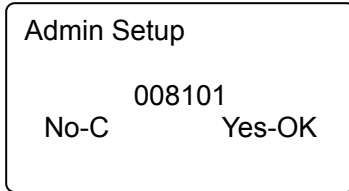


Press [OK] to start adding admin,

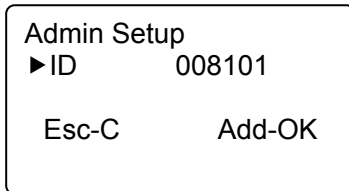




Input the user ID i.e. 8101. Press [OK] key to enter admin setup save interface,

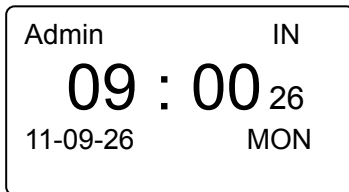


Press [OK] key again to confirm saving. After adding completed, exit to admin setup interface.



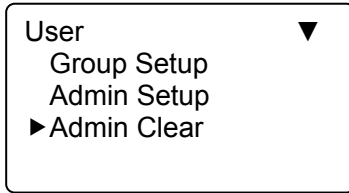
You can press [OK] key to continuously add other admin, and press [C] to exit as well.

After adding admin, it needs the verification of the administrator's fingerprint to enter Menu. The interface is as following;

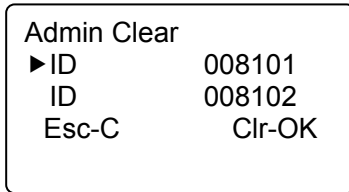


#### 2.4.6 Admin Clear

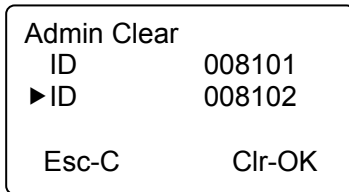
Select [Admin Clear] option in [User] menu.



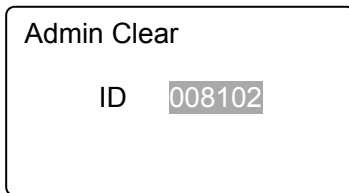
Press [OK] to enter admin clear interface,



Press [< IN] or [OUT >] key to choose the admin ID to be deleted, i.e. 8102:



Press [OK] key to confirm the admin ID.



Note: in admin clear interface, you can press [OK] key to input admin ID and delete it manually.

Press [OK] key again and confirm to delete manager 8102. Then exit to manager clear interface.

```
Admin Clear
▶ ID          008101

ESC-C          Clr-OK
```

Press [OK] key to delete manager continuously. Press [C] key to exit manager clear interface as well.

## 2.5 Setup

[Setup] menu mainly includes [system] , [log setup] and [Hardware Test].

Enter management menu, press [◀ IN] or [OUT▶] key to select [Setup] option.

```
Menu
  User
  ▶ Setup
  System Info
```

Press [OK] key to enter [Setup] sub-menu. Press [◀ IN] or [OUT▶] key to shift menu.

### 2.5.1 Device ID

In [Setup] menu, press [◀ IN] or [OUT▶] key to enter [System] setup option,

```
Setup
▶ System
  Log Setup
  Hardware Test
```

Press [OK] key to enter system setting sub-menu,

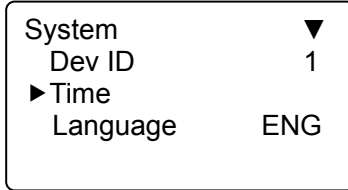
```
System ▼
▶ Dev ID 1
  Time
  Language ENG
```

Prompt: Device ID range is 0-99999999, and default is 1.(Device ID must enter as same as in the communication software), When the device as “0”, must use the

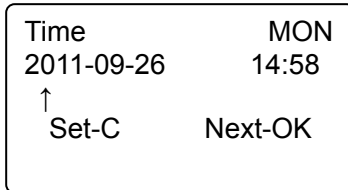
lasted 8 digit of the serial number to communication with software.

### 2.5.2 Time

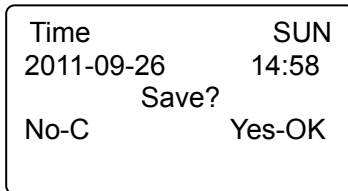
Press [◀ IN] or [OUT▶] key to select [Time] option,



Press [OK] key to enter time setting interface.



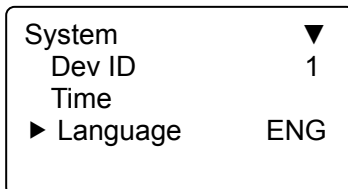
You can press the [OK] key to move the cursor to shift the year, month, day. And use number and [◀ IN] or [OUT▶] key adjust the time. After setting completed, press [C] key and enter system time save interface,



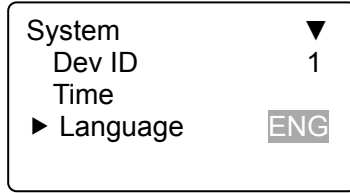
Press [OK] key to save system time. Press [C] key to cancel and exit to upper menu

### 2.5.3 Language

In [System] setup, press [◀ IN] or [OUT▶] key to select [Language] option,

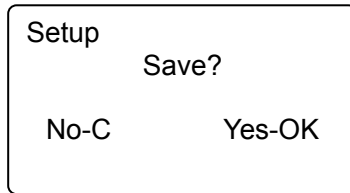


Press [OK] key to enter language setting interface,



You can press [◀ IN] or [OUT▶] key to switchover the language. And press [OK] to confirm.

Then you can continue to do other function settings. And press [C] key to enter setting save interface.

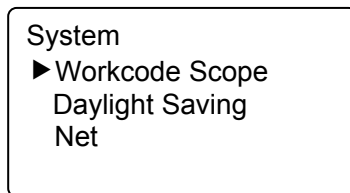


Press [OK] key to save system setting. Press [C] to cancel and exit to upper menu.

#### 2.5.4 Work Code Scope★

Work code is a code for different work. Use for device supply a parameter to label an attendance record as which kind of the work. It is easy for count attendance time for different work. The scope of the work code is: 0-999999. It is an invalid when over this scope.

In [System] setup, press [◀ IN] or [OUT▶] key to select [Work code scope] option,



Press [OK] key to enter work code scope interface,

```
Workcode Scope
Max          999999
Min          0
Set-C       Next-OK
```

When you finish setting, press [C] key enter save interface.

```
Workcode Scope
          Save?
No-C           Yes-OK
```

Press [OK] to confirm and save.

### 2.5.5 Daylight Saving

Automatically switch daylight saving time base on week or date

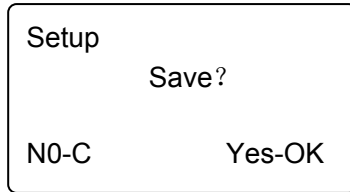
In [System] setup, press [◀ IN] or [OUT ▶] key to select [Daylight Saving] option,

```
System
  Workcode Scope
  ▶ Daylight Saving
  Net
```

Press [OK] key to enter Daylight Saving interface:

```
Daylight Saving
  ▶ Enabled      No
  Format         Week
  Start Time
```

When you enable “Daylight Saving” function you need select week or date format first. Then you need set the time point for “Daylight Saving” start time and end time. And press [C] key enter save interface.

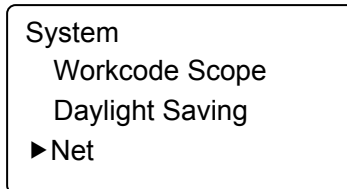


Press [OK] to Confirm and save 。

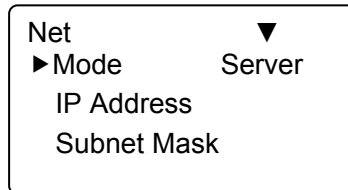
### 2.5.6 Net ★

Network setting main includes [IP Address], [Subnet Mask], [MAC Address] and [Gateway IP] settings.

In [System] setup, press [◀ IN] or [OUT▶] key to select [Net] option,



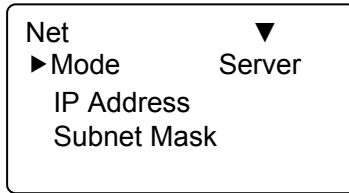
Press [OK] key to enter net parameter interface,



Mode:

There are two modes for networking.

Press [◀ IN] or [OUT▶] key to select **【Server】** or **【Client】**

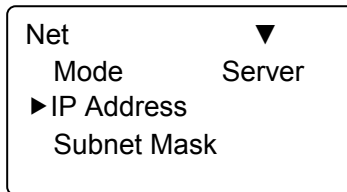


Server: Normal net mode

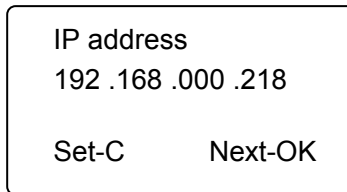
Client: Only communication with the PC which has server IP.

IP Address

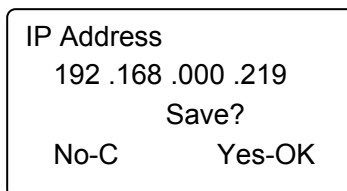
Press [◀ IN] or [OUT▶] key to select [IP address] option,



Press [OK] key to enter IP address setting interface,



Press [◀ IN] or [OUT▶] key or number key to input IP address. Press [OK] key to shift between the 4 segments. After set is completed, press [C] key to enter IP address save interface.

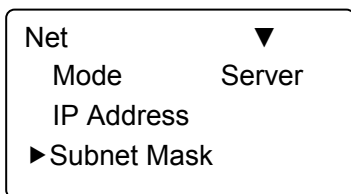


Press [OK] key to save the modification. Press [C] key to cancel.

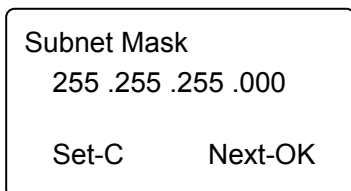
[Subnet Mask]

Press [◀ IN] or [OUT▶] key to select [Subnet mask] option.

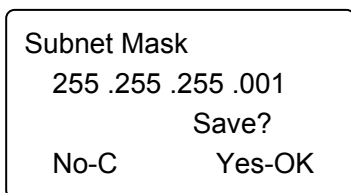




Press [OK] key to enter subnet mask setting interface,



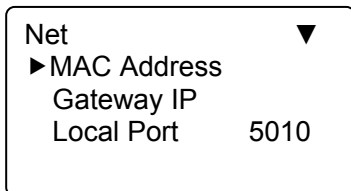
Press [◀ IN] or [OUT▶] key or number key to input subnet mask. Press [OK] key to shift between the 4 segments. After set is completed, press [C] key to enter subnet mask save interface.



Press [OK] key to save the modification. Press [C] key to cancel.

[MAC Address]

Press [◀ IN] or [OUT▶] key to select [MAC address] option.



Press [OK] key to enter MAC address setting interface,

```
MAC Address
051 .247 .188 .066.
084 .215
Set-C      Next-OK
```

Please do not change the MAC address for device.

Press [OK] key to save the modification. Press [C] key to cancel.

[Gateway IP]

Press [◀ IN] or [OUT▶] key to select [Gateway IP] option.

```
Net ▲
MAC Address
▶ Gateway IP
Local Port 5010
```

Press [OK] key to enter gateway IP setting interface,

```
Gateway IP
192 .168 .000 .001
Set-C      Next-OK
```

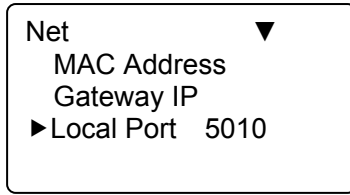
Press [◀ IN] or [OUT▶] key or number key to input gateway IP. Press [OK] key to shift between the 4 segments. After set is completed, press [C] key to enter gateway IP save interface.

```
Gateway IP
192 .168 .000 .219
Save?
No-C      Yes-OK
```

Press [OK] key to save the modification. Press [C] key to cancel.

Local Port:

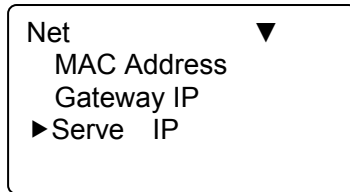
Press [◀ IN] or [OUT▶] to select **【Local Port】** option:



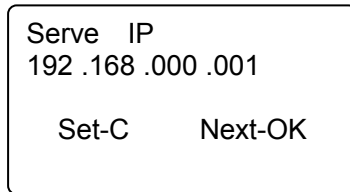
Press [◀ IN] or [OUT▶] key or number key to input port. After set is completed, press [C] key to enter save interface.

Server IP address

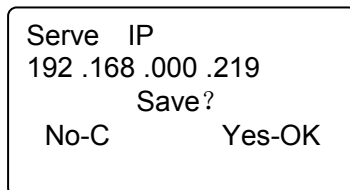
Press 【◀ IN】、【OUT▶】 to select 【Server IP】 option:



Press [OK] key to enter Server IP setting interface,



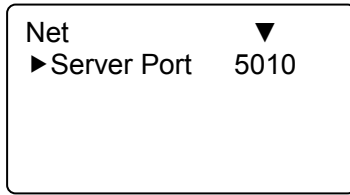
Press [◀ IN] or [OUT▶] key or number key to input server IP. After set is completed, press [C] key to enter save interface.



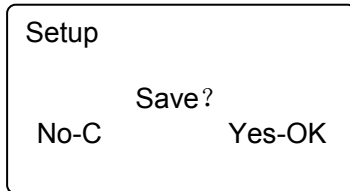
Press [OK] key to save the modification. Press [C] key to cancel.

Server port

Press 【◀ IN】、【OUT▶】 to select 【Server port】 option:



Press [◀ IN] or [OUT▶] key or number key to input server port. After set is completed, press [C] key to enter save interface.



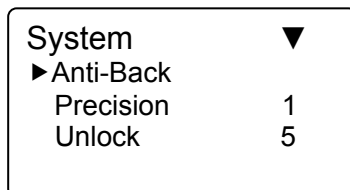
Press [OK] key to save the modification. Press [C] key to cancel.

### 2.5.7 Anti-Back ★

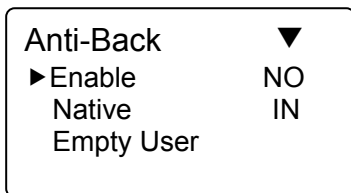
The anti-back feature is designed to prevent misuse of the access control system. The anti-back feature is most commonly used at parking gates and employee entrance doors, where there is both an “in” reader at the entry gate and an “out” reader at the exit gate. The anti-back feature requires that for every use of a card at the “in” reader, there be a corresponding use at the “out” reader before the card can be used at the “in” reader again.

Standalone access control (T60, VF/VP30 etc.) must work with T5s to realize anti-back function.

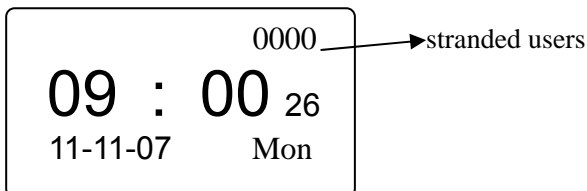
Via [◀ IN] or [OUT▶] select **【Anti-Back】** option:



Press **【OK】** to confirm enter “Anti Pass Back” menu



Enable: Enable or Disable anti-back function



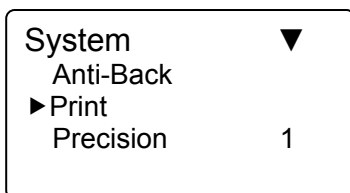
Native: Setting device always as “In” or “Out” states

Empty User: Clear all the stranded user records which have been access in.

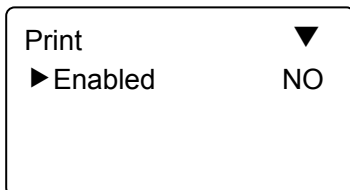
Press [◀ IN] or [OUT ▶] key to setting the anti-back function and press **【OK】** to confirm, then press **【C】** save and exit.

### 2.5.8 Print ★

Via [◀ IN] or [OUT ▶] select **【Print】** option:



Press **【OK】** to confirm



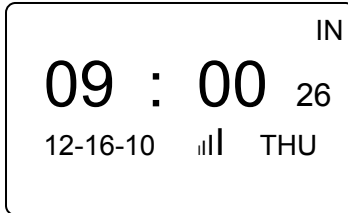
Set up if enabled print function, and then press [C] key to set to be saved.

Printer Settings:

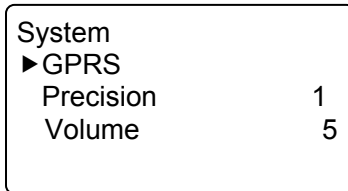
Com Port:	Communication or Print function
Baud Rate:	Baud Rate:19200 for print function
	Baud Rate:57600 for communication function
Output Code	Font coding for Print

### 2.5.9 GPRS★

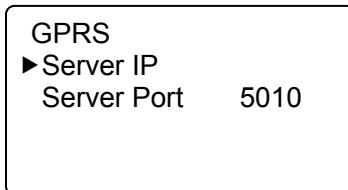
Insert the standard SIM card. The device will search the GPRS signal.



Via [◀ IN] or [OUT▶] select **【GPRS】** option:

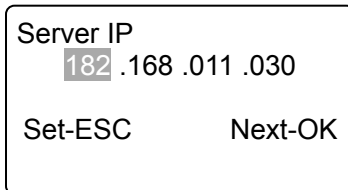


In the GPRS option there are two options:



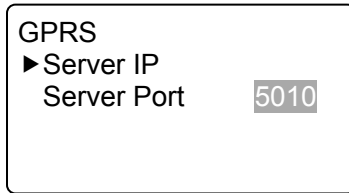
Server IP: The server IP is the Public IP address (it is from ISP). It is the PC Server IP that the T60 device will connected with.

Press “OK” to enter IP setting interface. And input public IP address.

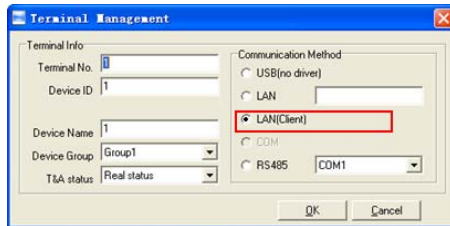


Server Port: The port is the software communication port. The device will send the

attendance data and get commands via this port to attendance software. (The default port is 5010)



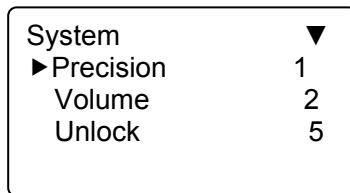
The next step need set the software. In the Prjcomm.exe software interface, Please add a terminal first. Please notice you just select “ LAN(Client)” mode for device GPRS communication.



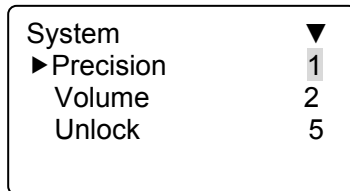
### 2.5.10 Matching Precision ★

There are three fingerprint matching precision levels (0, 1, and 2). 0 is lower precision (Basic) .1 is standard precision (Good). 2 is high precision (Excellent).

Press [< IN] or [OUT>] key to select [Precision] option.



Press [OK] key to enter precision setting interface,



Press [◀ IN] or [OUT▶] key or number key to adjust the precision. Press [OK] key to confirm. Then press [C] to save the setting.

### 2.5.11 Volume ★

There are five levels for device's volume, 0-mute, MAX-5

In [System] setup, press [◀ IN] or [OUT▶] key to select [volume] option,

System	▼
Precision	1
▶ Volume	2
Unlock	5

Press [OK] key to enter volume setting interface, Press [◀ IN] or [OUT▶] key set the volume. Press [OK] key to confirm. Then press [C] to save the setting.

### 2.5.12 Unlock ★

Lock delay is the time range since lock open to close after user access granted. 'No' means no delay and the max delay time is 15 seconds.

Press [◀ IN] or [OUT▶] key to select [Unlock] option,

System	▼
Precision	1
Volume	2
▶ Unlock	5

Press [OK] key to enter delay time setting interface,

System	▼
Precision	1
Volume	2
▶ Unlock	5

Press [◀ IN] or [OUT▶] key or number key to input delay time. Press [OK] key to confirm. Then press [C] to save the setting.



### 2.5.13 Door Alert ★

Door alert use for monitor lock whether was closed after user access. If lock does not close the device will alarm out. The delay time for door alert is 1-99 sec and “No” means disable the door alert function.

Press [◀ IN] or [OUT▶] key to select [Door Alert] option,

System	▼
▶ Door Alert	No
Ring	No
Auto Off	10

Press [OK] key to enter door alert setting interface,

System	▼
▶ Door Alert	No
Ring	No
Auto Off	10

Press [◀ IN] or [OUT▶] key or number key to input door alert value. Press [OK] key to confirm. Then press [C] to save the setting.

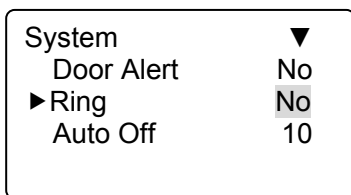
### 2.5.14 Ring ★

Ring is the time range for ring delay. “No”- no delay with ring, the max is 15 sec.

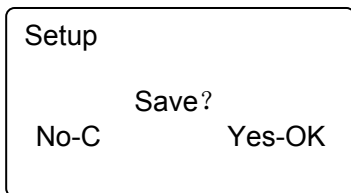
Press [◀ IN] or [OUT▶] key and shift to [Ring] option,

System	▼
Door Alert	No
▶ Ring	No
Auto Off	10

Press [OK] key to enter Ring setting interface,



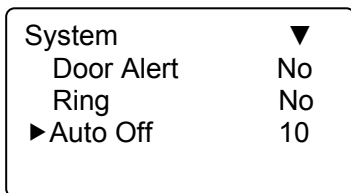
Press [◀ IN] or [OUT▶] key or number key to input delay time value. Press [OK] key to confirm. Then press [C] to save the setting and press [OK] to be saved.



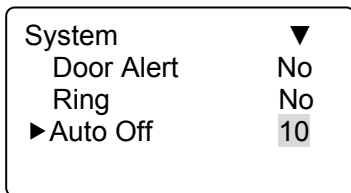
### 2.5.15 Auto Off

Auto off is the time period from the last operation on device to coming into dormancy status. Time range is 1-250 minutes. 'No' is no dormancy forever.

Press [◀ IN] or [OUT▶] key to select [Auto off] option.



Press [OK] key to enter auto off setting interface,



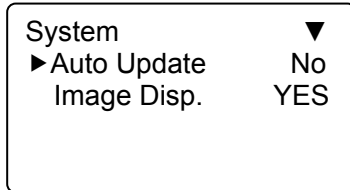
Press [◀ IN] or [OUT▶] key or number key to input dormancy time. Press [OK] key to confirm. Then press [C] to save the setting.

### 2.5.16 Auto Update ★

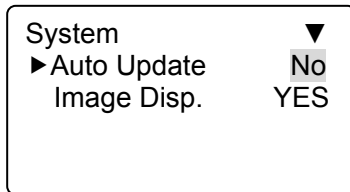
Update the fingerprint template intelligently: During fingerprint sensor

identification process, the sensor replaces the lowest-quality data with new, higher-quality data that it acquired in the matching process. This enables the sensor to maintain high quality data at all times, saving the user from repeated authentication attempts.

Press [◀ IN] or [OUT▶] key and shift to [Auto Update] option:



Press [OK] key to enter auto off setting interface:

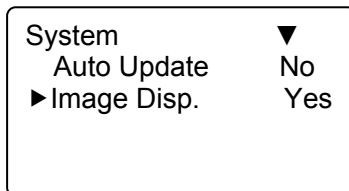


Press [◀ IN] or [OUT▶] key to choose 'Yes' or 'No', and then press [OK] key to confirm. Then press [C] to save the setting.

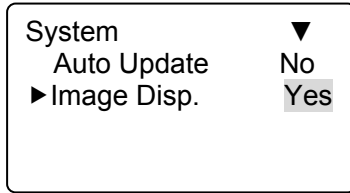
### 2.5.17 Image Display ★

Whether display the fingerprint image on the LCD after user access granted.

In [System] setup, press [◀ IN] or [OUT▶] key to select [Image Disp.] option,



Press [OK] key to enter setting interface:

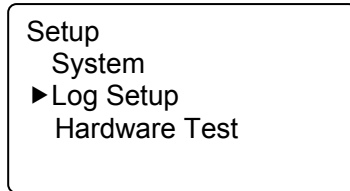


Press [◀ IN] or [OUT▶] key to choose 'Yes' or 'No', and then press [OK] key to confirm. Then press [C] to save the setting.

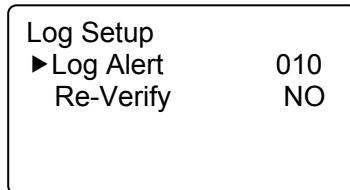
#### 2.4.18 Log setup

Log warning number has the highest limit of 5000. When the available records memory is less than the "Glog Wrn", system will prompt corresponding operation.

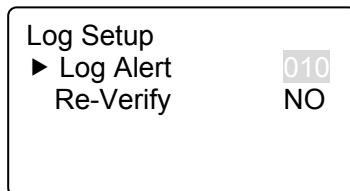
Press [◀ IN] or [OUT▶] key to select [Log Setup] option.



Press [OK] key to enter sub-menu,



Press [◀ IN] or [OUT▶] key to select [Log Alert] option. Press [OK] key to enter log alert setting interface.



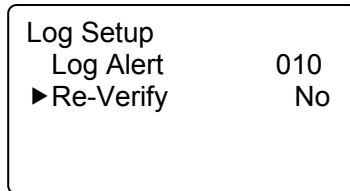
Press [◀ IN] or [OUT▶] key or number key to input log warning number. Press

[OK] key to confirm. Then press [C] to save the setting.

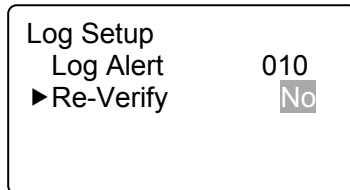
### 2.5.19 Re-Verify time

The Re-verify time is the time interval in which you make continuous records with the same finger (1-250 minutes), and then the device will only save the first record. If the re-verify value is "NO", it means that you every record saved in the device.

In [Log Setup] menu, press [◀ IN] or [OUT ▶] key to select [Re-Verify] option,



Press [OK] key to enter re-verify setting interface,



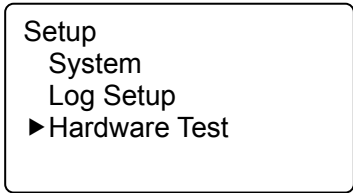
Press [◀ IN] or [OUT ▶] key or number keypad to input time. Press [OK] key to confirm. Then press [C] to save the setting.

Prompt: If the same finger is identified continuously in re-verify time period, only the first record will be saved in device memory.

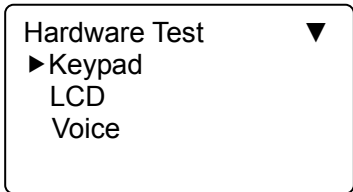
### 2.5.20 Hardware Test

Test the functions of machine keys, LCD, voice, scanner and Flash.

Select [Hardware test] option in [Setup] menu:

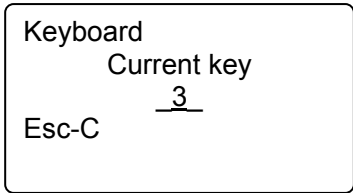


Press [OK] to enter setting interface as following:



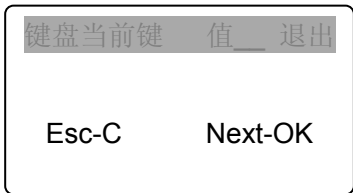
Press [◀ IN] or [OUT▶] key to choose testing option and press [OK] key to start.

Keyboard: press [◀ IN] or [OUT▶] key to select [Keyboard] option, and press [OK] to enter keyboard testing interface. Then press any key to start keys testing (i.e. press key 3, if interface shows current key as 3, it indicates the key 3 works.)



Press “C” exit the test

LCD: Press [◀ IN] or [OUT▶] key to select [LCD] option, and press [OK] to enter LCD testing interface.



Press “C” exit the test

Voice: Press [◀ IN] or [OUT▶] key to select [Voice] option, and press [OK] to enter voice testing interface. ★

```
Voice
      Section    04-17
      Esc-C
```

Sensor: Press [◀ IN] or [OUT▶] key to select [Sensor] option, and press [OK] to enter sensor testing interface. ★

```
Sensor
      LUM        130
      Esc-C      Adapt-OK
```

Press “C” exit the test

Flash: Press [◀ IN] or [OUT▶] key to select [Flash] option, and press [OK] to enter flash testing interface.

Two steps: 1. Erase all data; 2. Check

```
Step 1
      Erase All Data
      Continue?
      Esc-C      Yes-OK
```

```
Step 2
      Check...    10%
```

After checking completed, the interface will show the checking result,

```
Flash
      Flash OK!
      Esc-C
```

After each test are finished, press [C] key to exit.

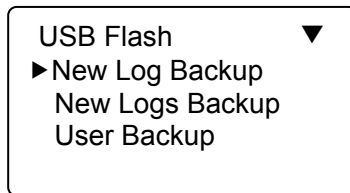
## 2.6 USB Flash ★

Put U flash driver into terminal USB port and press [M] to management menu. Select [USB Flash] Press [OK] enter sub menu.

### 2.6.1 New Log Backup

Download the new records into U flash driver.

Press [< IN] or [OUT>] key to select [New Log Backup] option, press [OK] key to download the new attendance record.



After back successful, Press [C] key exit to upper menu.

The new record file stores in the BAK.KQ file which under G:\00000001 directory.

[G]: The driver letter of the USB flash driver; [00000001]: is the terminal device ID.

### 2.6.2 All Log Backup:

Download all the records into U flash driver. All attendance files store in the BAK.KQ file which under G:\00000001 directory.

Prompt: Please copy the backup record files to another direction of the local PC, Otherwise running [All Log Backup] will instead backup files.

### 2.6.3 User Backup:

Download user information and fingerprint template to USB flash driver, the backup file store in BAK.YG and BAK.ZW file under G:\00000001 directory.

### 2.6.4 User Reco!



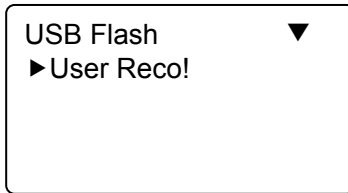
Recover the user information back to the terminal from USB flash driver.

There are two methods for recover the data:

Copy BAK.YG and BAK.ZW files to root direction of the USB flash driver, and put USB flash driver into terminal USB port to recover the records;

Through USB flash driver management software export employee information to root direction of the USB flash driver, will generate BAK.YG and BAK.ZW two files, then put USB flash driver into terminal USB port to recover the records

Press [◀ IN] or [OUT▶] key to select [User Reco!] option, press [OK] key to recover the user records.

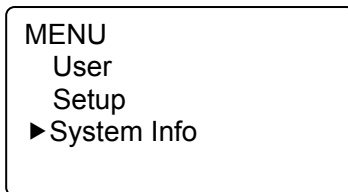


After recover, Press [C] key exit and back to upper menu.

## 2.7 System info ★

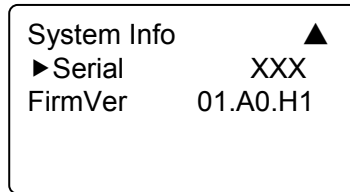
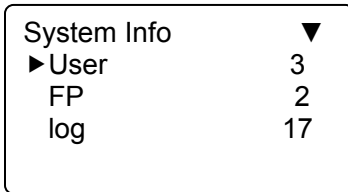
System info shows the current usage status of device, such as user quantity, fingerprint quantity, records quantity and the firmware version etc.

In management mode, press [◀ IN] or [OUT▶] key and shift to [System Info] option,



Press [OK] key to enter system info interface, and check info of correct operated

device. ★



User: Registered user number in device

FP: registered fingerprints number. Select it and press [OK] key and you can check the password and card number . ★

Log: The number of the attendance record stored in the device.

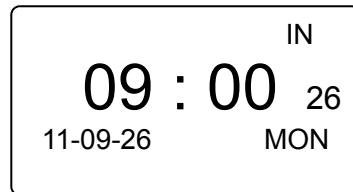
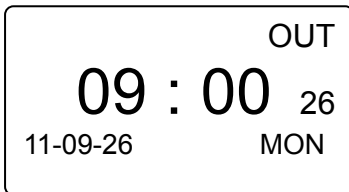
Serial: The unique identifier of the device and cannot be modified.

FirmVer: the firmware version of program which write in EROM or EPROM (Programmable read only memory). So called firmware is firm program saved in integrated circuit firmly, responsible for controlling and dealing with integrated circuit.

After checking completed, click [C] to exit.

## 2.8 T&A status setting

Press [< IN] or [OUT >] key to shift attendance status. System default statuses are IN, OUT.



## 2.9 Shut down

In time attendance status, keep pressing [OK] key until interface shows as following,



Then device will shut down.

Notice: If external power is connected, you can press [OK] key to power on device.

# Chapter 3 System Installation

This chapter mainly discusses the installation and un-installation of T&A software as well as the hardware and operation system requirement.



### 3 System Installation

First we should install background management software on the computer. Please refer to the following steps:

#### 3.1 Running Environment

Hardware environment:

Pentium II 266 and above; Pentium III 500 and above is recommended;

128 Memory and above; Minimum 100M hardware space;

COM Port;

CD-ROM (CD-ROM needed in installation);

VGA support 800\*600 resolution and above;

Operating system:

Microsoft Windows 2000/ XP (recommended);

Microsoft Windows Vista;

Microsoft Windows 7;

#### 3.2 System Installation

Please insert CD-ROM and the disc will automatically run the Guide interface. If not, please run Guide interface.exe in the root directory of the disc. The following window will pop up:



Click [Installation] to continue installation (see the picture below):



Please select local dialect:



Select installation path, default as: "D:\\" click "Next month":



Please confirm the installation list and click "Install"




Click “Yes”



The installation will be done after seconds (see the picture below):



Click [Finish] to close the installation program and an icon [  ] will be added to the desktop. And [AIM management software ] will be added to [All Programs]

# Chapter4 Background Management

The main theme of this chapter is how to collect attendance records from different terminals with management software and generate different reports. The background software can manage employee information, set rules of attendance etc.




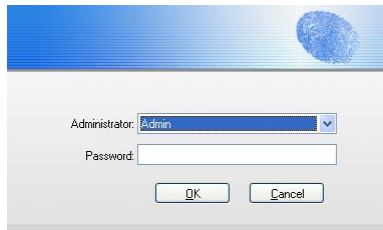


## 4 Background Management

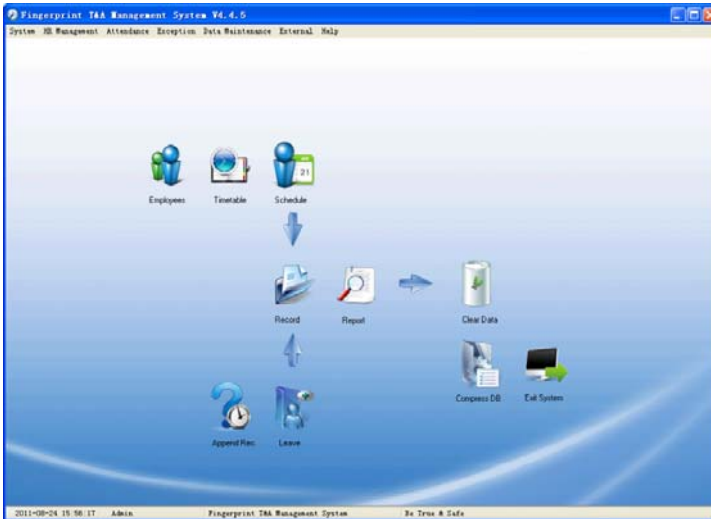
Management software can collect attendance records from different terminals, calculate according to shift setting and finally generate different reports. The background software can manage employee information, set rules of attendance etc.

### 4.1 Log in System

Double click the icon [  ] on the desktop to start the attendance background management program. The log-in interface will pop up as follows:



The default administrator's name is "Admin" and password is empty. Log in system and the following interface will be displayed:

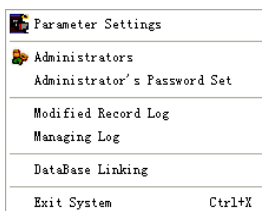


The main interface includes three parts:

1. System menu: Include the whole function module & information
2. Shortcut button: Shortcut button of common function module, array in working order, easy to work on
3. Status column: Show the current time, logged-in administrator and system information.

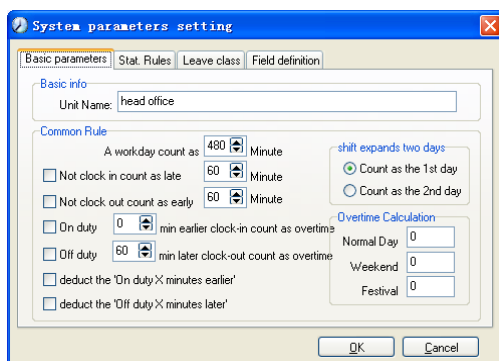
## 4.2 System

Click [System] on the main menu, following springs:



### 4.2.1 Parameters Settings

Click [Parameters Settings] in system menu. The following window will prompt:



Pic4.1

Basic parameters:

Set your company name, the default is "Head office"

Input your company name that will be deemed as the head of departments list.

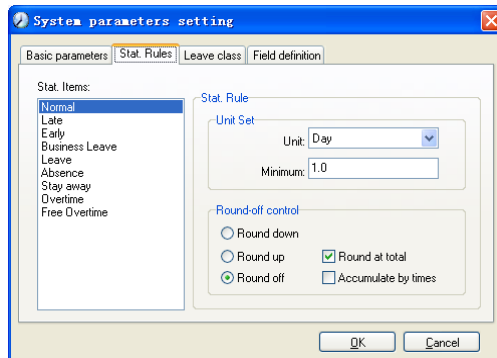
A working day count as how many minutes is the base for time attendance calculation which will be the transition standard to calculate the late to work/early to leave /free overtime items, minute is the good transition standard of hours and working day.

“Late for work as how many minutes” can be set when no clock-in on duty, “early to leave as how many minutes” when no clock out for off duty. Free overtime work can also be calculated on the base that how many minutes working after off duty time.

“Shift expand two days” is set under real condition.

Stat. Rules:

Click page [Stat. Rules] in pic4.1, following shows:



This page describes the stat. rules of items: normal, late, early, business leave, leave, absence, overtime, free overtime.

Accumulate by times: Only calculate the total times, display the accumulated times in report.

Round at total: Add up the total time and then round according to corresponding unit.

Round down: Abandon the decimal regardless it is. For example, if the minimum calculation unit is 1 day, if the accumulated time is 1.1 days or 1.9 days, the result of calculation is 1 day.

Round up: Add one unit regardless the decimal is. For example, if the minimum calculation unit is 1 day, if the accumulated time is 1.1 days or 1.9 days, the result of calculation is 2 day.

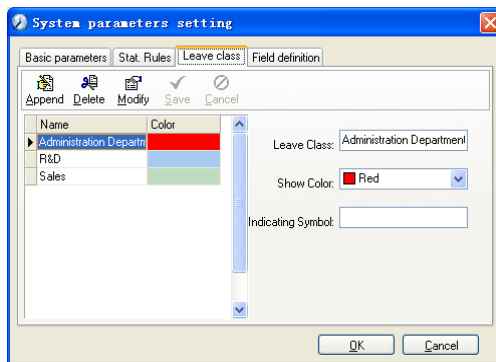
Round off: If the decimal is equal to or over 0.5, add one unit, or else, abandon it.

Notice: the setting of stat. Rules above will directly affect the statistical result

Please make above setting according to the true status of your company to ensure the accuracy of reports.

Leave class:

Click page [Leave class] in pic4.1, following shows:



Add new leave class:

Click [Append], input the name of leave class and choose color and click [save] to finish.

Revise leave class:

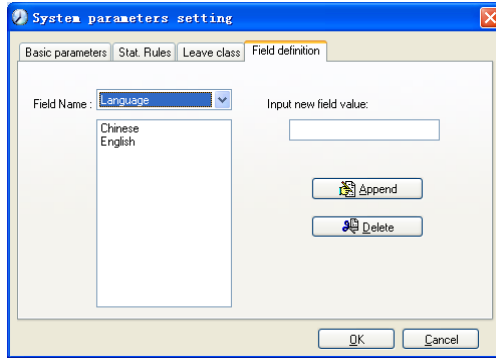
Select the name of leave class which one need to be revised, click [Modify], input new name of leave class and color, and click [Save] to finish.

Delete leave class:

Select the name of leave class which one need to be deleted, click [Delete], and click [OK] to finish.

Field definition:

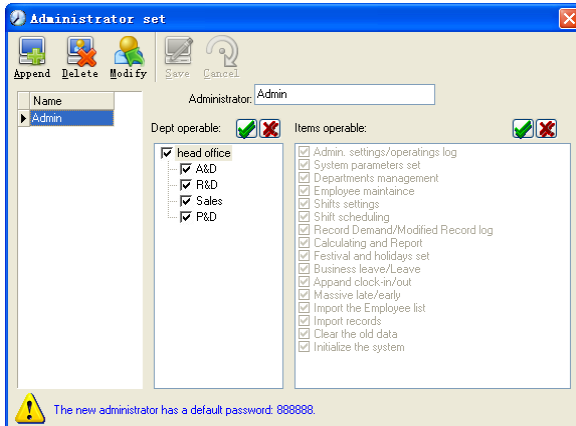
Click page [Field definition] in pic4.1, following shows:



This page add the corresponding value for [Nation], [Specialty], [Position] [Education] in menu [Employee maintenance].

#### 4.2.2 Administrators

Click [System]-[Administrators], following window shows:



Append new administrator:

Click [Append]—input the name of new administrator within input field.

Of [Administrators], select corresponding privileges below and click [Save] to finish adding of new administrator. The default password of new administrator is 888888. Please log in as the new registered administrator and click menu [System] -- [Administrator's password set] to set new password of administrator for system security.

Note:

1. Before you using the administrator mode, you need to set the privileges for every administrator with which the administrator can modify the operation items after he log in the software; there are all the items in the "Items operable" list in above picture, such as "Employee maintenance, Shifts settings, Calculating and Report"; we can set different privileges for different administrators so as to divide and manage the task systematically.

2. After you add a new department, you must modify the privileges of the "Department operable" for the administrators (select the new department in the "Department operable" list and save), who will have the privileges to modify the new department, and then you may do other operations.

Modify administrator:

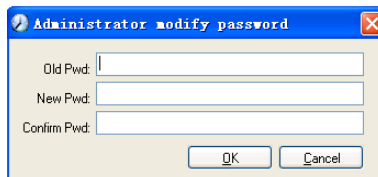
Select the name of administrator, click [Modify], input new name of administrator and corresponding rights in [Administrator] and click [Save] to finish.

Delete administrator:

Select the name of administrator who will be deleted and click [Delete] to finish deleting according to the prompt.

#### 4.2.3 Administrator's Password Set

Click menu [System]--[Administrator's Password Set], following springs:

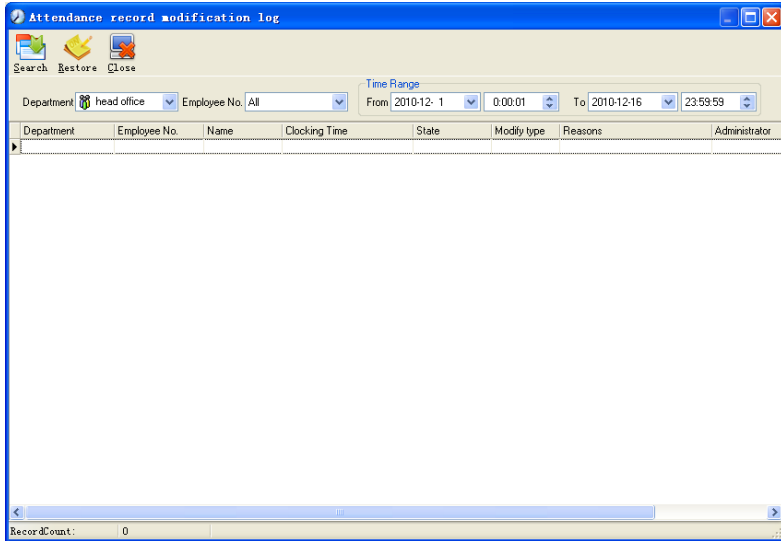


The image shows a dialog box titled "Administrator modify password". It contains three text input fields labeled "Old Pwd:", "New Pwd:", and "Confirm Pwd:". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

Input the original password in [Old Pwd], enter the new password in [New Pwd], enter again in [Confirm Pwd] and click [OK] to finish.

#### 4.2.4 Modified Record Log

Click menu [System]--[Modified Record Log], following springs:



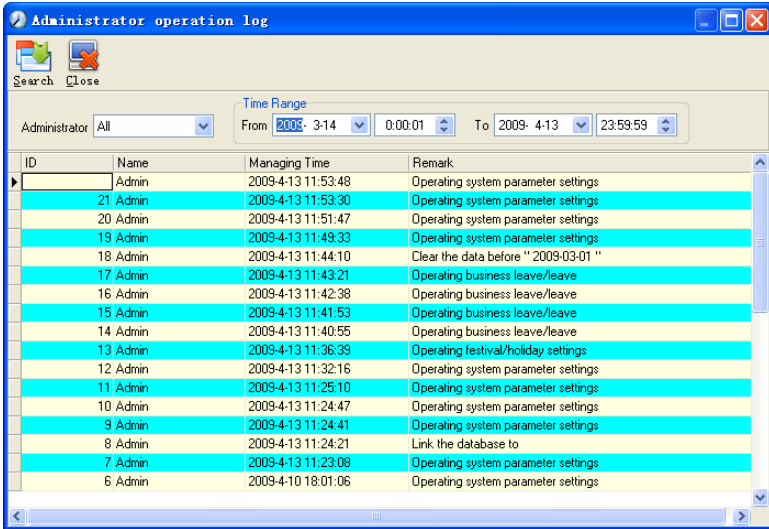
Select department, employee No. and time range and click [Search] and those records which match the above condition will be displayed.

Notice: Modified record log shows all the time attendance record modifications; If there's record that has been revised incorrectly before, it can be recovered by selecting this record and clicking [Restore].

Click [Close] to exit.

#### 4.2.5 Managing Log

Click menu [System]--[Managing Log], following springs:

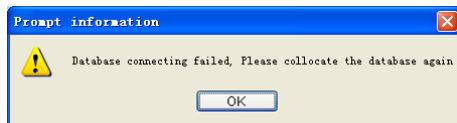


This log records all the operations of every administrator. Select [Administrator] and the time range then click [Search] to see what operations have been done by this administrator within the selected time range, which makes it possible that the multi-administrators can use the software at the same time.

#### 4.2.6 Set Database Link

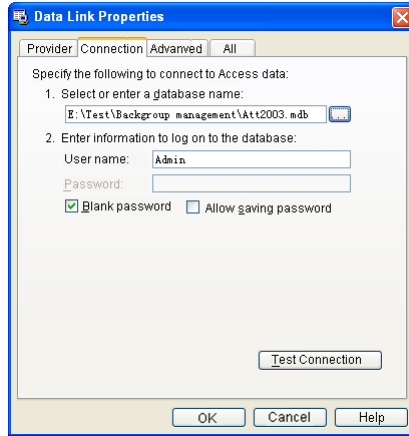
This system adopts the database interface of Microsoft ADO. The acquiescence database is Access2000. The defaulted is att2003.mdb under the main setup directory. You can set up the database linking again according to the actual conditions.


When the following mistake appears, you should link database again:



Click [Database linking] in system menu, the following springs.





Input the database name or click the  button to select the correct database file.

Notice: You can click [Test connection] to test the connection correctness of the database.

#### 4.2.7 Exit System

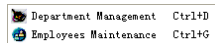
Click [Exit System] in System menu. The following menu springs:



Click [OK] to exit management software and return to Windows system.

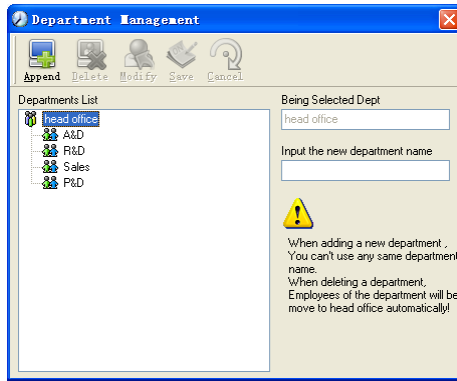
#### 4.3 HR Management

Click [HR Management] on the main menu, following springs:



##### 4.3.1 Department Management

Click [Department Management] in the [HR Management] menu, springs the following window:



Add a new department:

Click [Append], input the new department name and click [Save] to add a sub department for the chosen department.

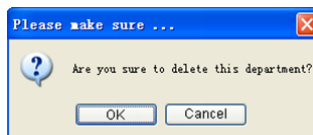
Note: when you want to do some other operations to the new department, you need to set the privilege of modifying the new department for the administrator in the [administrator set] first (choose the new department you just added in the “Department operable”).

Department modification:

Choose the department, click [Modify] and input the new department name, then click [Save].

Delete the department:

Choose the department, click [Delete] and then click [OK] to complete.

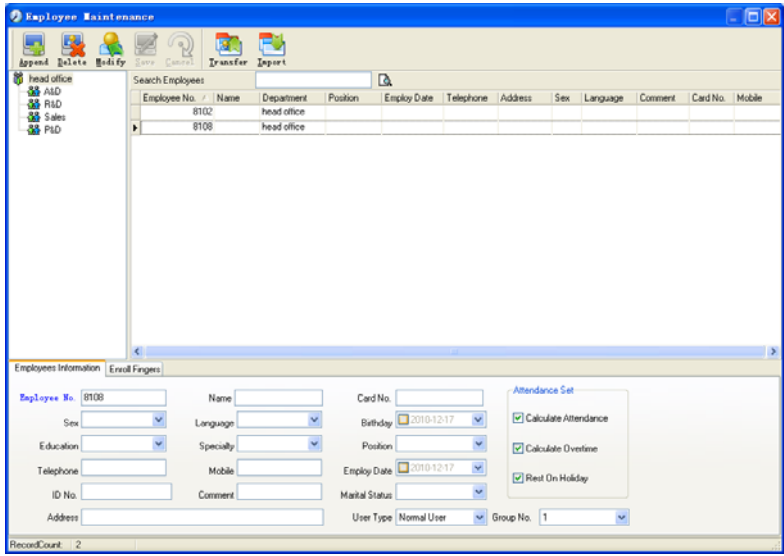


Notice: repetition of department name is not allowed; if there are employees existing in the deleted department, those employees will be automatically transferred to

department of head office.

### 4.3.2 Employees Maintenance

Click [Employees Maintenance] in [HR Management] menu, the following window appears:



Employee's adding:

Choose the department that the employees belong to, clicks [Append], and input employee's information, then click [Save] to complete.

Note: 1. The items of "Calculate attendance", "Calculate overtime", "Rest on holiday" below "Attendance Set" is correlated with report, please set it correctly. If the checkbox of "Calculate Attendance" of this employee is not checked, there will be no statistical result for this employee in the report. If checkbox "Calculate Overtime" is not checked, the statistical result of overtime of this employee will be 0, unless he had [Temporary Shifts] which defines as overtime working; If the checkbox of "Rest On Holiday" is not checked, holidays will make no effect on the shifts for this employee; if the checkbox of "Rest On Holiday" is checked, thus for those holidays, even there are shifts on those days for the employee, those shifts will be invalid. And if there are time attendance records of this

employee, those records will be deemed as free overtime.

2. Employee No. is exclusive as well as the first digit cannot be 0!

Employee's modification:

Choose the employee, click [Modify] and input the new information, then click [Save].

Employee's deletion:

Choose the employee; click [Delete] and then click [OK] to complete.

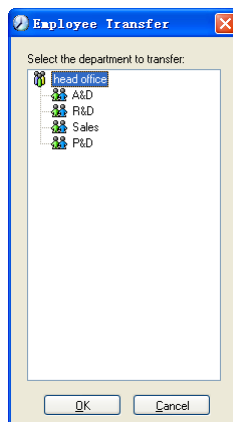
Please be cautious when delete the employee since all this employee's time attendance records, shift arrangement will be deleted at the same time.

Import employees:

Click [Import], employee importation window springs for importing employees.

Employee's department shifting:

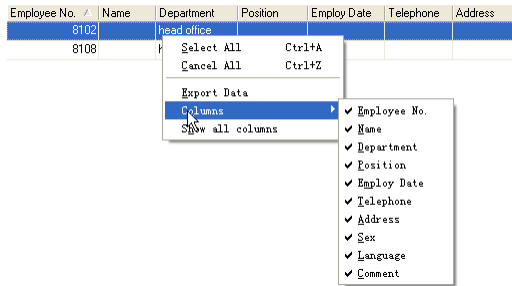
Choose the employee you want to shift the department click [Transfer] and following window will pop up:



Select the new department and click [OK] to complete.

Export Employee:

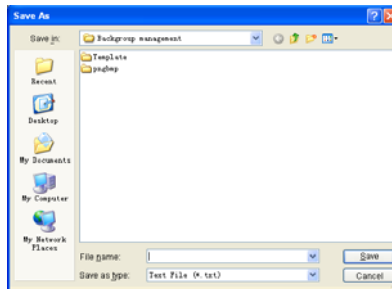
Right-click on employee list and the following window pops:



All displayed fields in employee info list can be defined through submenu of “Column”. Meanwhile, the modification will take effect and be saved.

Click [Show all columns] to display all fields in the list.

Click [Export Data] and following window will prompt:





Please select your target directory of your export, file format (txt or xls) and the file name. Click [Save] to confirm the operation.

Notice: Exported Excel file can be used as backup information and can be imported again.

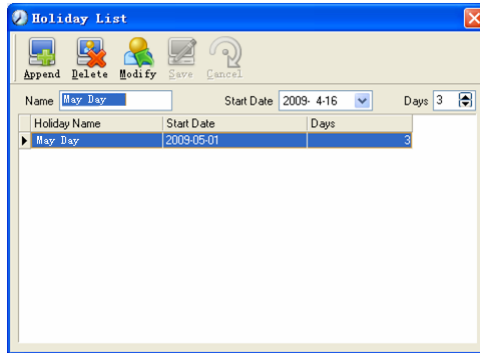
#### 4.4 Attendance Management

Click [Attendance] in the main menu, following springs:

Holiday List		
TimeTable and Shift	Ctrl+B	
 Staffer Scheduling	Ctrl+P	
Attendance Record		
 Attendance Calculating and Report	Ctrl+R	

#### 4.4.1 Holiday List

Click [Holiday List] in [Attendance] menu. The following appears.



Add festivals or holidays:

Click [Append] then input the festival or holiday name and the rules. Click [Save] when ready.

Modification of festivals or holidays:

Select the festivals or holidays you want to revise, then click [Modify] and input the new information. Click [Save] when ready.

Deletion of festivals or holidays:

Select the festivals or holidays you want to delete, and then click [Delete] to perform Deletion of festivals or holidays.

#### 4.4.2 Timetable and Shift

The relationship between shift and timetables:

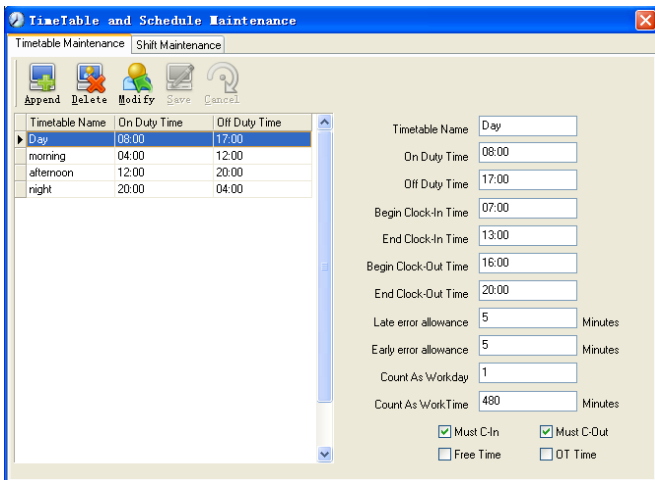
Shift setup should be done in two steps: First, setup necessary timetables. Second,

setup shifts. One or more timetables can be included in one shift.

Timetable is the time period between On-duty and Off-duty required in the company rule. For instance, the company rule requires the working hours be 08:00-12:00 and 13:00-17:00; so 08:00-12:00 and 13:00-17:00 are two timetables. If such a shift needs to be setup, these two timetables should be setup first. Here, we use time table “morning” to indicate “08:00-12:00” and time table “afternoon” to indicate “13:00-17:00”; so two timetables have been setup. (Please refer to the following chapter for details of how to add time tables) and then we can add a shift such as “Normal shift” in which “shift cycle” and “cycle unit” will be setup. Then we should add two timetables - “morning” and “afternoon” so that a shift setup is completed. Brief introduction is mentioned here for you to get a general picture of the relationship between timetable and shift. The details of shift setup will be found in the next two sections.

Timetable maintenance:

Click [Timetable and Shift] in [Attendance] menu. The following window appears.



Pic4.2

Add a new timetable:

Click [Append] and enter the corresponding information:

[Timetable Name] For instance: Day Shift

[On duty Time] (08:00)

[Off duty Time] (17:00)

[Begin Clock-in Time] (07:00)

[End Clock-in Time] (13:00)

[Begin Clock-out Time] (16:00)

[End Clock-out Time] (20:00),

[Late error allowance] (5)

[Early error allowance] (5)

[Count as work day] (1)

[Count as work time XXX minutes] (480).

Tick [Must C-In] and [Must C-out],

Finally click [Save] to confirm.

(Please note: Every item should be setup in timetables with no blank left.[Begin Clock-in Time]and[End Clock-in Time]setup the valid time period for clock-in. Records out of this time range will be treated as invalid ones. For instance [Begin Clock-in Time] is 07:00 and [End Clock-in Time] is 13:00. If clock-in record is 07:01 or 12:59, they are valid records but if clock-in record is 06:59, it is invalid. Besides, [Begin Clock-in Time] and [End Clock-in Time] can be more than one day (meaning [End Clock-in Time] can be before [Begin Clock-in Time]) but it can't be longer than 24 hours.

[Late error allowance] means how many minutes after [On duty] are treated as "late", [Early error allowance] means how many minutes before [End Clock-in Time] are treated as "early"; [Count as work day] and [Count as work time XXX minutes] are used in calculating business leave, leave, absence and overtime.

Checking [Must C-In] and [Must C-out] or not will affect the result of calculation. If [Must C-In] is checked and the timetable is included of Employee A's shift, he will be either considered absence or treated according to [Not clock in count as late XXX minutes] in [Parameter Settings] If he didn't clock in or ask for leave. Otherwise, even if there is off duty record for him only, his attendance will be treated as normal.

The timetable Modification



Select the timetable name you want to revise, and click [Modify], then input the new information, clicks [Save] when finished.

#### The timetable Deletion

Select the timetable you want to delete, click [Delete], and click [OK] to make sure.

(Please note: Begin Clock-in Time and End Clock-in Time makes the valid time range for Clock in. Clock in out of this time range will be treated as invalid records. It is the same with Clock-out time. Please setup in accordance with practical situations.)

Example——Add a timetable:

Complete process for adding four timetables:

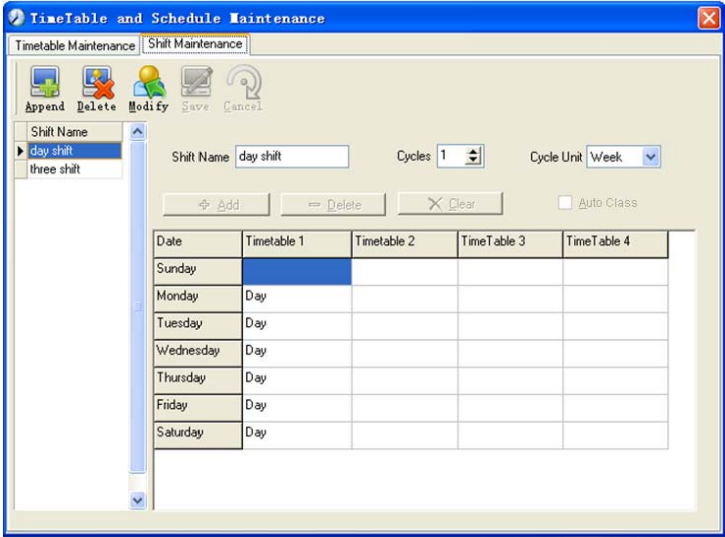
Day shift 08:00 - 17:00      Morning shift 04:00 - 12:00

Noon shift 12:00 - 20:00      Night shift 20:00 - 04:00

(Other information can be setup according to practical situations. Please refer to Pic4.2. Please note there should be no blank left.)

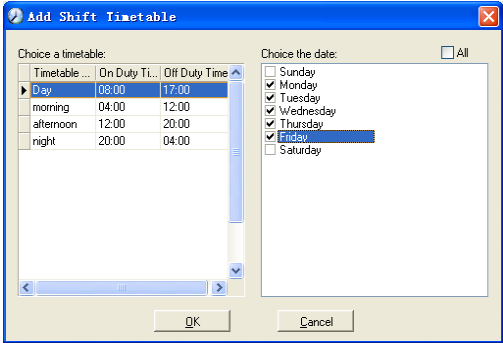
#### Shift Maintenance

Click [Shift Maintenance] in Pic4.2 and the following window pops up:



Add a shift:

Click [Append] and enter corresponding shift information in [Shift Name] such as: normal shift [Cycle] (1), [Cycle Unit] (week), and click [Add], select the timetables and time range required in this shift in the springing window (see the Pic4.3 below) For instance, select the timetable – Day shift and select from Monday to Friday and then click [OK], back to this window and click [Save] to complete. (Please refer to the example for details.).



Pic4.3

Delete the timetable: Select the timetable you want to delete and click [Delete].

Clear the timetable: Clear all the timetables of the shift.

Arrange the shift automatically: when an employee has several shifts during one period, he need to finish all the shifts if it is not arranged the shifts automatically otherwise he will be regarded as absence; if you select the [Arrange the shift automatically], just finishing one shift of the period is reared as normal attendance.

Modify a shift:

Select the shift to be modified and click [Modify], and enter new information in [Shift Name] etc., click [Save] to complete.

Delete a shift:

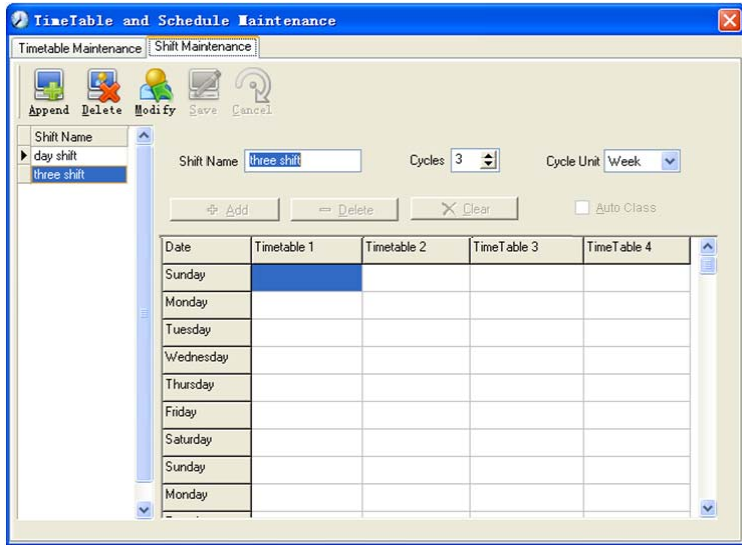
Select the shift to be deleted and click [Delete].

Example---Three shifts:

Add “Three shifts” Shift (Please note: It is assumed that the shift goes around every week, cycle every three weeks and employee is on holiday every Saturday and Sunday.)

Step 1:

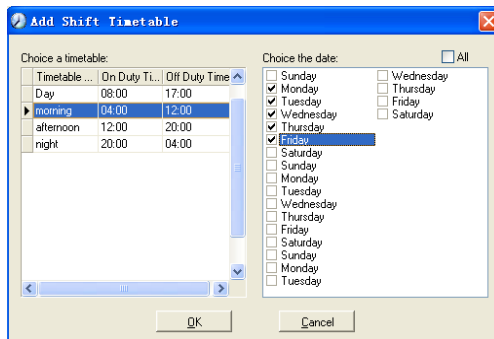
Click [Append], enter “Three shifts” in [Shift Name], set [Cycle] to “3” and [Cycle Unit] to “Week”. Please see the picture below:



## Step2

Add corresponding working hour timetable in accordance with “Cycle”: first week (morning shift, from Monday to Friday)

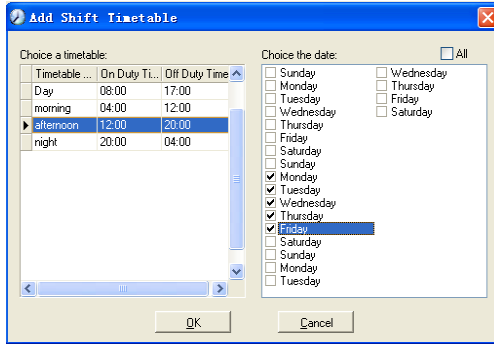
Click [Add] and the following window pops up:



Select the timetable “Morning shift” to be added and select the time range to apply to this timetable “from Monday to Friday of the first week” and click [OK] to complete the setting of the first week.

The second week (afternoon shift, from Monday to Friday)

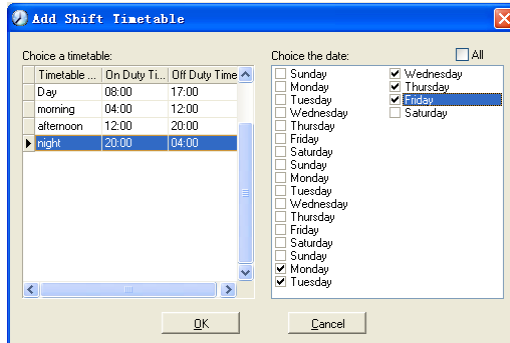
Click [Add], make corresponding operation in the springing window (see the result below):



Click [OK] to complete the working hour setting for the second week.

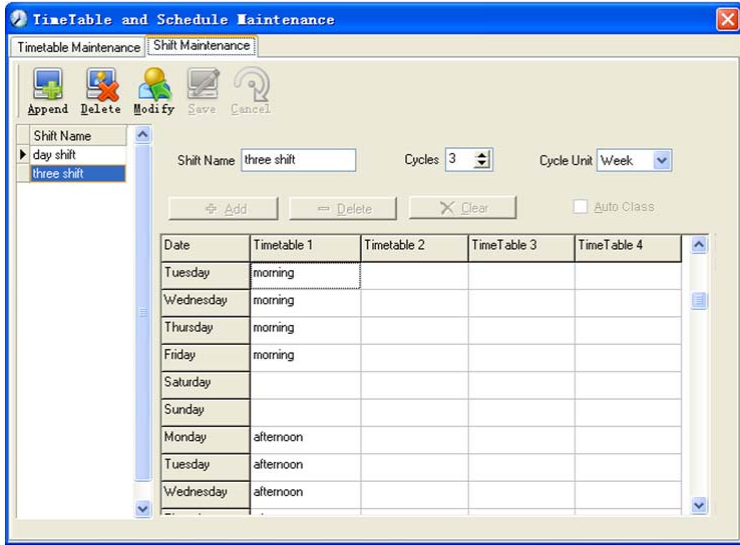
The third week (night shift, from Monday to Friday)

Click [Add], make corresponding operation in the springing window (see the result below):



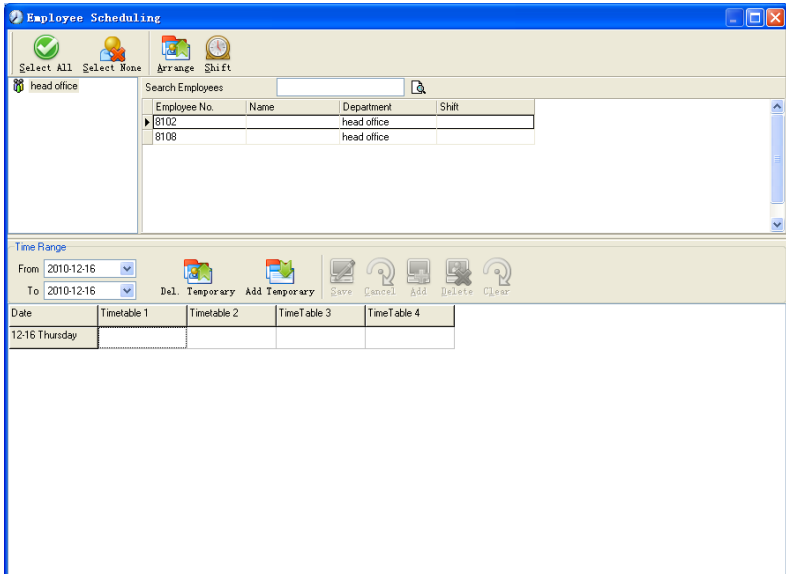
Click [OK] to complete the working hour setting for the third week.

After the completion of above steps, please don't forget to click [Save] and the setup of "three shifts" will be done (see the picture below):



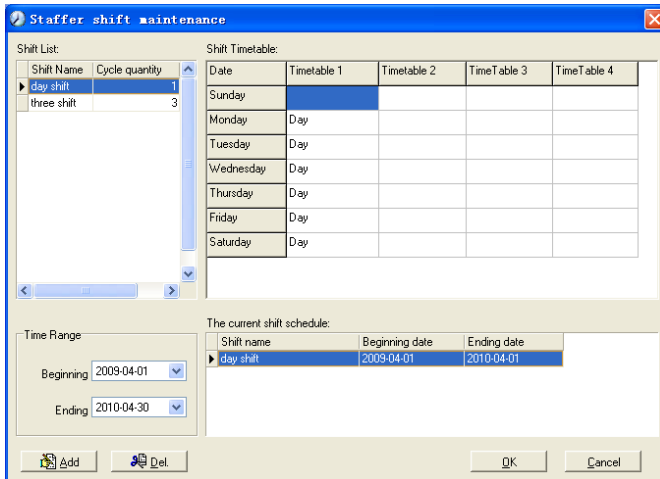
### 4.4.3 Employee Scheduling

Click [Employee Scheduling] in [Attendance] menu. The following window appears:



Pic4.4

Choose the department or several personnel that need to arrange shifts, click [Arrange], the following window appears:



Pic4.5

Add a new shift:

Select the corresponding shifts, for instance: The commencement date and deadline of this shift of “normal class ”, click [Add] button and then click [OK] in Pic4.5 to finish the adding of new shifts.

Please note:

If the cycle unit of scheduling is “week” and the amount of cycle is more than 2, the starting date should setup as “Sunday”.

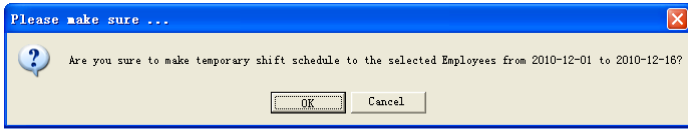
If the cycle unit of scheduling is “month” and the amount of cycle is more than 2, the starting date should setup as “1st day of a month”.

Deletion of the shifts:

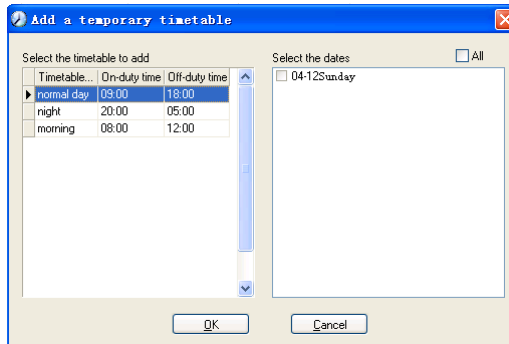
Select the shifts in the shifts form which you want to delete, click Delete button, and click ok on the pop up dialog box to finish the deletion.

Arrange a Temporary Shift:

When one or many employee's working time needs to be changed temporarily, you can arrange a temporary shift. Click [Add Temporary] the following window appears:



Click [OK] and the temporary scheduling can be operated. Then click [Add] and the following window will pop up:



Click [OK] and the timetables will be saved. Click [Save] and the temporary scheduling will be saved.

[Delete]: Delete the selected timetable;

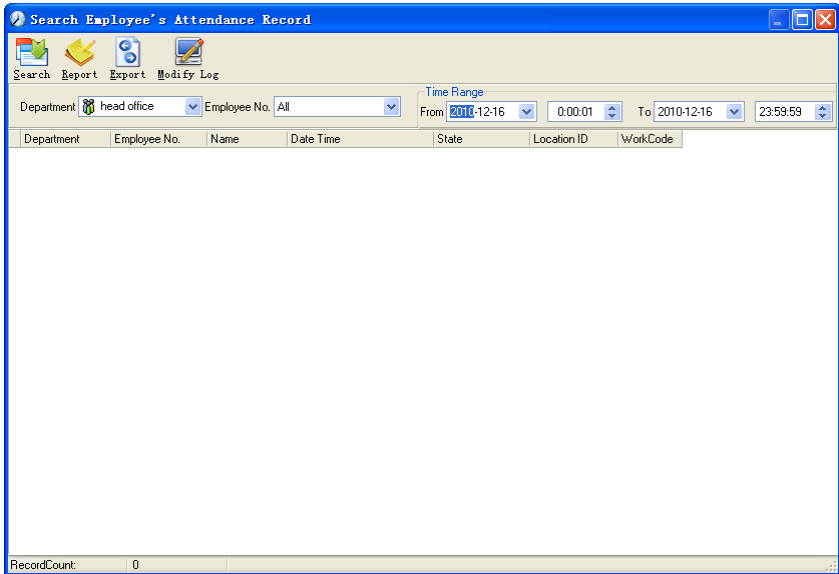
[Clear]: Delete all the timetables in the current time range;

[Cancel]: Delete the existing temporary scheduling in the selected time range;

#### 4.4.4 Attendance Records

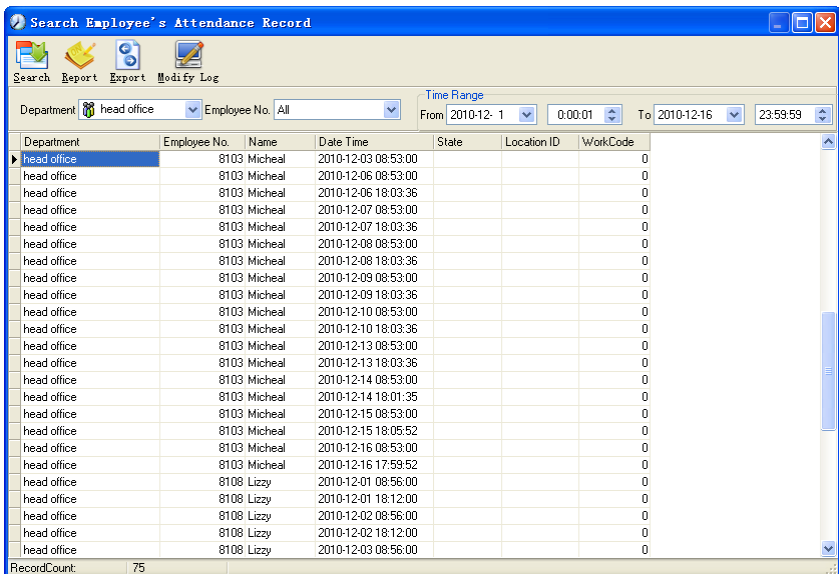
Click [Attendance Records] in [Attendance] menu, the following appears:





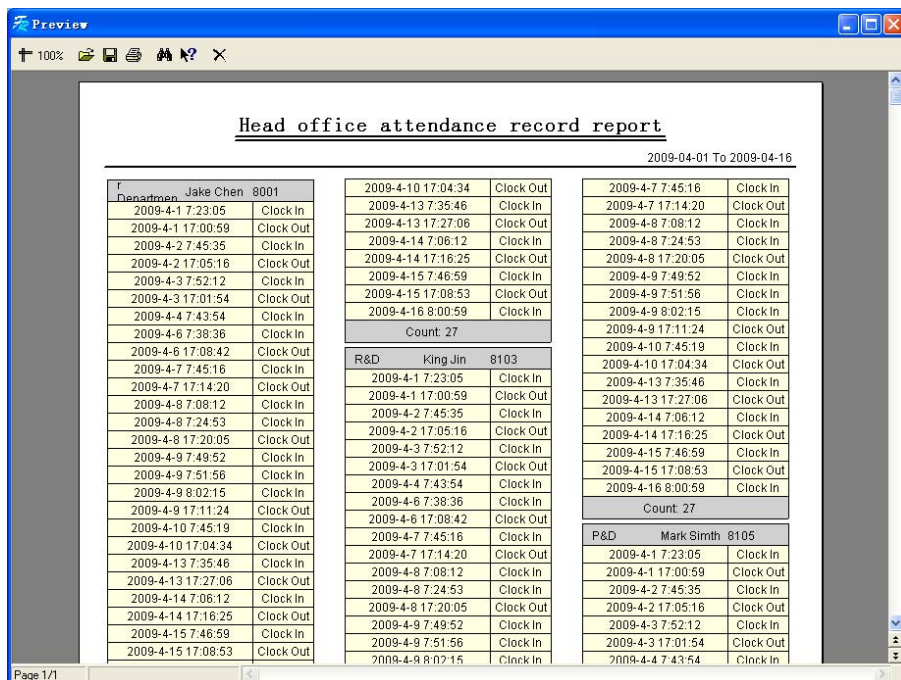
Inquiry of attendance record:

Select the department, employee, the beginning and ending time that need to inquire about, then click search, you can get the corresponding attendance record.



Attendance record report form preview:

Click [Report] when the window displays the attendance inquiry records, you can get the report form automatically.



### Attendance records exporting

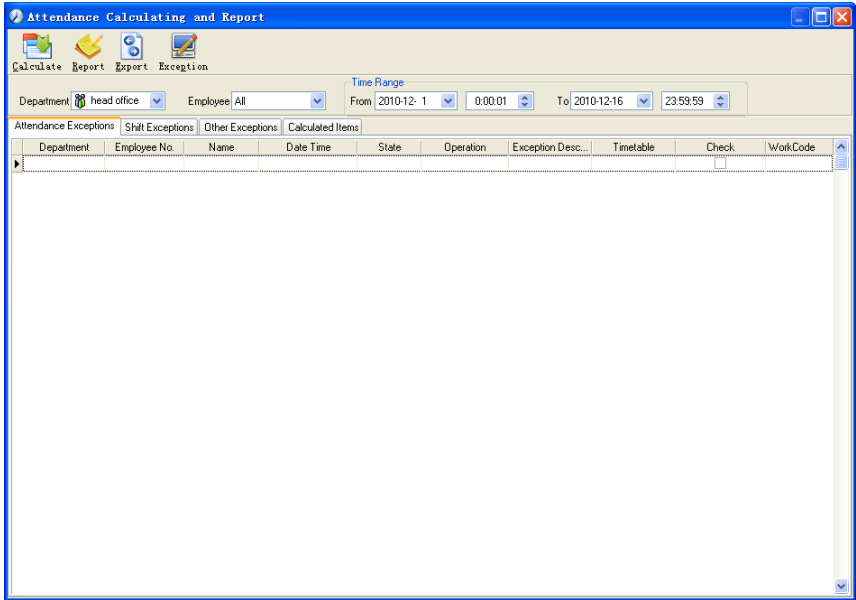
If need to lead out the attendance record, only need to click export, you can lead out the data inquired. (File format: \*.txt, \*.xls)

Click [Modify Log] and the log-modifying window will be called for reviewing the modification log of time and attendance records.

### 4.4.5 Attendance Calculating and Report

Inquiry of report form:

Click [Attendance Calculating and Report] in [Attendance] menu, the following window appears:



Pic4.6

Select the beginning, the ending date and the department and employee that need to be calculated and then click [Calculate].

There are four Tabs of information after search and calculation which can be viewed respectively:

[Attendance Exceptions]: Display the dealt result of the original attendance records;

[Shift Exceptions]: Display Employee's attendance result in the scheduled time period;

[Other Exceptions]: Display Employee's leave, out and overtime etc.;

[Calculated Items]: Display all Employee's calculated items such as "normal", "actual", "late", "early", "absent", "overtime" etc.

Please note: When dealing with "Out" calculation, there should be "Out back" and only "Out" and "Out back" in one shift can be calculated.

Working hours in the report="Actual" -"Late"-"Early"-"Out"

Exceptions of attendance records dealt with:

Open the attendance exceptions option card to deal with the records:

Department	Employee No.	Name	Date Time	State	Operation	Exception Desc.	Timetable	Check	WorkCode
head office	8108		2010-12-01 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-01 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-02 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-02 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-03 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-03 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-06 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-06 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-07 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-07 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-08 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-08 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-09 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-09 18:24:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-10 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-10 18:24:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-13 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-13 18:28:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-14 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-14 18:32:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-15 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-15 18:56:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-16 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-16 18:56:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8102		2010-12-01 09:00:00	Clock In		Normal record	Day	<input type="checkbox"/>	0

We will see such mistakes as “state mistake”, “invalid record”, “repeated record”, etc. are described. (If we will revise to write down, click the right key and springs the following menu):

Department	Employee No.	Name	Date Time	State	Operation	Exception Desc.	Timestable	Check	WorkCode
head office	8108		2010-12-01 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-01 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-02 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-02 18:12:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8100		2010-12-01 08:56:00	Clock In		Normal record	Day	<input checked="" type="checkbox"/>	0
head office	8100				Export Data	Normal record	Day	<input type="checkbox"/>	0
head office	8100				Create report for current grid	Normal record	Day	<input type="checkbox"/>	0
head office	8100				Change state	Clock in	Day	<input type="checkbox"/>	0
head office	8100				Delete selected	Clock out	Day	<input type="checkbox"/>	0
head office	8100				Cancel operation for selected	Overtime in	Day	<input type="checkbox"/>	0
head office	8100				Modify and save Exception	Out	Day	<input type="checkbox"/>	0
head office	8100				Change filter...	Out back	Day	<input type="checkbox"/>	0
head office	8100				Columns	Normal record	Day	<input type="checkbox"/>	0
head office	8100				Show all columns	Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-10 18:24:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-13 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-13 18:28:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-14 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-14 18:32:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-15 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-15 18:56:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-16 08:56:00	Clock In		Normal record	Day	<input type="checkbox"/>	0
head office	8108		2010-12-16 18:56:00	Clock Out		Normal record	Day	<input type="checkbox"/>	0
head office	8102		2010-12-01 09:00:00	Clock In		Normal record	Day	<input type="checkbox"/>	0

The definition of each option as follows:

[Export Data]: Export the data in the current attendance record list to a file in txt or xls format;

[Create report for current grid]: Generate report based on the data in the current attendance record list for preview and print;

[Change state]: Change the selected attendance record to a new state. Manually deal with the attendance record according to the practical situation;

[Delete selected]: Mark the record as manual deleting, deleting when save it;

[Cancel operation for selected]: Cancel revision to this record;

[Deal with and save]: You can save the records that have been treated. If you want to see the changed records, you can click [modified record log] in system menu;

[Filter the record]: If there are too many records, you can filter them, and keep down the corresponding record you want;

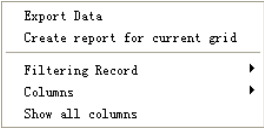
[Columns]: Define the fields displayed. Meanwhile, the modification will take effect and be saved;

[Show all columns]: Display all fields in [Columns];

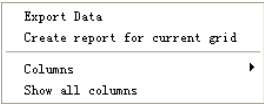
Please note: We can manually modify the record as stated above to assure the

veracity of the report according to the practical situation. If there is disoperation, the records can be recovered through [Modified Record Log] in [System].

Right Click in [Shift Exceptions] the following shortcut menu will pop up:



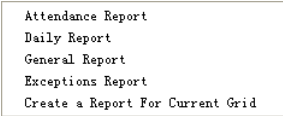
[Other Exceptions], [Calculated Items] the following shortcut menu will pop up:



The operation is the same as stated above.

Report:

Click [Report] in pic4.6 and the following menu will pop up:



Pic4.7 Exception menu

[Attendance Report]: Calculate employee's attendance record;

**Head office attendance record report**

2009-04-01 To 2009-04-16

Administrator	Name	ID	Date	Time	Status
Jaka Chen	R001		2009-04-10	17:04:34	Clock Out
		2009-04-01	07:23:05	Clock In	
		2009-04-01	17:00:59	Clock Out	
		2009-04-02	07:45:35	Clock In	
		2009-04-02	17:05:16	Clock Out	
		2009-04-03	07:52:12	Clock In	
		2009-04-03	17:01:54	Clock Out	
		2009-04-04	07:42:54	Clock In	
		2009-04-06	07:38:36	Clock In	
		2009-04-08	17:08:42	Clock Out	
		2009-04-07	07:45:16	Clock In	
		2009-04-07	17:14:20	Clock Out	
		2009-04-08	07:38:12	Clock In	
		2009-04-08	07:24:53	Clock In	
		2009-04-00	17:20:05	Clock Out	
		2009-04-09	07:49:52	Clock In	
		2009-04-09	07:51:56	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	17:11:24	Clock Out	
		2009-04-10	07:45:19	Clock In	
		2009-04-10	17:04:34	Clock Out	
		2009-04-13	07:35:46	Clock In	
		2009-04-13	17:27:06	Clock Out	
		2009-04-14	07:06:12	Clock In	
		2009-04-14	17:16:25	Clock Out	
		2009-04-15	07:46:59	Clock In	
2009-04-15	17:08:53	Clock Out			
2009-04-16	08:00:59	Clock In			
Count: 27					
King Jin	0103		2009-04-01	07:23:05	Clock In
		2009-04-01	17:00:59	Clock Out	
		2009-04-02	07:45:35	Clock In	
		2009-04-02	17:05:16	Clock Out	
		2009-04-03	07:52:12	Clock In	
		2009-04-03	17:01:54	Clock Out	
		2009-04-04	07:43:54	Clock In	
		2009-04-06	07:38:36	Clock In	
		2009-04-06	17:08:42	Clock Out	
		2009-04-07	07:45:16	Clock In	
		2009-04-07	17:14:20	Clock Out	
		2009-04-08	07:06:12	Clock In	
		2009-04-08	07:24:53	Clock In	
		2009-04-08	17:20:05	Clock Out	
		2009-04-09	07:49:52	Clock In	
		2009-04-09	07:51:56	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	17:11:24	Clock Out	
		2009-04-10	07:45:19	Clock In	
		2009-04-10	17:04:34	Clock Out	
		2009-04-13	07:35:46	Clock In	
		2009-04-13	17:27:06	Clock Out	
		2009-04-14	07:06:12	Clock In	
		2009-04-14	17:16:25	Clock Out	
		2009-04-15	07:46:59	Clock In	
		2009-04-15	17:08:53	Clock Out	
2009-04-16	08:00:59	Clock In			
Count: 27					
Mark Smith	0105		2009-04-01	07:23:05	Clock In
		2009-04-01	17:00:59	Clock Out	
		2009-04-02	07:45:35	Clock In	
		2009-04-02	17:05:16	Clock Out	
		2009-04-03	07:52:12	Clock In	
		2009-04-03	17:01:54	Clock Out	
		2009-04-04	07:43:54	Clock In	
		2009-04-06	07:38:36	Clock In	
		2009-04-06	17:08:42	Clock Out	
		2009-04-07	07:45:16	Clock In	
		2009-04-07	17:14:20	Clock Out	
		2009-04-08	07:06:12	Clock In	
		2009-04-08	07:24:53	Clock In	
		2009-04-08	17:20:05	Clock Out	
		2009-04-09	07:49:52	Clock In	
		2009-04-09	07:51:56	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	08:02:15	Clock In	
		2009-04-09	17:11:24	Clock Out	
		2009-04-10	07:45:19	Clock In	
		2009-04-10	17:04:34	Clock Out	
		2009-04-13	07:35:46	Clock In	
		2009-04-13	17:27:06	Clock Out	
		2009-04-14	07:06:12	Clock In	
		2009-04-14	17:16:25	Clock Out	
		2009-04-15	07:46:59	Clock In	
		2009-04-15	17:08:53	Clock Out	
2009-04-16	08:00:59	Clock In			
Count: 27					

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[Daily Report]: Calculate employee's daily attendance record;

**head office Employee daily report**

2010-12-01 To 2010-12-16

Name	No.	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>head office</b>																																
Judy	0102	/	/	/	/	/	/	BL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Michael	0103	/	/	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Lizy	0108	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Remark/Normal >Late <Early <Absent [No Cln] No C-Out Rest >Overtime BL Business Leave L Leave

Taking Admin 2010-12-17 15:19:19 1

Page 1/1

[General Report]: Calculate all employee's attendance items such as "normal",

“actual”, “late”, “early”, “absent”, “overtime” etc;

Preview

100%

**head office attendance stat. total report** 2010-12-01 To 2010-12-16

Name	Emplo no No.	Duty Day	Actual Day	Absent Day	Late Minute	Early Minute	OT Hour	Free OT Hour	Out Minute	BL Day	Leave Day	N/A Times	N/Out Times	%Time Hour	AttRate %
<b>head office</b>															
Judy	01102		12	12					15					96	95%
Michael	01103		12	11	1									89	92%
Lory	01108		12	12										96	100%
<b>Subtotal</b>	<b>3</b>		<b>36</b>	<b>35</b>	<b>1</b>				<b>15</b>					<b>281</b>	<b>96%</b>
<b>Total</b>	<b>3</b>		<b>36</b>	<b>35</b>	<b>1</b>				<b>15</b>					<b>281</b>	<b>95%</b>

TablingAdmin 2010-12-17 15:20:25 1

Page 1/1

[Exceptions Report]: Calculate employee’s “out”, “overtime”, business leave/ personal leave” etc;



Preview

100%

**head office attendance exceptions report**

2010-12-01 To 2010-12-16

Name	No.	Date & Time		Exception type	Work long	Remark
<b>head office</b>						
Judy	8102	2010-12-04 18:00:00	2010-12-05 09:00:00	Free overtime	15:00:00	
Judy	8102	2010-12-07 10:23:00	2010-12-07 13:56:00	Business leave	03:33:00	ltr

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[Create a Report for Current Grid]: Print preview of the current displayed grid. For example: Attendance Report

Preview

100%

head office exceptions of shifts report

Department	Name	Employee No.	Date	Timetable	On Duty
head office	Judy	0102	2010-12-01	Day	2010-12-01 09:00
head office	Judy	0102	2010-12-02	Day	2010-12-02 09:00
head office	Judy	0102	2010-12-03	Day	2010-12-03 09:00
head office	Judy	0102	2010-12-06	Day	2010-12-06 09:00
head office	Judy	0102	2010-12-07	Day	2010-12-07 09:00
head office	Judy	0102	2010-12-08	Day	2010-12-08 09:00
head office	Judy	0102	2010-12-09	Day	2010-12-09 09:00
head office	Judy	0102	2010-12-10	Day	2010-12-10 09:00
head office	Judy	0102	2010-12-13	Day	2010-12-13 09:00
head office	Judy	0102	2010-12-14	Day	2010-12-14 09:00
head office	Judy	0102	2010-12-15	Day	2010-12-15 09:00
head office	Judy	0102	2010-12-16	Day	2010-12-16 09:00
head office	Michael	0103	2010-12-01	Day	2010-12-01 09:00
head office	Michael	0103	2010-12-02	Day	2010-12-02 09:00
head office	Michael	0103	2010-12-03	Day	2010-12-03 09:00
head office	Michael	0103	2010-12-06	Day	2010-12-06 09:00
head office	Michael	0103	2010-12-07	Day	2010-12-07 09:00
head office	Michael	0103	2010-12-08	Day	2010-12-08 09:00
head office	Michael	0103	2010-12-09	Day	2010-12-09 09:00
head office	Michael	0103	2010-12-10	Day	2010-12-10 09:00
head office	Michael	0103	2010-12-13	Day	2010-12-13 09:00
head office	Michael	0103	2010-12-14	Day	2010-12-14 09:00
head office	Michael	0103	2010-12-15	Day	2010-12-15 09:00
head office	Michael	0103	2010-12-16	Day	2010-12-16 09:00
head office	Lizzy	0108	2010-12-01	Day	2010-12-01 09:00
head office	Lizzy	0108	2010-12-02	Day	2010-12-02 09:00
head office	Lizzy	0108	2010-12-03	Day	2010-12-03 09:00

Page 1/3

Preview

100%


Off Duty	Clock In	Clock Out	Late	Early	OverTime
2010-12-01 17:30	2010-12-01 09:00:00	2010-12-01 18:00:00			
2010-12-02 17:30	2010-12-02 09:00:00	2010-12-02 18:00:00			
2010-12-03 17:30	2010-12-03 09:00:00	2010-12-03 18:00:00			
2010-12-06 17:30	2010-12-06 09:00:00	2010-12-06 18:00:00			
2010-12-07 17:30	2010-12-07 08:00:00	2010-12-07 18:00:00			
2010-12-08 17:30	2010-12-08 09:00:00	2010-12-08 18:00:00			
2010-12-09 17:30	2010-12-09 09:00:00	2010-12-09 18:00:00			
2010-12-10 17:30	2010-12-10 09:00:00	2010-12-10 18:00:00			
2010-12-13 17:30	2010-12-13 09:00:00	2010-12-13 18:00:00			
2010-12-14 17:30	2010-12-14 09:00:00	2010-12-14 18:00:00			
2010-12-15 17:30	2010-12-15 09:00:00	2010-12-15 18:00:00			
2010-12-16 17:30	2010-12-16 09:00:00	2010-12-16 18:00:00			
2010-12-01 17:30	2010-12-01 08:53:00	2010-12-01 18:03:36			
2010-12-02 17:30	2010-12-02 08:53:00	2010-12-02 18:03:36			
2010-12-03 17:30	2010-12-03 08:53:00	2010-12-03 18:03:36			
2010-12-06 17:30	2010-12-06 08:53:00	2010-12-06 18:03:36			
2010-12-07 17:30	2010-12-07 08:53:00	2010-12-07 18:03:36			
2010-12-08 17:30	2010-12-08 08:53:00	2010-12-08 18:03:36			
2010-12-09 17:30	2010-12-09 08:53:00	2010-12-09 18:03:36			
2010-12-10 17:30	2010-12-10 08:53:00	2010-12-10 18:03:36			
2010-12-13 17:30	2010-12-13 08:53:00	2010-12-13 18:03:36			
2010-12-14 17:30	2010-12-14 08:53:00	2010-12-14 18:01:36			
2010-12-15 17:30	2010-12-15 08:53:00	2010-12-15 18:05:52			
2010-12-16 17:30	2010-12-16 08:53:00	2010-12-16 17:59:52			
2010-12-01 17:30	2010-12-01 09:56:00	2010-12-01 18:12:00			
2010-12-02 17:30	2010-12-02 08:56:00	2010-12-02 18:12:00			
2010-12-03 17:30	2010-12-03 08:56:00	2010-12-03 18:12:00			
2010-12-06 17:30	2010-12-06 08:56:00	2010-12-06 18:12:00			
2010-12-07 17:30	2010-12-07 08:56:00	2010-12-07 18:12:00			
2010-12-08 17:30	2010-12-08 08:56:00	2010-12-08 18:12:00			
2010-12-09 17:30	2010-12-09 08:56:00	2010-12-09 18:12:00			


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Print Report:


Toolbar of report preview is as the following picture:



 100% Adjust the ratio of preview content;


 Open the existing report file;

Find the report file (\*.frp) to be opened, select it and click [Open] to see the report.

 Save report to file;

Select the directory to save the report to, enter the file name and click [Save] to complete the backup of the report for future check or copying to another computer for printing; extension file name is “\*.frp”.

 Print Report;

 Close Preview

Data Export:

In picture 4.6, click [Export] and the displayed data of grid in the current window will be exported to a file (\*.txt or \*.xls). It has the same function as [Export Data] when right clicking in each grid.

Exceptions dealt with:

In pic4.6, click [Exception] and the following menu will pop up:



Click options one by one in the menu and the following modules will pop up respectively: [Append record], [Late/Early Collectively], [Business Leave/leave] and [Modified Record Log]. If the calculation result is incorrect for some employee, first, please check whether there is leave or forgetting Clock in or Clock out for this employee. If there is, please deal with the records through above menu. Please refer to the next chapter for more details.

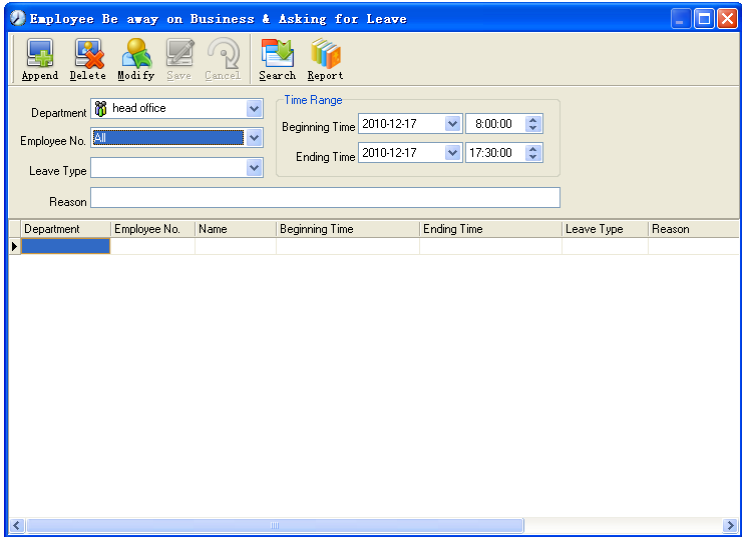
#### 4.5 Deal with Exceptions

Click [Exception] on the main menu, following springs:

Away On Business/Leave	Ctrl+L
Append Record	Ctrl+W
Append Record Collectively	
Dealing With Collectively Late/Early	

##### 4.5.1 Away on Business/ Leave

When the employee can't punch in/out because of going out on business or asking for leave, in order to guarantee the exactness of the final statistics, we should make these settings through this function. Click [Away on Business/ Leave] in [Exception] menu, the following interface springs:



Deal with employee away on business / leave:

Click [Append], then select the proper department, employee ID, beginning time, ending time, leave type, and click save when ready.

Modification of employee away on business or leave:

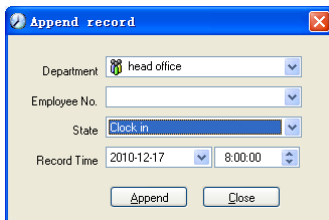
Select the appointed employee whom you want to make this modification to, and click [Modify]. Then you can modify the relative information; click [Save] when ready.

Deletion of employee away on business or leave

Select the appointed employee and the relative information you want to make this deletion, and click [Delete].

#### 4.5.2 Append Record

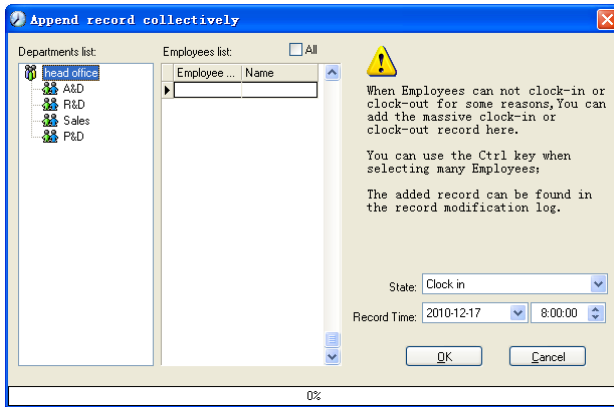
If a employee didn't punch in because of special reason, you can use this function to append the forgetting attendance record. Click [Append Record] in [Exception] menu, the following window Springs:



Select the relative items and click [Append] when ready.

#### 4.5.3 Append Record Collectively

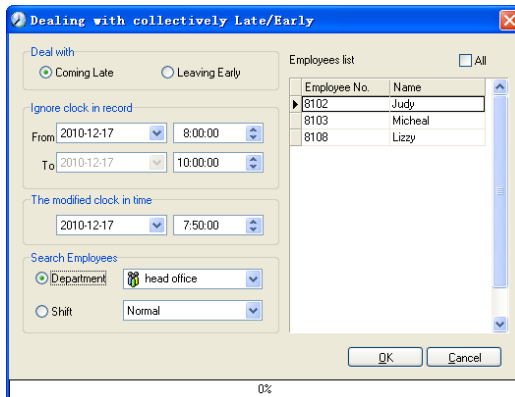
When part or all of the employees in a department did not punch in/out because of some reasons, please you can use this function to add punching in/out collectively, click [Exception]--[Append Record Collectively], following springs:



Select the department, thus the employees in the department will be listed in the employee list, select the employees whom you want to add records on to, then select record's state and time, then click [OK] to finish.

#### 4.5.4 Dealing with Collectively Late / Leaving

When collectively coming late / leaving early takes place for some allowable reasons, you can use this function. Click [Dealing with Collectively Late / Leaving] in [Exception] menu. The following springs:



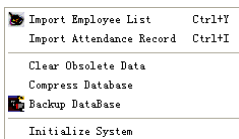
Steps as follows;

1. Click “Dealing with Collectively Late/Early”;

2. Select time range for “Ignore clock in record”;
3. Select the “The modified clock in time”
4. Search employee through department or shift;
5. Select employee;
6. Click [OK] to confirm.

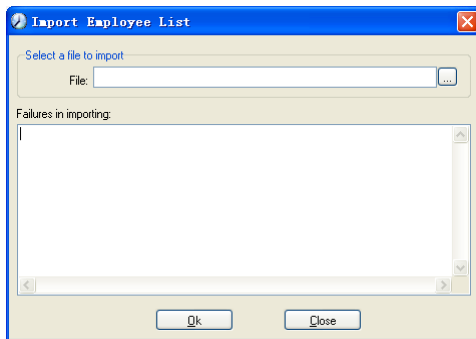
#### 4.6 Data Maintenance


Click [Data Maintenance] on the main menu, following springs:

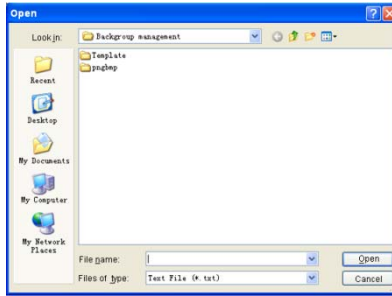


##### 4.6.1 Import Employee List

Click [Import Employee List] in [Data Maintenance] menu. Pop up the following window:



Click  to select the personnel list file for importing.



Select the right file which can be in \*.txt or MS Excel (\*.xls) formats, then click [open]to get back to above window, click [OK] to start!

The definition of (\*.txt) data format as follows:

This format of file only can import the employee info of “ID, Name, and department”;

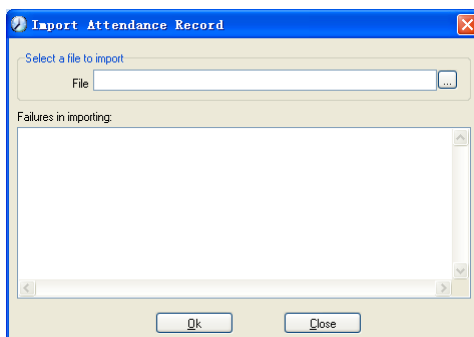
The format of data must follow: Employee ID + Tab + Name + Tab + Department;

The information each employee takes one line, no blank line between one another.


This format of file can import the employee info includes: “Employee No., Name, Department, position, Employ Date, Telephone, Address, Sex, Language, Comment”; put those items on the head line and input the items by order, the order can not be changed.

#### 4.6.2 Import Attendance Record

Click [Import Attendance Record] in [Data Maintenance] menu, Springs the following window:

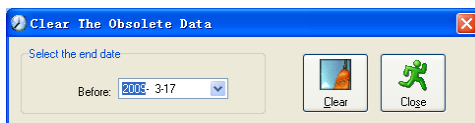




Click  to select the attendance record file for importing, and click [OK] to start.

#### 4.6.3 Clear Obsolete Data

Click [Clear Obsolete Data] in [Data Maintenance] menu, springs the following window:



After your system is used for a long time, you will get a large number of obsolete data in the database. It ties up the hard disk space and influences your system operation speed. At this moment you can use this function to clear these useless data.

Select the ending date for your data clearing. And click [clear] to complete this operation, after the clearance, the system will prompt asking you to compress the database as following shows; select [OK] to finish. (Note: you can only clear the data of one month ago).

#### 4.6.4 Compress Database

Click [Compress Database] in [Data Maintenance] menu to compress and repair the database

#### 4.6.5 Backup Database

For ensuring the safety of data and recoverability, we advise you to back up the database regularly. Click [Backup Database] in [Data Maintenance] menu, then select the route to backup the database. Click [Save] when ready.

Back up the database manually: Copy the Att2003.mdb from the installation directory to the route you want to backup the database, so if the system collapses, you just copy Att2003.mdb to installation directory over again after re-installation.

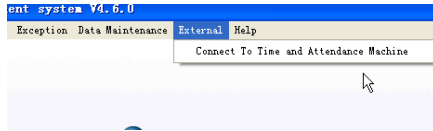
#### 4.6.6 Initialize System

Click [Initialize System] in [Data Maintenance] to initialize the system. (Note: After the system is initialized, all information will be lost; the system will get back to the state

when just installed. Please make sure that you want to initialize the system. )

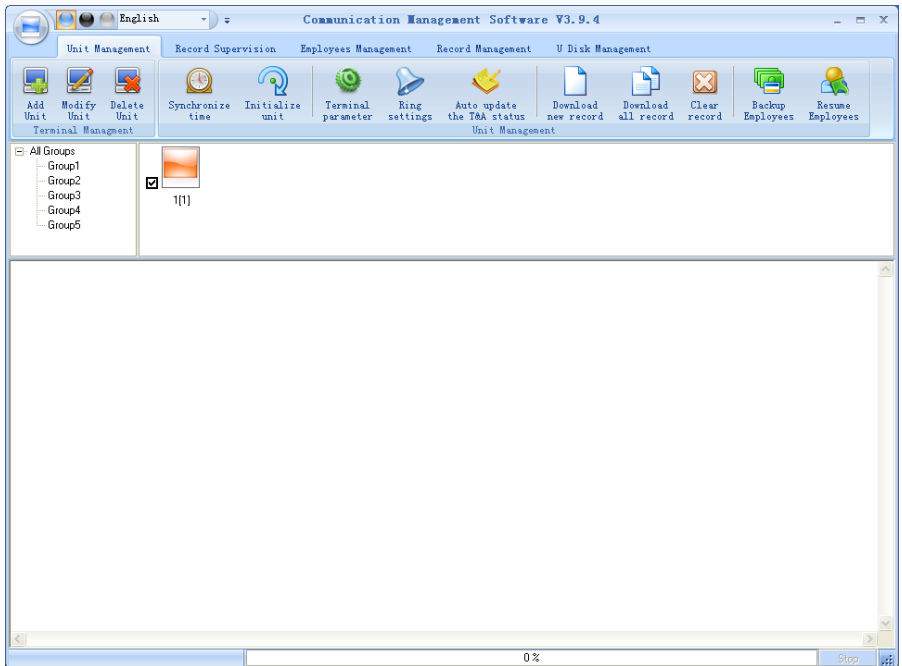
### 4.7 External Program Management

Click [External] on the main menu, following springs:



#### 4.7.1 Connect to Communication management software

Click [External]-[Connect to Time Attendance Machine], the system will prompt the communication interface between the software and the time attendance machine, control the current machine which connected with the computer, also can collect the records from the machine, upload and download employee information and fingerprint templates, or clear the old data on the attendance machine, modify the time on the machine. More details please reference the[Communication]chapter.



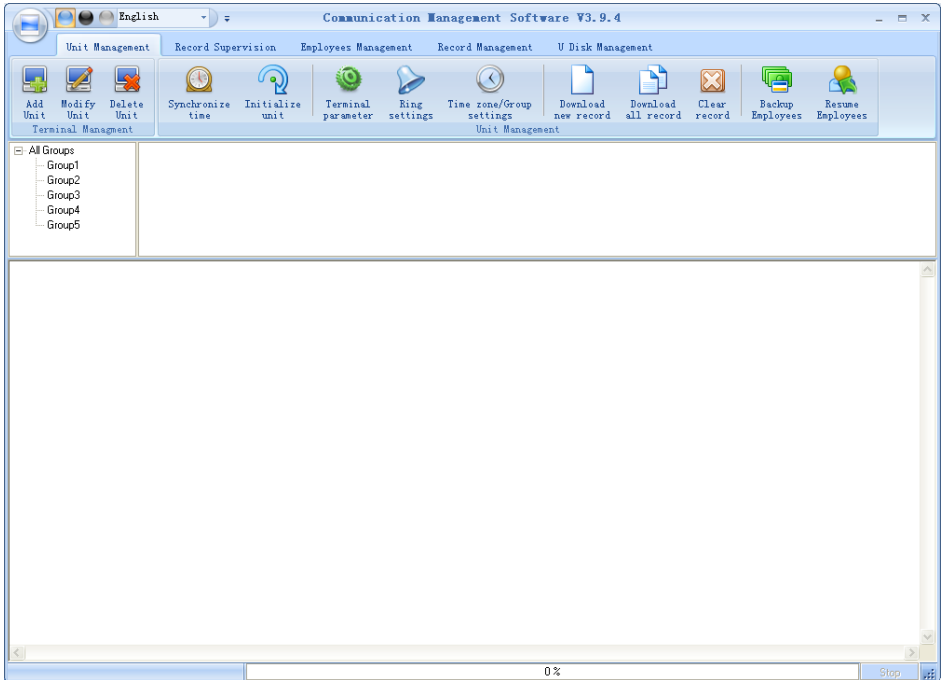
# Chapter5    Communication

The chapter is mainly about how to add, delete and set communication between PC and terminal.



## 5 Data Communication

Select [Start] - [All programs] - [Intelligent Management System] - [Communication Management Software], the main interface will show as following (default password is empty):



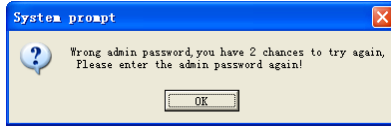
If the time attendance software's login password is not empty, you should enter the password firstly.



Enter the password and click the button [OK] to login.

If you enter the wrong password 3 times, the software will automatically close.

When you enter a wrong password, a message box pops up as follows:

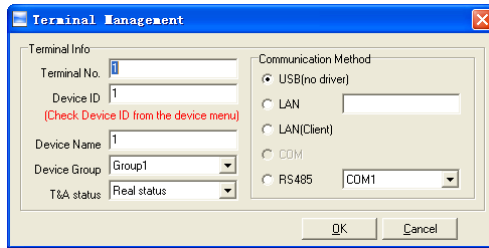


Click the button [OK]. And then try to enter the correct password

## 5.1 T&A Machine Management

### 5.1.1 Add Unit ★

Click the button [Add Unit]. Following windows pops up:



#### Remark:

Terminal No: This number can be set as you like.

Device ID: Device ID is the uniquely identification for management software. Please set it differently.

Device Name: You can set it as you like.

Device Group: This group is used to manage the terminal machine.

T&A Status: There are three options: Actual Status, on duty and off duty. When we set it as "Actual Status" the attendance records' status in the software are as same they are in the device. If you set it as "ON Duty", all the records' status which is from this machine will be "On duty".

USB: Connect the terminal via USB cable;

LAN: Input the terminal's IP address. The default IP address is 192.168.0.218.

LAN (client): Only communication with the PC which has server IP.

RS485: The default COM value is COM1;


Click the button [OK] to save the information. Can see a saffron yellow terminal icon



(Head office). Please move the cursor to the terminal icon it displays as follows:

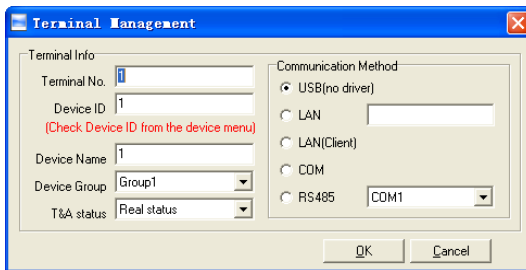
Machine Number: 1  
Machine Name: Head office  
Serial Number: 500  
Communication Method: USB  
Connection State: Abnormal

The connection state should be normal. So please do communication operation with machine (i.e. Synchronize time). When connection state is normal, terminal icon will

become blue (  1[Head office]).

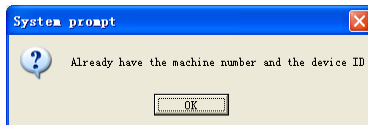
### 5.1.2 Modify Unit

Choose the terminal and then click [Modify Unit], the following window pops up:



Modify the information and then click the button [OK] to save the modification. Click the button [Cancel] to cancel the modification.

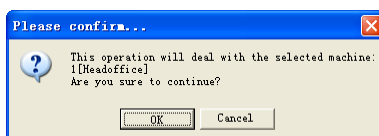
Notice: If the “No” is already exist in the software, following message box pops up:



Click the button [OK] to set the Unit information again.


### 5.1.3 Delete Unit

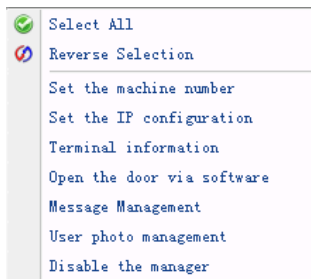
Choose the T&A unit and then click the button [Delete Unit]. Following message box pops up:



Click the button [OK] to delete or click the button [Cancel] to cancel.

### 5.1.4 Right Key Menu

Select terminal icon  ,right click and perform the menu:



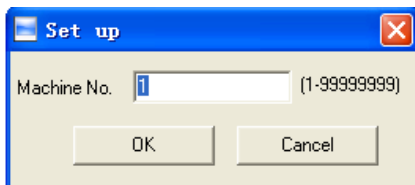
Pic 5.1.4 right key menu

[Select All]: Select all the terminals.

[Reverse Selection]: Select the terminals which are not selected. Cancel the terminals which are selected.

#### 5.1.4.1 Set device ID

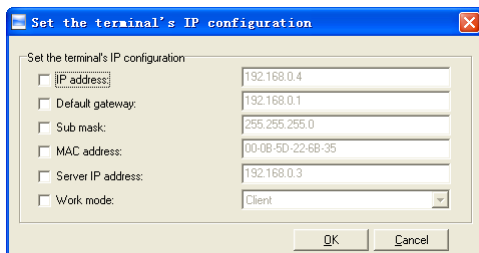
In Pic 5.1.4 select **【Set the machine number】** and open **【Set up】** interface:



Modify device ID and click **【OK】** to save, you can check the device ID in the setting menu of the terminal.

#### 5.1.4.2 Set the IP Configuration

Click [Set the IP configuration] and open the window:



Select the check box and then modify the parameters. Click the button [OK] to save

[2009-03-18 13:26:14]1[Head office] Set the network parameters successfully

### 5.1.4.3 Terminal Information

Display terminal information as follows:

Terminal information	
User number	8
Fingerprint number	2
Password number	2
Card number	0
New records number	0
Total records number	16
Firmware version	01.A0.H1
Device SN	1234567891234567

Click the button [Retrieve] to retrieve the terminal information. Click the button [Cancel] to close the window.

### 5.1.4.4 Open the door via software

Open the door via software

If you click the item [Open the door via software], you can see the information in the main interface as follows:

[2009-03-18 13:35:58]1[Head office] Open the door via software successfully!

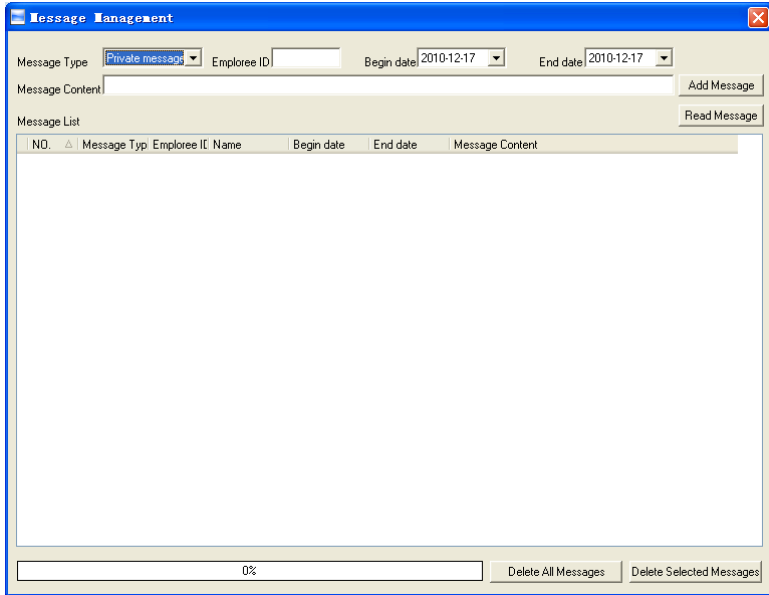
And meanwhile you can hear the sound from the relay.

### 5.1.4.5 Message Management

Send the message to the user when he clock in.

Click the item, a window pops up as follows:





There are two kind of message type: Private message and public message

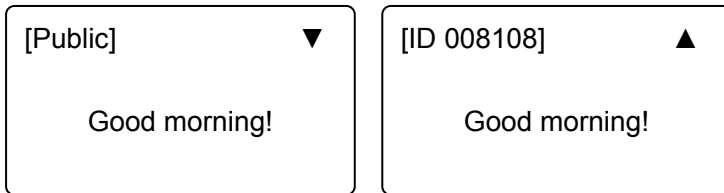
Private message need the employee ID. If you do not input the employee ID, the system prompts message: Input message not complete!

Click [Add Message] button to add the message.

Click [Read message], you will see the message in the [Message List]. And you can select one message and click [Delete Selected Messages] to delete the message.

Click [Delete All Messages] to delete all messages on the terminal.

The message displays on the terminal's LCD as follows:



Public message

Private message

Message length: 27 Chinese letters or 54 English letters.

Notice: You can shift the messages by pressing [←], [→] key.

#### 5.1.4.6 Disable the manager

Clear the device manager.

Choice [Disable the manager] menu, the system will prompt as follow:

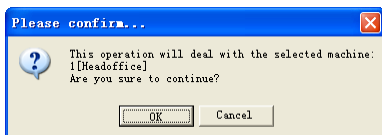


Click the [OK] button to delete manager, Click [Cancel] to cancel the delete operation.

[2010-11-22 14:10:00]1[Head Office] Clear the manager succeed.

### 5.1.5 Synchronize Time

Synchronize the terminal's time with the computer time. Click the button [Synchronize Time]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

Some operation information displays in the main interface as follows:

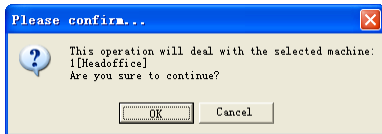
[2009-03-18 13:49:24]Synchronizing time...

[2009-03-18 13:49:25]1[Head office] Synchronization successful!

### 5.1.6 Initialize Unit

The device will resume to factory settings. All data will be cleaned up. Attention should be taken for this operation!

Click the button [Initialize Unit]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

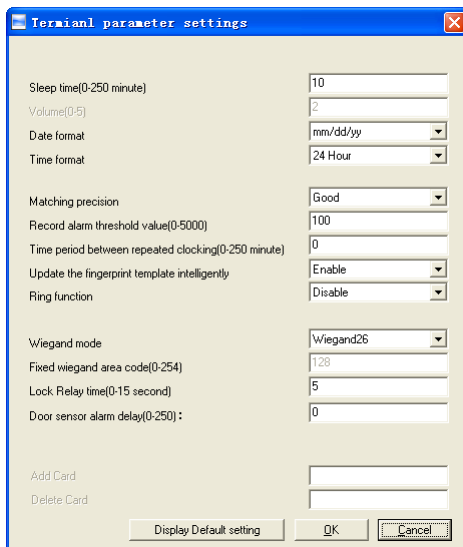
Some operation information displays in the main interface as follows:

[2009-03-18 13:52:59]Initializing...

[2009-03-18 13:53:01]1[Head office] Initialization successful!

### 5.1.7 Terminal Parameter Settings

Click the button [Terminal Parameter]. The [Terminal parameter settings] interface pops up:



[Sleep time (0~250 minute)]: How long does the terminal turn to the sleep mode if there is no one operating the terminal.

[Volume (0~5)]: The volume of the prompt sound in the terminal. The default value is 3.

[Date format]: There are three kinds date format: yy-mm-dd, mm/dd/yy, dd/mm/yy.

[Time format]: There are two kinds time format: 24 hour and 12 hour.

[Matching precision]: There are three kinds: 'Normal', 'Good' and 'Exact'. The default value is 'Good'.

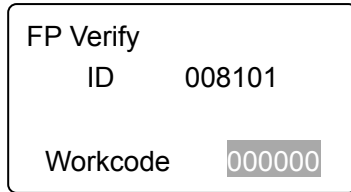
[Record alarm threshold value (0-5000)]: If the rest memory space for the record is less than the threshold value, the machine will alarm.

[Time period between repeated clocking (0~250 minute)]: The maximum value is 250 minutes. And the default value is 30s.

[Update the fingerprint template intelligently]: During fingerprint sensor identification process, the sensor replaces the lowest-quality data with new, higher-quality data that it acquired in the matching process. This enables the sensor to maintain high quality data at all times, saving the user from repeated authentication attempts. Default status is

limited.

[Work code prompt]: The work code indicates what kind of work that the employee takes. If you enable this function, the terminal asks for the work code after one get pass from the terminal.



Click the button [OK] to confirm.

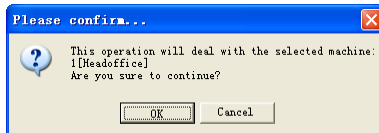
[Ring function]: Enable is function before using the Ring time settings.

[Wiegand Mode]: Wiegand26, Encrypted wiegand.

[Fixed Wiegand area code (0~254)]: If you upload one fingerprint to two terminals, the same fingerprint's wiegand outputs are different in the different terminals. If the two terminals' wiegand area codes are same, the same fingerprint's wiegand outputs are same in these two terminals.

[Lock Relay time (0~15 second)]: The door open delay.

Click the button [OK] to save the settings. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

The operation information in the main interface is as follows:

[2009-03-18 15:05:08]Set Advanced Parameter...

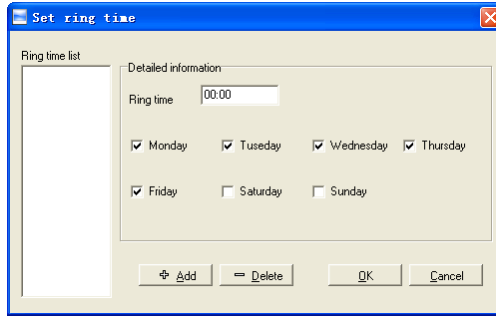
[2009-03-18 15:05:10]1[Head office] Parameter setting successfully!

Click the button [Display Default setting] to see the terminal's default settings

### 5.1.8 Ring Settings ★

Set the ring time. Please enable the Ring function in the parameter settings first of all.

Click the button [Ring settings]. [Set ring time] window pops up as follows:



Input the ring time and then click the button [+ Add]) to add the ring time to the “Ring time list”.

You can also click the button [-Delete] to delete the ring time from the “Ring time list”.

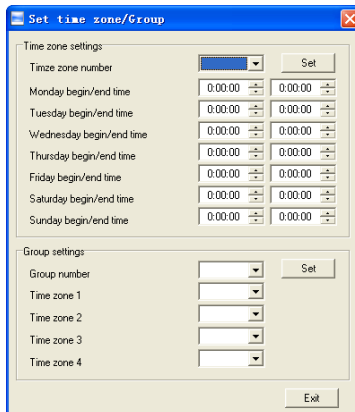
Click the button [OK] to save the settings. Following operation information displays in the main interface:

```
[2009-03-18 13:57:32]Setting ring time...
[2009-03-18 13:57:33]1[Head office] Set the ring time successfully!
```

### 5.1.9 Time zone/Group settings ★

This function is only for the terminals which have the access control output.

Click the button [Time zone/Group settings]. The [Set time zone/Group] window pops up:



[Time zone settings]:

Select the time zone number. And then you will see the time zone settings.

If you want to modify the time zone, you can just set the parameters again and click

the button [Set] to save.

```
[2009-03-18 15:06:31]Setting the time zone...  
[2009-03-18 15:06:32]1[Head office] Set the time zone successfully!
```

[Group settings]:

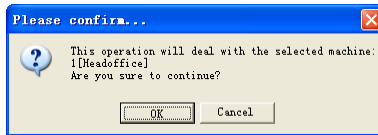
Select the group number and then you can see which time zones are arranged in this group.

If you want to modify the group settings, you can just change the time zone number and then click the button [Set] to save.

```
[2009-03-18 15:06:42]Setting the group...  
[2009-03-18 15:06:43]1[Head office] Set the group successfully!
```

#### 5.1.10 Download new record

Click the button [Download new record]. Following message box pops up:



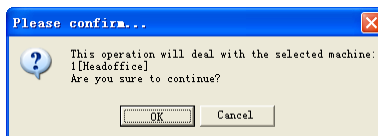
Click the button [OK] to confirm or click the button [Cancel] to cancel.

Following information shows on the main interface:

```
[2009-03-18 15:12:11]1[Head office] Reading attendance records...  
[2009-03-18 15:12:12]1[Head office] Read the records completed, Records: 4  
Read successfully: 4
```

#### 5.1.11 Download all Record

Click the button [Download all record]. Following message records pops up:



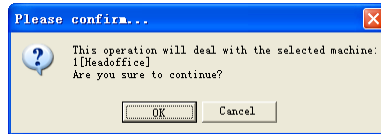
Click the button [OK] to confirm or click the button [Cancel] to cancel.

Following information shows on the main interface:

[2009-03-18 15:13:23]1[Head office] Reading attendance records...  
[2009-03-18 15:13:24]1[Head office] Read the records completed, Records: 6  
Read successfully: 6

### 5.1.12 Clear Record

Click the button [Clear Record]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

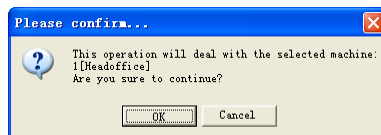
Following information shows on the main interface:

[2009-03-18 15:14:15]Clearing time attendance records...  
[2009-03-18 15:14:16]1[Head office] Clear time attendance records successfully

### 5.1.13 Backup Employee

Download the employee information and employee's fingerprint templates from the machine to the computer. You can edit the employee information in the database Att2003.mdb. The user information is saved in the table "User Info" of the database. And the fingerprint templates information is saved in the folder "Template" in the installation directory.

Click the button [Backup Employee]. Following message box pops up:

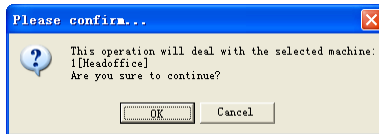


Click the button [OK] to confirm or click the button [Cancel] to cancel.

The operation information displays on the main interface as follows:

```
[2009-03-18 15:15:07]Back upping employees...
[2009-03-18 15:15:07]Backup employee: 1[Head office]
[2009-03-18 15:15:08]1[Head office] Backup employee information completed,
Records: 1, Read successfully: 1
[2009-03-18 15:15:08]1[Head office] Backuping fingerprints...
[2009-03-18 15:15:08]1[Head office] Backup employees and fingerprints
```

Notice: You can stop back upping the employee by click the button on the right bottom corner. Following message box pops up:

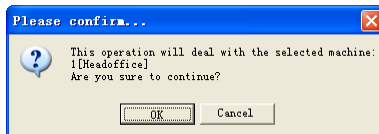


Click the button [OK] to confirm or click the button [Cancel] to cancel.

#### 5.1.14 Resume Employee

Upload the employee information and employee's templates from the computer to the terminal.

Click the button [Resume Employee]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

Some operation information displays as follows:

```
[2009-03-18 15:16:37]Get back employees...
[2009-03-18 15:16:37]Get back employees: 1[Head office]
[2009-03-18 15:16:38]1[Head office] Get back employees completed
```

Notice: 1. please make sure that the User ID is existent in the terminal.

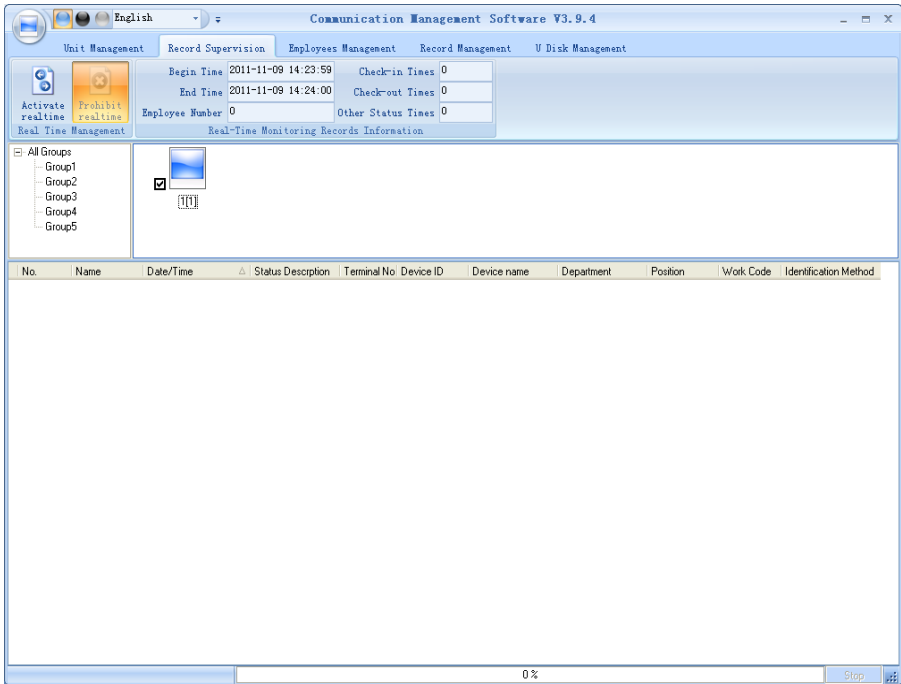
```
19 15:08:07] Get back employees...
[2009-03-19 15:08:07]Get back employees: 1[Head office]
1[Head office] No such ID existed, recovery failed!
```



2. You can stop recovering the employee by click the button [Stop] on the right bottom corner.

## 5.2 Record Supervision

Get the records from the terminal real-time.



### 5.2.1 Activate Real-time

Click the [Activate real-time] button, the status bar shows message: Reading attendance records...

Now the software is beginning to supervise the terminal, and then collect the records every 5 seconds. You can review the record information in the [Real-Time Monitoring Records Information] as follows:

Begin Time	2010-12-17 12:29:24	Check-in Times	0
End Time		Check-out Times	0
Employee Number	0	Other Status Times	0

Real-Time Monitoring Records Information

When the employee clock in or out, the [Check-in Times] or the [Check-out times] increases one. And the real time record shows.

And the following window which includes the employee ID, Name, Department and

Position pops up:



### 5.2.2 Prohibit real-time

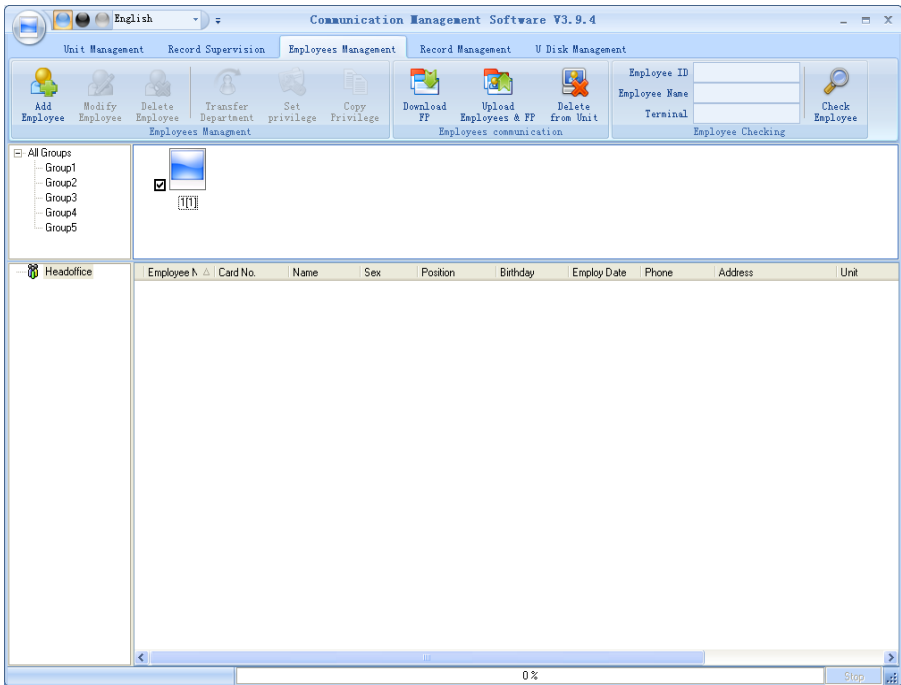
Click the button [Prohibit real-time] to stop the real-time monitoring. You can see the begin time and end time of the real-time monitoring in the [Real-Time Monitoring Records Information] as follows:

Begin Time	2010-12-20 15:32:14	Check-in Times	0
End Time	2010-12-20 15:32:53	Check-out Times	0
Employee Number	3	Other Status Times	0

Real-Time Monitoring Records Information

### 5.3 Employees Management

Employees' management interface is as following:



#### 5.3.1 Add Employee

Click [Add Employee] button, open [Add/modify employee info] window which

includes 2 pages: Basic info and fingerprint registration as follows:

The screenshot shows the 'Add/Modify Employee Info' window with the 'Basic Info' tab selected. The form contains the following fields and controls:

- No. (text input)
- Card No. (text input)
- Name (text input)
- Password (text input)
- Sex (dropdown menu)
- Dept. (dropdown menu, currently 'head office')
- Group number (dropdown menu, currently '1')
- User type (dropdown menu, currently 'Normal User')
- Identification Method (dropdown menu, currently 'Sept')
- ID No. (text input)
- Birthdate (date picker, currently '1980-01-01')
- Nation (dropdown menu)
- Employ Date (date picker, currently '2011-09-26')
- Position (dropdown menu)
- Political Feature (dropdown menu)
- Education (dropdown menu)
- Speciality (dropdown menu)
- Phone (text input)
- Mobile (text input)
- Native Place (text input)
- Address (text input)
- Save (button)
- Cancel (button)


[Basic info]: Edit employee's basic information.

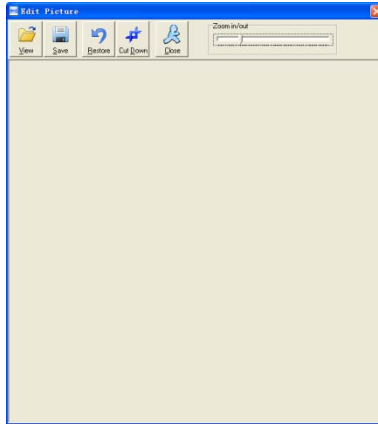
The screenshot shows the 'Add/Modify Employee Info' window with the 'Basic Info' tab selected. The form contains the following fields and controls:

- No. (text input, value: '8001')
- Card No. (text input, value: '3396985')
- Name (text input, value: 'Lizzy')
- Password (text input, value: '123')
- Sex (dropdown menu, value: 'Male')
- Dept. (dropdown menu, value: 'head office')
- Group number (dropdown menu, value: '1')
- User type (dropdown menu, value: 'Normal User')
- Identification Method (dropdown menu, value: 'Sept')
- ID No. (text input)
- Birthdate (date picker, value: '1980-01-01')
- Nation (dropdown menu)
- Employ Date (date picker, value: '2011-09-26')
- Position (dropdown menu)
- Political Feature (dropdown menu)
- Education (dropdown menu)
- Speciality (dropdown menu)
- Phone (text input)
- Mobile (text input)
- Native Place (text input)
- Address (text input)
- Save (button)
- Cancel (button)

**Notice: The No. is exclusive as well as the first digit cannot be 0!**


You can also add pictures for employee. There are two ways to add pictures:

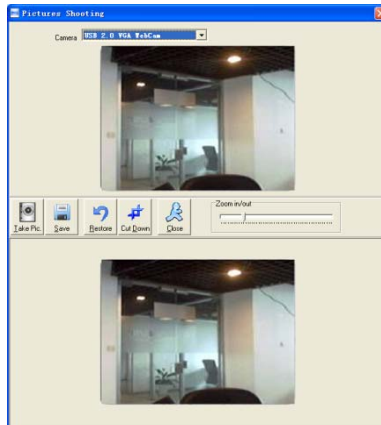
1st way: Click [  ] button, choose employee's picture stored in PC and open [Edit picture] window as following,



Click the button [View] to choose one photo. And Crop the photo by the [Cut-down] button and then click the button [Save]

2nd way: You can install camera to take pictures and edit then save. Make sure there is camera equipment installed in your PC.

Click [] button, open [Pictures shooting] window as following,



Choose camera equipment, and click the button [Take Pic] to take a photo.

Edit the photo by [Cut-down] function and then click the button [Save] to save.

Click the button [] to delete the employee photo.

### 5.3.2 Modify Employee

Modify employee operation is to modify the employee information in the window [Add/Modify employee Info]

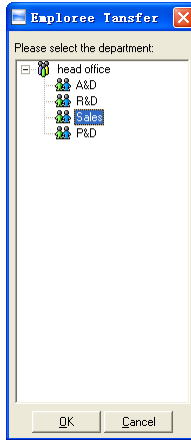
### 5.3.3 Delete Employee

Delete the employee from the database.

Choose employee from employee info list (you can choose some or all the employee by using the button [Shift] or [Ctrl] on your computer's keypad). Click [Delete Employee] to delete the selected employee.

### 5.3.4 Transfer Department

Choose the employee and then click the button [Transfer Department]. The window [Employee Transfer] pops up:

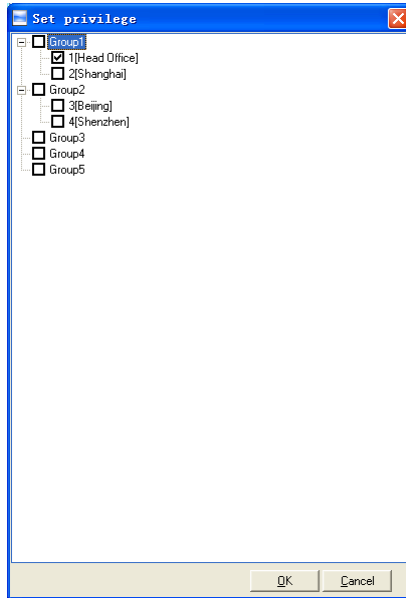


Select the department and then click the button [OK] to confirm or click the button [Cancel] to cancel.

### 5.3.5 Set Privilege

We can only upload the employee to the authorized terminal.

Choose the employee from employee info list (you can choose some or all the employee by using the button [Shift] or [Ctrl] on your computer's keypad). Click the button [Set privilege]. The [Set privilege] window pops up:



Choose the terminal and then click the button [OK] to save.

You can find the employee's authorized terminal in the column [Unit] as follows:

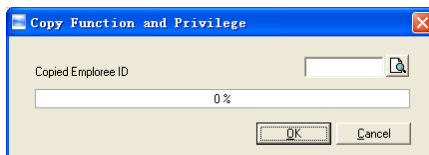
Employee No.	Card No.	Name	Sex	Position	Birthday	Employ Date	Phone	Address	1st FP	2nd FP	Unit
8102		Judy							<input type="checkbox"/>	<input type="checkbox"/>	1
8103		Micheal				2010-12-17			<input type="checkbox"/>	<input type="checkbox"/>	1,2
8108		Lizzy							<input type="checkbox"/>	<input type="checkbox"/>	2


Judy's fingerprint is in the unit1.  
 Micheal's fingerprint is in the unit 1 and unit2.  
 Lizzy's fingerprint is in the unit2.

### 5.3.6 Copy Privilege

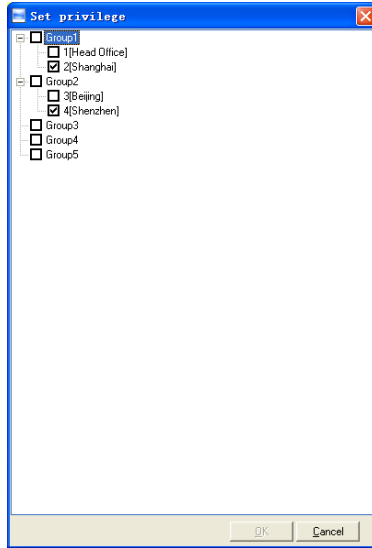
Copy the privilege from employee A to the employee B. And then the employee B's privilege will be as same as the employee A.

Choose the employees from employee info list (you can choose some or all the employees by using the button [Shift] or [Ctrl] on your computer's keypad). Click the button [Copy Privilege]. The [Copy Function and Privilege] window pops up:

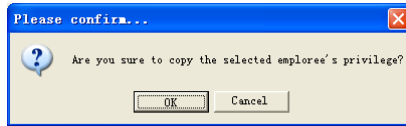


Input the one employee's ID. And then you can click the button  to browse the

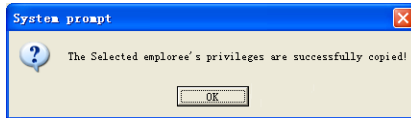
employee's privilege in the [Set privilege] as follows:



Click the button [Cancel] to exit the [Set privilege]. And then click the button [OK] to confirm or click the button [Cancel] to cancel.



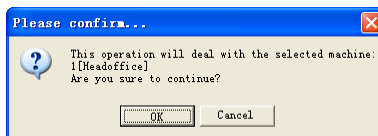
Click the button [OK] to confirm or click the button [Cancel] to cancel.



### 5.3.7 Download FP ★

Download the fingerprint from the terminal to the software.

Choose the employees from employee info list (You can choose some or all the employees by using the button [Shift] or [Ctrl] on your computer's keypad). Click the button [Download FP]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

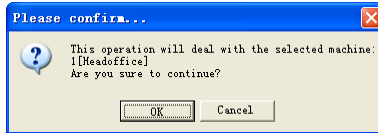
The operation information shows on the main interface as follows:

```
[2009-03-18 16:18:44]Download fingerprint...  
[2009-03-18 16:18:44]Download fingerprint: 1[Head office]  
[2009-03-18 16:18:44]1[Head office] Can not connect to the T&A machine
```

### 5.3.8 Upload Employee & FP

Upload the employee information and fingerprints to the terminal.

Choose the employees from employee info list (you can choose some or all the employees by using the button [Shift] or [Ctrl] on your computer's keypad). Click the button [Upload Employee & FP]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

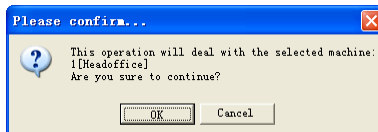
The operation information shows on the main interface as follows:

```
[2009-03-19 15:10:18]Upload employees and fingerprints...  
[2009-03-19 15:10:18]Upload employees and fingerprints: 1[Head office]  
[2009-03-19 15:10:19]1[Head office] Upload employee and fingerprint completed
```

### 5.3.9 Delete from Unit

Delete the employees from the terminal via the software.

Choose the employees from employee info list (you can choose some or all the employees by using the button [Shift] or [Ctrl] on your computer's keypad). Click the button [Delete from Unit]. Following message box pops up:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

The operation information shows on the main interface as follows:



[2009-03-19 15:11:21]Delete the employee from the device...

[2009-03-19 15:11:21]Delete the employee from the deviece: 1[Head office]

[2009-03-19 15:11:22]1[Head office] Delete the employee from the device

### 5.3.10 Employee Checking

Search the employee information.



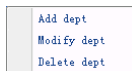
The 'Employee Checking' dialog box contains three input fields: 'Employee ID', 'Employee Name', and 'Terminal'. To the right of these fields is a magnifying glass icon and a button labeled 'Check Employee'. The text 'Employee Checking' is displayed at the bottom of the dialog.

Search the employee information by the employee ID, Employee Name and Terminal. Click [Check Employee] button to check the employee's information.

### 5.3.11 Department Management

Move the cursor to the department list and then click the right button of your mouse.

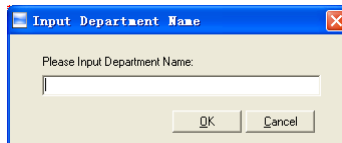
The menu pops up as follows:



A context menu with three options: 'Add dept', 'Modify dept', and 'Delete dept'.

[Add dept.]

Click [Add dept.]. The [Input Department Name] window pops up:

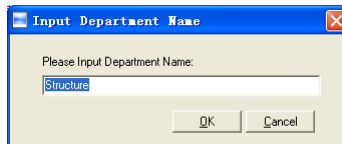


The 'Input Department Name' dialog box has a title bar with a close button. The main area contains the text 'Please Input Department Name:' followed by an empty text input field. At the bottom are 'OK' and 'Cancel' buttons.

Input the department name. Click the button [OK] to confirm or click the button [Cancel] to cancel.

[Modify dept.]

Choose the department which is going to be modified. Click [Modify dept.]. The [Input Department Name] window pops up:

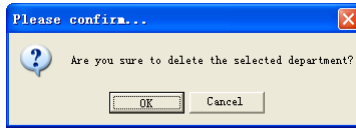


The 'Input Department Name' dialog box is shown with the text 'Structure' entered into the input field.

Input the department name. Click the button [OK] to confirm or click the button [Cancel] to cancel.

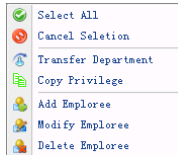
[Delete dept.]

Choose the department which is going to be deleted. Click the right button of your mouse and then click the [Delete dept.]. Following message box pops up:

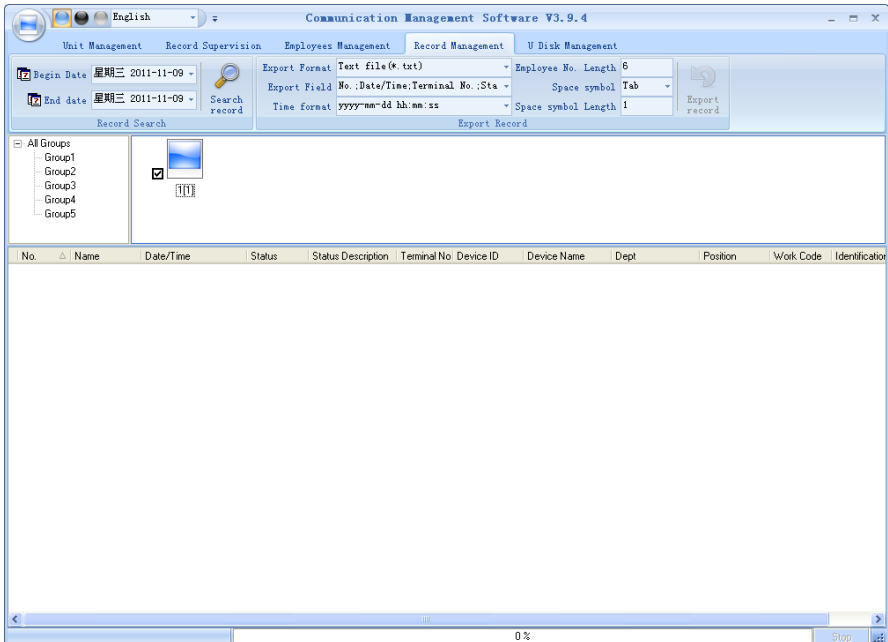


Click the button [OK] to confirm or click the button [Cancel] to cancel.

Remark: Right button menu:



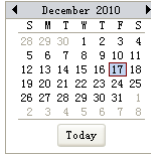
## 5.4 Record Management



### 5.4.1 Record Search



Set the Begin Date and End Date as follows:



Click the button [Search record] to search the record.

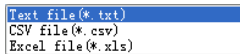
No.	Name	Date/Time	Status	Status Description	Unit No.	Unit S/N
379	Peter	3/20/2009 10:28:10 AM	In	In	1	300
386	Jack	3/20/2009 10:28:31 AM	In	In	1	300
387	May	3/20/2009 10:28:34 AM	In	In	1	300

## 5.4.2 Export Record

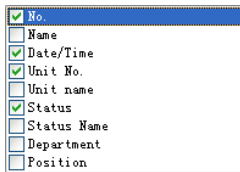
Set the export format, export file and time format.

Export Format	Text file(*.txt)	Employee No. Length	6	Export record
Export Field	No. ; Date/Time ; Unit No. ; Status	Space symbol	,	
Time format	yyyy-mm-dd hh:mm:ss	Space symbol Length	1	
Export Record				

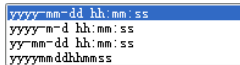
Export format: 3 formats optional: text file (.txt), CSV file (.csv), Excel files (.xls).



Export field: Choose the fields which are useful for you.



Time format: 4 optional formats



Employee No. length: Set employee No. length, the default is 6 digits.

Space symbol: Space symbol to separate fields

Space symbol length: Space symbol bit

After setting completed, click [Export record] button, open [Save as] window, choose save file directory, input file name, click [Save] button. The system prompts as follow:



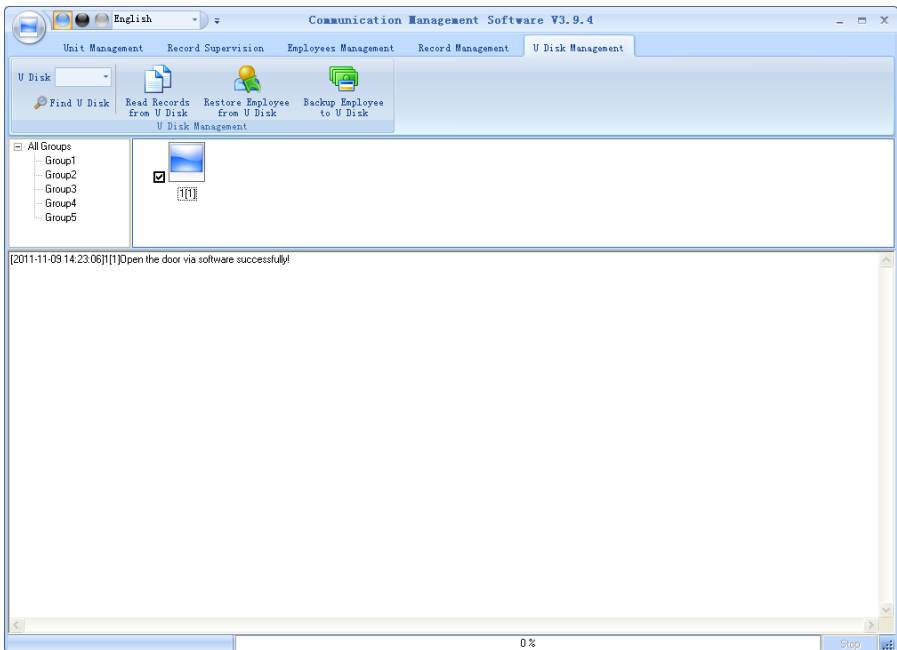
Click the button [OK] to confirm.

## 5.5 U disk management program ★

U disk management program use for load the data from USB flash disk to database.

Read the attendance record from USB flash driver, must make sure all data store under G:\00000001 folder in the USB flash driver first. [G]: The driver letter of the USB flash driver; [00000001]: is the terminal device ID.

The shows as following :



**Read data from the U flash disk:** First click [Find U Disk] to fine the path of the USB flash disk, click [Read data from the U disk] the system will auto read the data from U disk and export to local database.

**Restore Employee from U Disk:** click [Restore Employee from U Disk] button,

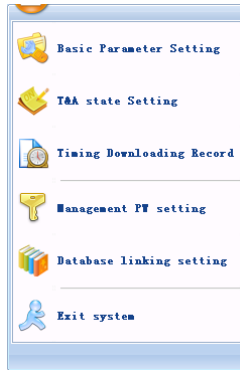
the system will export the employee information data to local database and fingerprint template to root index “Template” folder.

Prompt: If the local database has had this record already, the system will prompt “ record repeated”.

**Backup Employee to U Disk:** The database of the existing employee information and fingerprint template, backup to U plate

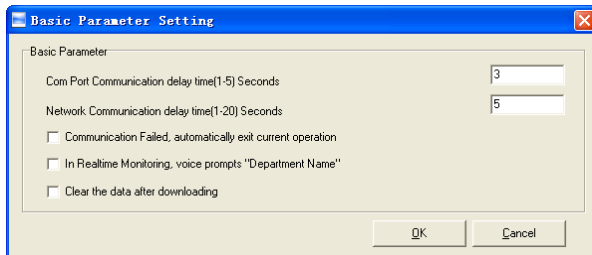
### 5.6 System settings

Click the icon [  ] on the top left corner, the menu pops up as follows:



#### 5.6.1 Basic parameter settings

Click the [Basic Parameter Setting]. The [Basic Parameter Setting] pops up:



Com port Communication delay time (1-5) sec.: The default time is 3s.

Network Communication delay time (1-20) sec.: The default time is 5s.

Communication failed, automatically exit current operation: If timeout is larger than ‘Communication delay time’, software will automatically exit.

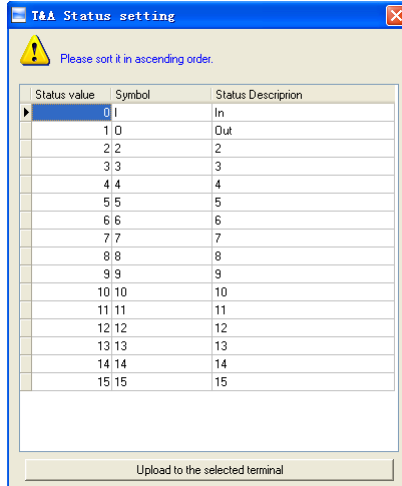
In Real-time Monitoring, voice prompts “Department name”: During real-time monitor, if employee is access granted, the software will voice prompt employee department and name.

□ Clear the data after downloading: After downloading records completed, delete the record downloaded from machine automatically.

Click the button [OK] to save the setting.

### 5.6.2 T&A Status setting

Click the [T&A Status setting] option, and the [T&A status setting] window pops up:

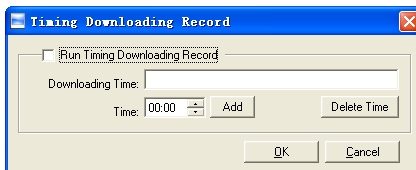


Click the state which is going to be modified. Input the status description.

[Upload to the selected terminal]: Upload the T&A status from the selected terminal.

### 5.6.3 Timing Downloading Record

Click the [Timing Downloading Record]. The [Timing Downloading Record] window pops up:



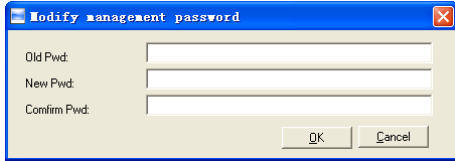
Enable this function by choosing the [Run Timing Download Record]. You can set 5 time point.

Please use the button [▼] to set a time. And then click the button [Add] to add the time to the [Downloading Time].

Click the button [OK] to save the setting.

### 5.6.4 Management PWD Setting

Click the [Management PW Setting]. The [Modify management password] window pops up:



[Old password]: Default password is empty.

If user has modified password, please input this password which is used to log on system. If it's wrong, system will prompt,



Click [OK] and input old password again.

[New Pwd]: the password user wants to set.

[Confirm Pwd]: Input new password again to confirm.

If confirm Pwd is different from new one, system will prompt:



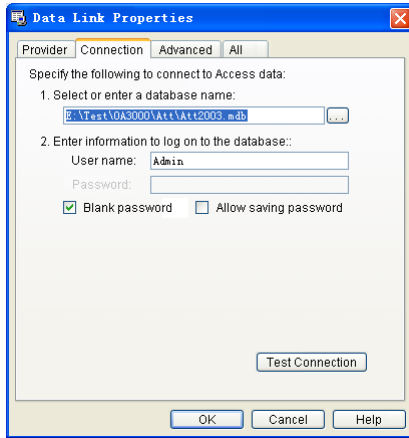
Click [OK] button to input confirm password again.

After modifying completed, click [OK] button to save new password and it prompts:

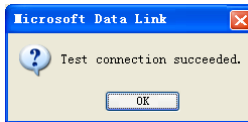


### 5.6.5 Database linking setting

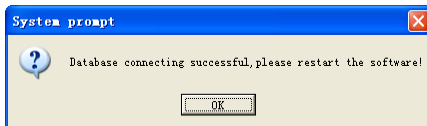
Click the [Database linking setting]. The [Data Link Properties] window pops up:



Click [ ... ] button beside [1. Select or enter a database name:] to choose the linking database directory. And then choose database name, click [Open] button to confirm database linking and exit to [Data link properties] interface. If the database has set [User name] and [password] already, we must input [User name] and [password] in [2. Enter information to log on to the database]. After completed, click [Test connection] to test the connection correctness of the database and system prompts:

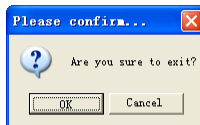


Click [OK] button and it goes back to [Data link properties] interface. Click [OK] button and system prompts,



### 5.6.6 Exit system

Click [Exit system]. It prompts:



Click the button [OK] to confirm or click the button [Cancel] to cancel.

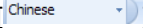
## 5.7 User interface configuration

### 5.7.1 Interface skin color



Shift the skin color by press the button [  ].The style is Windows XP system style.

### 5.7.2 Change the software language

Choose the language in the option [  ].

### 5.7.3 Set quick access button

Move the cursor to the icon [Synchronize time]. Click the mouse's right button. It prompts:



Click the item [Add to Quick Access Toolbar]. And then you can see the quick access button on the toolbar as follows:



Move the cursor to the quick access button. And then click the mouse's right button. It prompts:



Click the item “Remove from the Quick Access Toolbar”.

# Chapter6    FAQ

Frequently asked questions and answers



## 6 FQA

### 6.1 Fingerprint has enrolled but often gets failure in identification.

Reason	Solution
1. The fingerprint was not captured properly	Enroll the finger again. Please refer to illustration of pressing finger.
2. Direct sun light or too bright light	Avoid direct sun light or other bright light
3. Too dry finger Too wet finger with oil or cosmetics	1, Touch the forehead to increase oily level of the finger. 2, Clean fingers with towel
4. Low fingerprint quality with callus or peeling	Enroll other fingers with better quality
5. Wrong way in placing fingers when punching in/out	Please refer to illustration of pressing finger.
6. Latent fingerprint on the surface of sensor	Clean sensor surface ( adhesive tapes recommended)
7. Not enough finger pressure	Place the finger evenly on the sensor with moderate pressure
8. Influence by fingerprint image change	Enroll fingerprint again. Please refer to illustration of pressing finger.

### 6.2 No records found though staff have clocked in/out.

Reason	Solution
1. Unit power break for a long time (time turn to zero as default)	Synchronize the time
2. The record hasn't been downloaded.	Please download the record from the device.
3. The capacity has been fully occupied.	Please clear the records in time.

### 6.3 The machine cannot connect with PC.

Reason	Solution
1. Communication method not set correctly	Select the correct communication method
2. Cable not plugged firmly or cable hardware problem	Plug the cable firmly or change another cable

3. Not able to connect COM (wrong COM No)	Please enter the right COM No
4. Not able to connect TCP/IP (wrong setting)	Refer to the manual for connecting Time Attendance terminal

6.4 Clock's time works fine, but FP scanner is off, Employee cannot attendance

Reason	Solution
1. Unit in dormancy status	Press any key to activate.
2. The device is on communication or the route has been interfered.	1. Please exit the system by clicking <b>【Exit system】</b> . If quit abnormally, the device will resume collecting fingerprint every 1 minute. 2. Eliminate the interference of the route.
3. The capacity has been fully occupied.	Please clear the records in time.

6.5 We do not use the ID + fingerprint mode to verified.

Reason	Solution
1. Wrong ID entered	Enter the right ID
2. This user has no right to use 1:1 identification method	Set 1:1 identification method for this user.

6.6 The unit beeps automatically when no one punches in/out.

Reason	Solution
1. Direct sun light or too bright light	Avoid direct sun light or other bright light
2. Latent fingerprint on the surface of sensor	Clean sensor surface ( adhesive tapes recommended)

Please note: Should you have any other problems, please kindly email us the log files in zip or rar (The log files are in Log directory in the installation directory of the software)!