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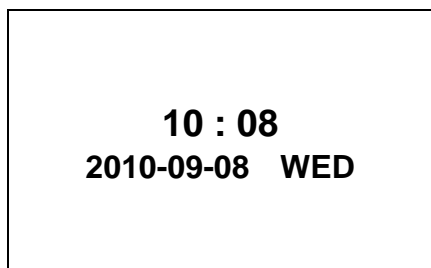
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Chapter One - V2.0 Introduction

1. Interface Introduction

1.1 Standby Mode

Standby screen display when the machine is connects to electric power as Fig. 1.



(Fig. 1)

1.2 Keypad & Connection Port

1.2.1 Keypad (Fig. 2)

1	2 ABC	3 DEF	ESC
4 GHI	5 JKL	6 MNO	MENU
7 PQRS	8 TUV	9 WXYZ	▲
⊙	0	OK	▼

(Fig. 2)

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Keypad 0 – 9	input number, alphabet or select menu options “0”= space
ESC	Exit
MENU	Enter Menu Status
OK	Enter (Confirm)
▲	Cursor Upward
▼	Cursor Downward
⊙	Select Phonics, Alphabets or Numbers

1.2.2 Connection Port

Connection port depends on features selected. Full features as below :

(TCP/IP, USB Direct cable host & USB flash drive host)



DC	O/I	4P(back)	USB	MINI USB
Power Supply	On / Off Switch	For TCP/IP	For USB flash drive	For USB Cable

1.3 “MENU”

Under standby situation, press “MENU” to enter the menu mode.

Use “▲”“▼” to select and press “OK” to enter or directly press the number key to enter the program as Fig. 3 a - d



(Fig. 3)

Chapter Two V2.0 - Menu Operation Guide

2.1 Enroll

Through this section to Enroll User, View User , delete User, download and upload data

2.1.1 Enroll User

Enroll new user :

Enroll	
1. Enroll	
2. Browse	
3. Delete	
4. Down. Data	
5. Up. Data	

(Fig. 4)

Enroll	
1. ID	1
2. Name	andy
3. Finger	Unset
4. Pwd	Unset
5. Card	Unset
6. Admin	User
7. Delete	

Each User can register Fingerprint (Fig. 5a) or Password (Fig. 5b) or ID Card

1. Select or input the staff ID number.
(ID number within 1-999999999)
2. Selete the “Name” item to Input the staff name by the keybaord.
3. Selete the “Finger” item to Register Fingerprint, you must press the same finger three times.
4. Selete the “Pwd” item to Register Password, you must input the password number two times.
5. Selete the “Card” item to Register Card, swipe the cade close to the induction zone.
6. Selete the “Admin” item to set the staff Privilege.

7. Selete the “Delete” item to delete the user.

Index :

ID	1	Staff ID number
Name	andy	Showing the current staff name, edit the Name by pressing key.
Finger	Uset / Set	Already registered 1 fingerprint, can register Maximum 10 fingerprint directly from here.
Password	Uset / Set	No password setting for this staff, can register new password or re-write password directly from here. Once setting, it will show “Set”.
ID Card	Uset / Set	No ID Card setting for this staff, can register new ID Card directly from here. Once setting, it will show “Set”. Maximum 1 ID Card can be set.
Admin (Privilege)	User/Admin	Showing the current status of this staff, Initial setting is User for all registers, press OK to change to Admin if necessary.
Delete		Select the staff ID, and choose “Delete”, press Ok

2.1.2 Edit User

Select the “Enroll”→”Name”, and edit staff name and press OK

Enroll	
1. ID	1
2. Name	andy
3. Finger	Unset
4. Pwd	Unset
5. Card	Unset
6. Admin	User
7. Delete	

(Fig. 5)

2.1.3 Delete User

Through this section to delete the user.

Select or input the staff ID number, and choose the “Delete” item, and then press OK. as Fig. 6

Delete	
1. ID	1
2. Nme	Andy
3. Delete	

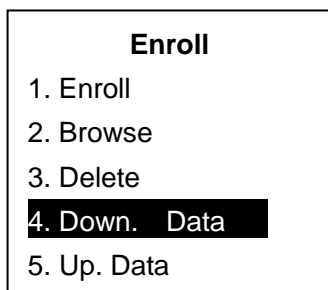
Do you want to delete really?	
Yes-ok	No-esc

(Fig. 6)

2.1.4 Down the Register data to USB Flash Drive

Through this section to down all original data (User name, ID no., Fingerprint & Password data etc.) to USB Flash Drive, the file name is “plu000001.dat” .

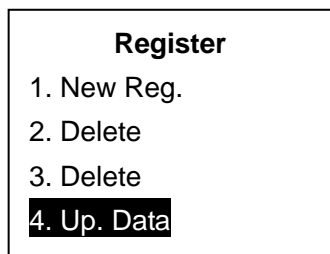
Insert the USB Flash Drive to the machine, and select “Enroll”
→”Down. Data”, and then press OK.



(Fig. 7)

2.1.5 Upload Register Data to machine

Make sure the file “plu000001.dat” in the root directory of disk, and insert the u-disk to the machine port, and then select “register”
→”Upload Reg. Data”, and then press OK.



(Fig. 8)

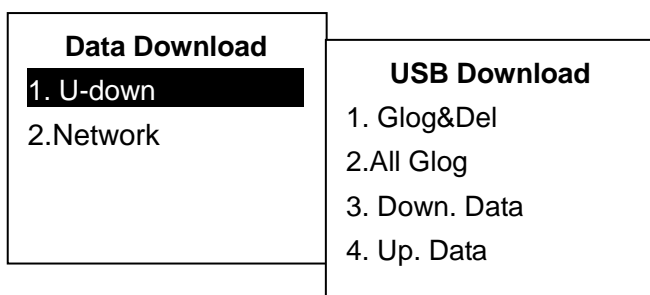
2.2 Communication Settings

Through this section to download the data to U-disk, and set the communication information.(the Machine Number, IP Address, Gateway & Port Number)

2.2.1 Download attendance records to the U-disk

Through this section to download the data to U-disk.

Insert the U-disk to the machine, and select “Set COMM”
→”U-down”, and then press OK.



(Fig. 9)

- | | |
|---------------------|---|
| 1. Download Glog&De | Download the users' attendance data to the USB Flash Drive in TXT format.(begin from the last time) |
| 2. Download AllGlog | Download the users' attendance data to the USB Flash Drive in TXT format.(download all attendance data) |
| 3. Down. Data | Down all original data (User name, ID no., Fingerprint & Password data etc.) to USB Flash Drive, the file name is |

“plu000001.dat”. And use the USB Flash Driver delivery the data to another machine

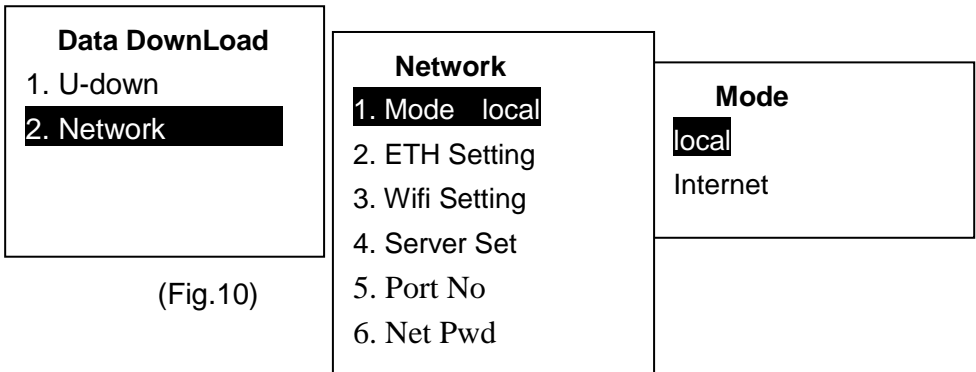
4. Up. Data Use a USB Flash Driver to delivery the register data that download from other machine to machine, if all the machine need the same register data.

2.2.2 Set machine communication settings

Through this section to set the machine communication Parametwe(the Machine Number, IP Address, Gateway & Port Number)

2.2.2.1 Choose Network

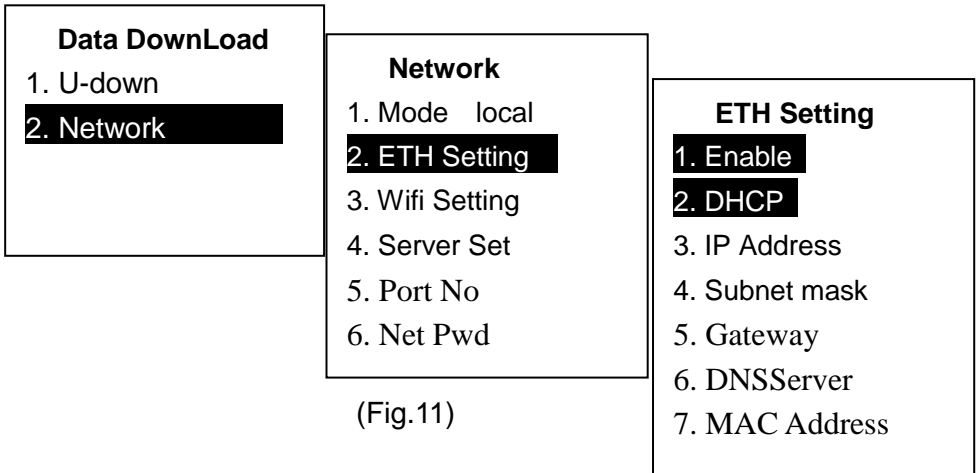
Though this section to choose the network your machine need .Select “Set COMM” →”Network”, and then press OK.



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Local	The local network
Internet	The WAN

2.2.2.2 Set Ethernet



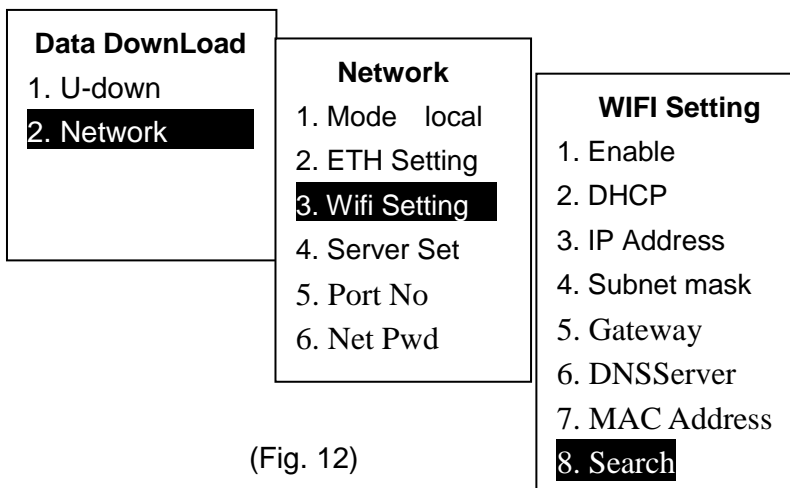
(Fig.11)

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Enable	Choose Yes or No
DHCP	Yes means get IP address automatically, No means set manually

2.2.2.3 Set WIFI

Though this section to set WIFI, "Search" means user can choose WIFI, input the password, and when it show "Connected", if means the WIFI set is success

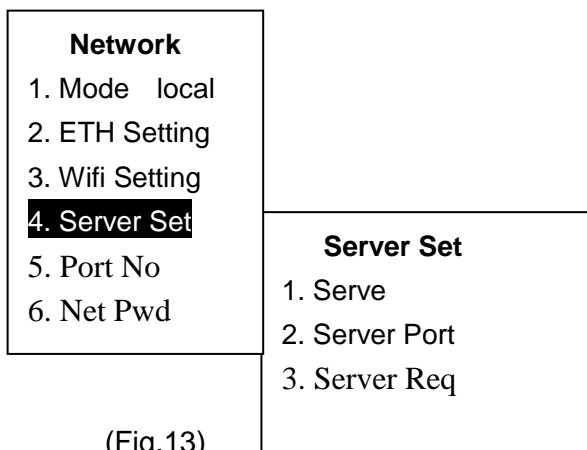


(Fig. 12)

2.2.2.4 Server settings

Through this section to set network server parameters

The fingerprint machine would set records to the server (PC)



(Fig.13)

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Server	Set the server IP Address
Server Port	Set the server Port No.
Server Req	Transform the data from the machine to the server

2.2.3 Kepad Guide

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Menu backspace

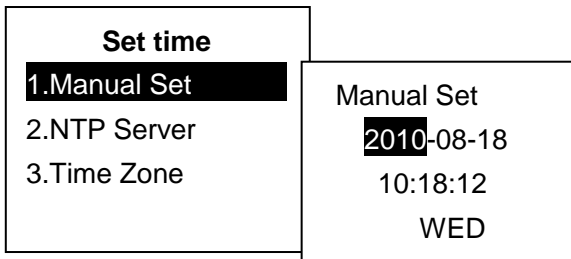
When the input method comes to the number statue, user can input number;

When the input method comes to the characters statue, press the number key '0'2 times ,and use can input'.'

2.3 Set time

2.3.1 Manual Set

Through this section to set the Machine Time. (Fig. 12)

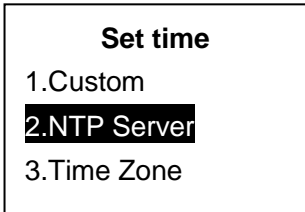


(Fig. 14)

Press “▲”“▼” & OK to select the Date & Time

2.3.2 NTP Server

Through this section to set the NTP IP Address. (Fig. 13)



(Fig. 15)

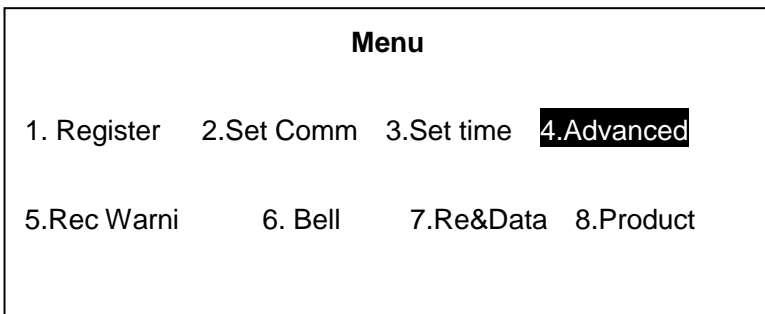
NTP Server :Network Time Protocol, Is a kind of through the Internet service in the computer clock time synchronization protocol.

2.3.3 Time zone

Through this section to set the time zone where the device is in.

2.4 Advance

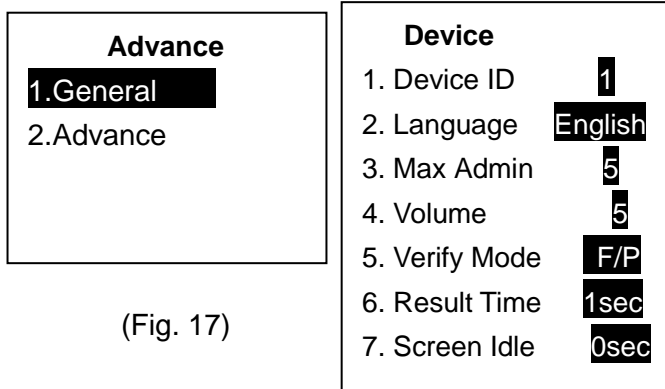
This command is to set Machine ID, Lanuage, Data Format, Voice out & Volumn, Contast, Auto Off & Record Delete ect.



(Fig. 16)

2.4.1 General Setting

Through this section to set the Machine ID, Language, Data Format, Voice out & Volumn ect.



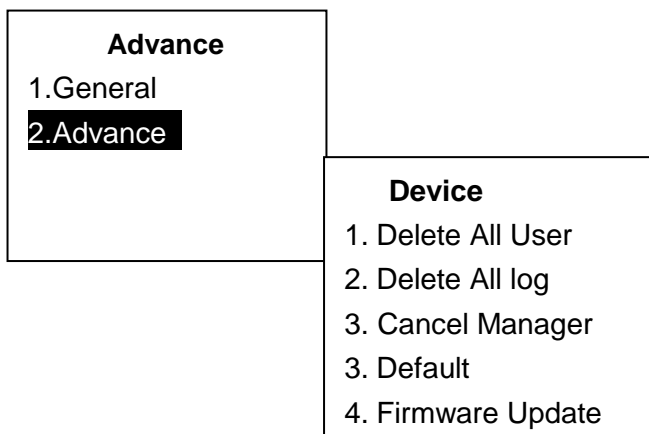
(Fig. 17)

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Device ID	Press OK & “▲” “▼” to select Machine ID.
Language	Press OK & “▲” “▼” to select language.
Max Admin	Press OK & “▲” “▼” to set the maximum administrator of the device
Volume	Press OK & “▲” “▼” to select voice volumn Initial setting is 5, Volumn from 1 – 8, 1 is the smallest and 8 is the largest
Verify Mode	Press OK & “▲” “▼” to select the verify mode “F/P” means fingerprint or password, “F+P” means fingerprint and password, press OK.
Result Time	Press OK & “▲” “▼” to set the machine back to the standby interface time.
Screen Idle	Press OK & “▲” “▼” to set the screen saver time.

2.4.2 Advance Setting

Through this section to delete all records, delete all enroll data, restore initialization settings & update firmware.

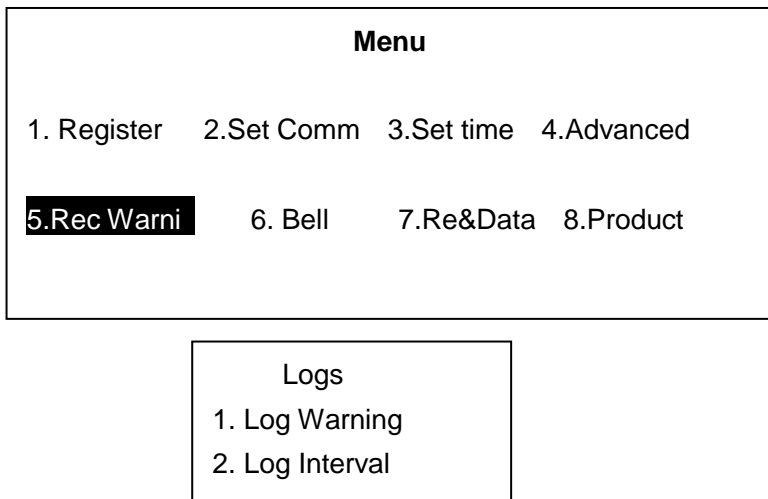


(Fig. 18)

Delete All User	Press OK & select Yes or No to delete all User data.
Delete All Log	Press OK & select Yes or No to delete all data
Cancel Manager	Press OK & select Yes or No to delete all manager.
Default	Press OK & select Yes or No to restore default settings
Firmware Update	Update Firmware by using USB Flash drive machine. Remain power on during updating process.

2.5 Set log

Through this command to set Admin Record Warning, User Record Warning, Re-verify time & view someone attendance records . (Fig. 19)



(Fig. 19)

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Log Warning

Admin Record Warning, Initial setting is “NO”
Setting below a number of memory space,
the machine will provide warning to remind for data
download. 0 = “NO” indicate no warning needed,
value set from 1 – 255, 255 means memory space
only left 255 memories can be used.

Log Interval

The time can be set. If user set 1min, then the
machine only will recorder the attendance data at
the first check in time in 1 minute. User’s attendance
record will useless in 1 minute after the first time
check in .

2.6 Bell setting

Through this section to set the bell ring time and times.

Menu	
1. Register	2.Set Comm 3.Set time 4.Advanced
5.Rec Warni	6. Bell 7.Re&Data 8.Product

Bell	
1. Count	255
2. Time01	00:00
3. Time02	00:00
4. Time03	00:00
5. Time04	00:00
6. Time05	00:00
7. Time06	00:00
8. Time07	00:00

(Fig.20)

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Count

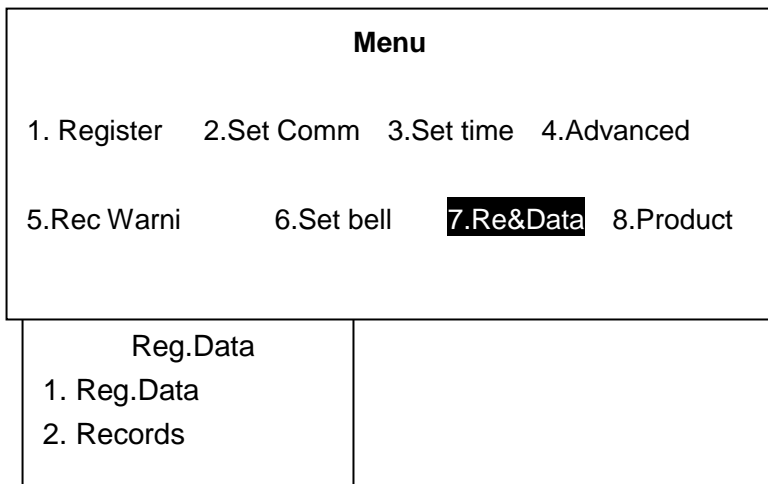
Set how much times the bell ring when it's time,
e.g. Count value is 12, meaning the bell will ring 12
times when it's time.

0 = "NO" ring, value from 1- 255.

Time set the time when the bell ring.

2.7 Re&Data

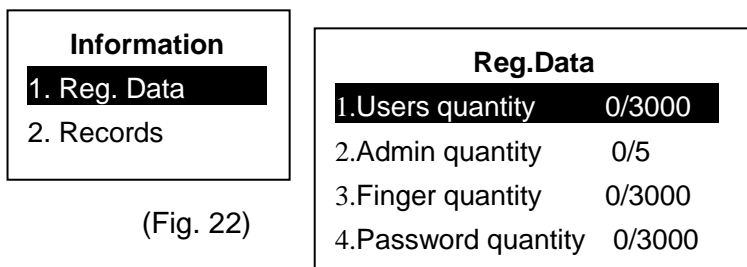
Through this section to Preview User Record, Storage Detail & System Detail. (Fig. 21)



(Fig. 21)

2.7.1 Storage Detail

Through this section to check User Register, Admin Register, Fingerprint, Password, ID Card, User Record, Admin Record, Free Space Information & All Space Information. (Fig. 22)



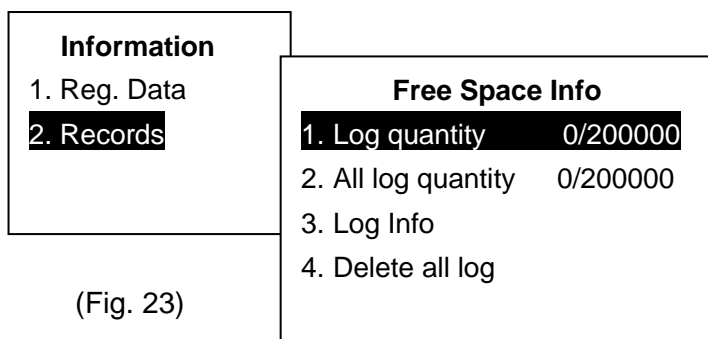
(Fig. 22)

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Users quantity	No. of User has been registered.
Admin quantity	No. of Admin has been registered
Finger quantity	No. of Finger has been registered
Password quantity	No. of Password has been registere

2.7.2 Records

Through this section to check Current free space available



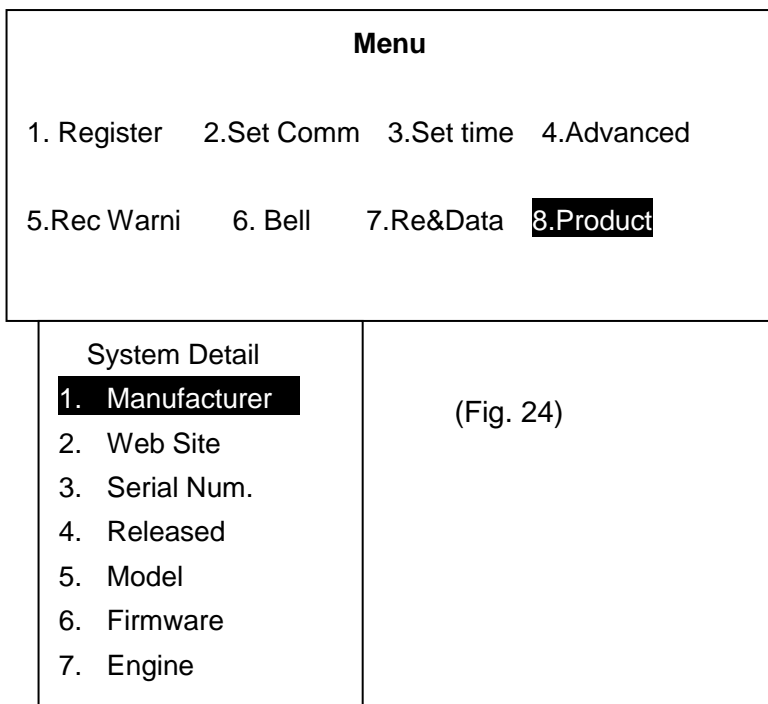
(Fig. 23)

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Log quantity	The attendance record
All log quantity	All the record
Log Info	Choose the user 's ID and the date then you can check the user's original attendance data
Delete all log	Delete all the record

2.8 Product

Through this section to check the Manufacturer name, Machine name, Release Time, Serial Number, Engine Version, Software Version & Update Firmware details. (Fig. 24)



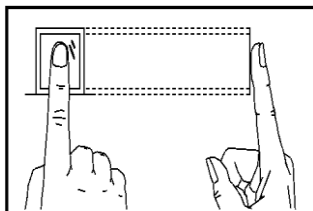
Index

Manufacturer	Showing Manufacturer name and website
Web Site	Showing manufacturer's website

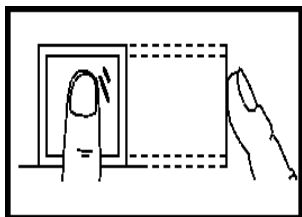
Serial Number	Showing Machine serial number
Release	Showing Release time
Model	Showing Machine Name or model number
Firmware	Showing Firmware version
Engine	Showing Algorithm version

Appendix – Attention to Fingers' Reading

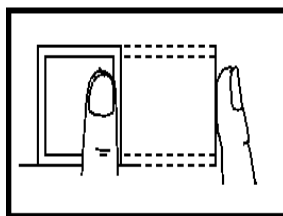
Note: try to put the finger in the middle of the reading window



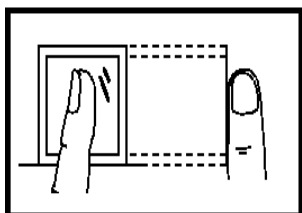
Right



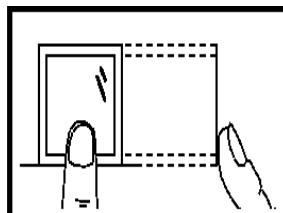
Not in center



Deflection



Incline



Low