



WatchNET Access Integrated Security Management Software

WAB P FCKS User Manual



User Manual



WAB P FCKS

Biometric Standalone Controller

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Revision History

Revision	Date	Author	Description of Changes
1.0	03/28/2014	Pradeep Kumaran	Manual Created.

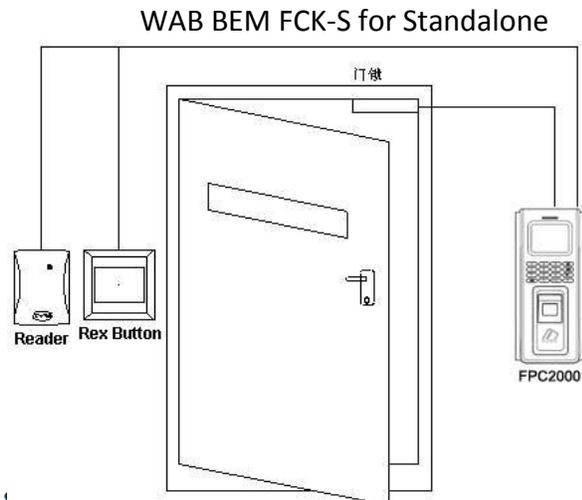
Chapter 1 Introduction

1.1 Summary

WAB BEM FCK-S is a new outstanding biometric standalone controller with TFT color display developed by WATCHNET. When WAB BEM FCK-S is used as a T&A controller the employees need to press their finger on the reader sensor to complete attendance. The TFT screen will display time and staff ID information. This system greatly improves the T&A simplicity and offer's a cost saving on traditional tags. When the WAB BEM FCK-S is used as an access controller the traditional key is no longer needed. The employees can enter their special area by flashing authorized cards. The WAB BEM FCK-S can by itself control both in and out doors and at least one reader is needed for one side. The other side can be controlled either by a reader or a Rex Button. The WAB BEM FCK-S provides a more convenient and secured access environment and it also makes it possible for managers to verify the time and attendance. The WAB BEM FCK-S is compatible with a large range of applications including, building management, enterprise management, government, military and prison.



WAB BEM FCK-S



Model Definition:

WAB BEM FCK-S/E----- Built in EM Card Reader

WAB BEM FCK-S/H----- Built in HID Card Reader

WAB BEM FCK-S/U----- Built in Mifare\CPU Card Reader

Supported Card Type:

E : EM Card ; Exp EM4100, TK4100 Series.

H : HID Card ; Exp: 1326、1386 Series.

U : FM1208 CPU Card, Philips S50, Mifare-1 Compatible

1.2 Features

- TFT color display with elegant appearance.
- Standard Wiegand 26/34 output and compatibility with Wiegand format access controller.
- Dust and water resistant and suitable for a wide range of installations.
- Quick responding and anti-interference, low power consumption and stable.
- WDT circuit, self-checking function.
- High speed fingerprint matching, 3000 fingerprints within 1 second.
- Multithreaded code that takes full advantage of multi-core CPU.
- 500dpi optical biometric sensor, scratch resistant.
- World leading fingerprint algorithm, resistant fake fingerprint.
- Support Chinese/English interface.
- Background picture and company name can be changed base on customer's requirement.
- Display card number, user name, employee ID and etc.

Specifications

- CPU : 400MHz DSP
- Memory : 4MB Flash memory+8MB RAM
- Fingerprint storage : 3000 pcs (expandable to 8000 pcs)
- Supported card :
 - E : Proximity EM4100 series
 - M : S50 compatible Mifare card or other compatible cards
- Biometric sensor : 500 dpi optical biometric sensor
- Verify mode : FP, Card, Card + FP, ID+FP
- Communication interfaces : Wiegand output, TCP/IP communicate
- Working voltage : 12VDC
- Working current ≤200mA
- Standby current ≤150mA
- Temperature : -20°C to 65°C
- Humidity : 0--95%
- Dimension : 197mm L x88mm W x 35mm
- Weight : 490 g

1.3 Application Mode

3 Application Modes :

- Standalone
- Outdoor external reader, indoor WAB BEM FCK-S
- Indoor external reader, outdoor WAB BEM FCK-S

Chapter2 Wiring Diagram

2.1 WAB BEM FCK-S Appearance

LED:

- Blue LED : Power indicator
- Green LED : Sensor indicator (Relay on indicator)

Keypad:

NO.	Key	Description	NO.	Key	Description
1	1	Numeral 1	9	9	Numeral 9
2	2	Numeral 2	10	0	Numeral 0
3	3	Numeral 3	11	Esc	Exit
4	4	Numeral 4	12		Door bell
5	5	Numeral 5	13		Delete
6	6	Numeral 6	14		Next/.symbol
7	7	Numeral 7	15	Menu	Menu
8	8	Numeral 8	16	Enter	Enter/Confirm

2.2 Wiring Diagram

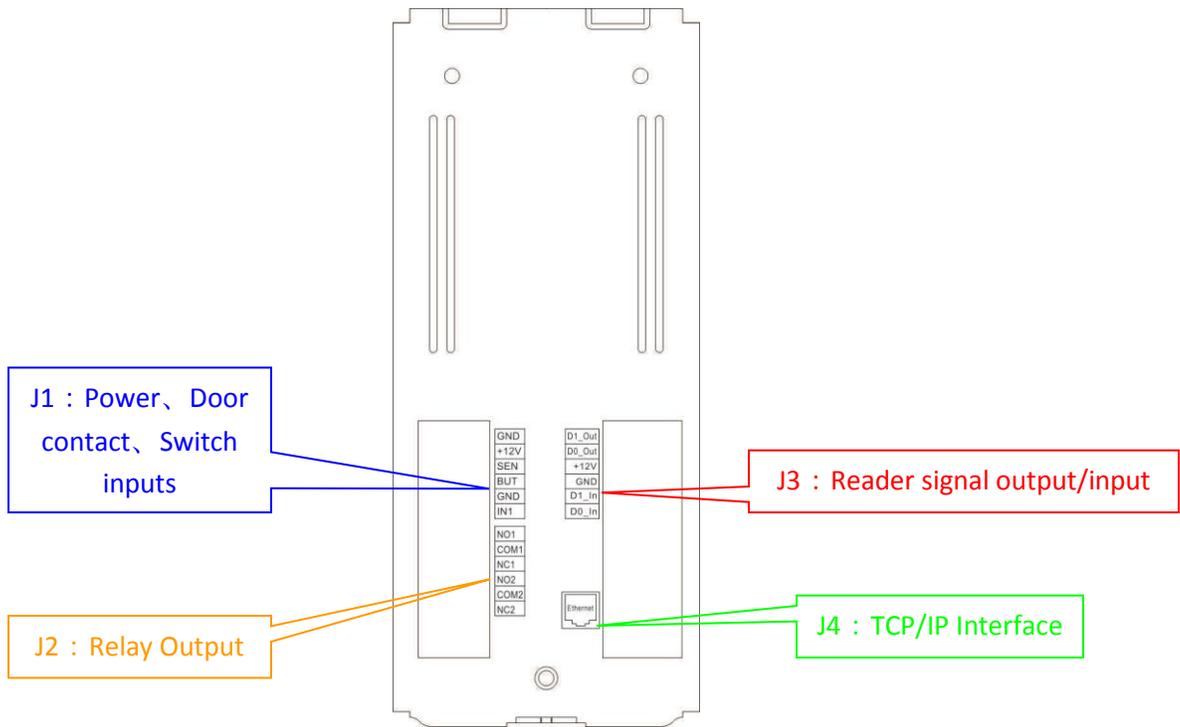


Figure 2-2 Wiring Sketch

Icon	NO	Connect ion	Definition	Icon	NO	Connecti on	Definition
J1	1	GND	Power supply Door contact, Rex Button, Auxiliary output	J3	13	D1_Out	Reader signal input/output
	2	+12V			14	D0_Out	
	3	SEN			15	+12V	
	4	BUT			16	GND	
	5	GND			17	D1_In	
	6	IN1			18	D0_In	
J2	7	NO1	Relay output	J4	19	RJ45	TCP/IP interface
	8	COM1					
	9	NC1					
	10	NO2					
	11	COM2					
	12	NC2					

Figure 2-1

Wiring Description :

J1: Power supply, Magnetic door contact, Rex Button, Auxiliary input

- ✓ 12V : DC 12V Positive
- ✓ GND : Ground
- ✓ SEN : Door contact
- ✓ BUT : Rex Button,
- ✓ GND : Ground
- ✓ IN1 : Auxiliary input

J2: Relay output

- ✓ Based on customized lock model and power requirement.

J3 Reader signal input/output

- ✓ D1_Out : Wiegand signal output
- ✓ D0_Out : Wiegand signal output
- ✓ +12V : DC 12V Positive
- ✓ GND : Ground
- ✓ D1_In: Wiegand signal input
- ✓ D0_In : Wiegand signal input

J4: TCP/IP interface

- ✓ Customer can set all configurations when it's connected to host PC. Moreover user authorization and exporting card events can also be done via manage software.
- ✓ To use a switch or directly connect to host PC via Ethernet port.

2.3 Lock Wiring Diagram

J4: Relay Output Lock Control

As shown below.

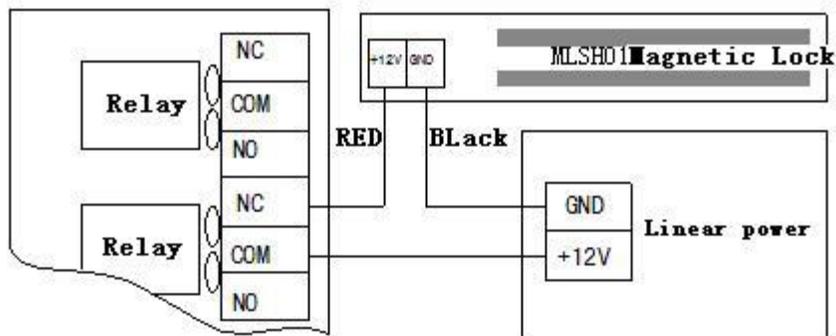


Figure 2-5 Lock Fail safe

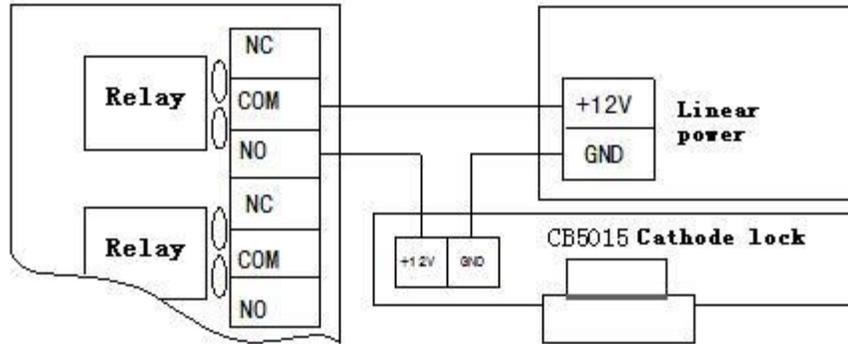
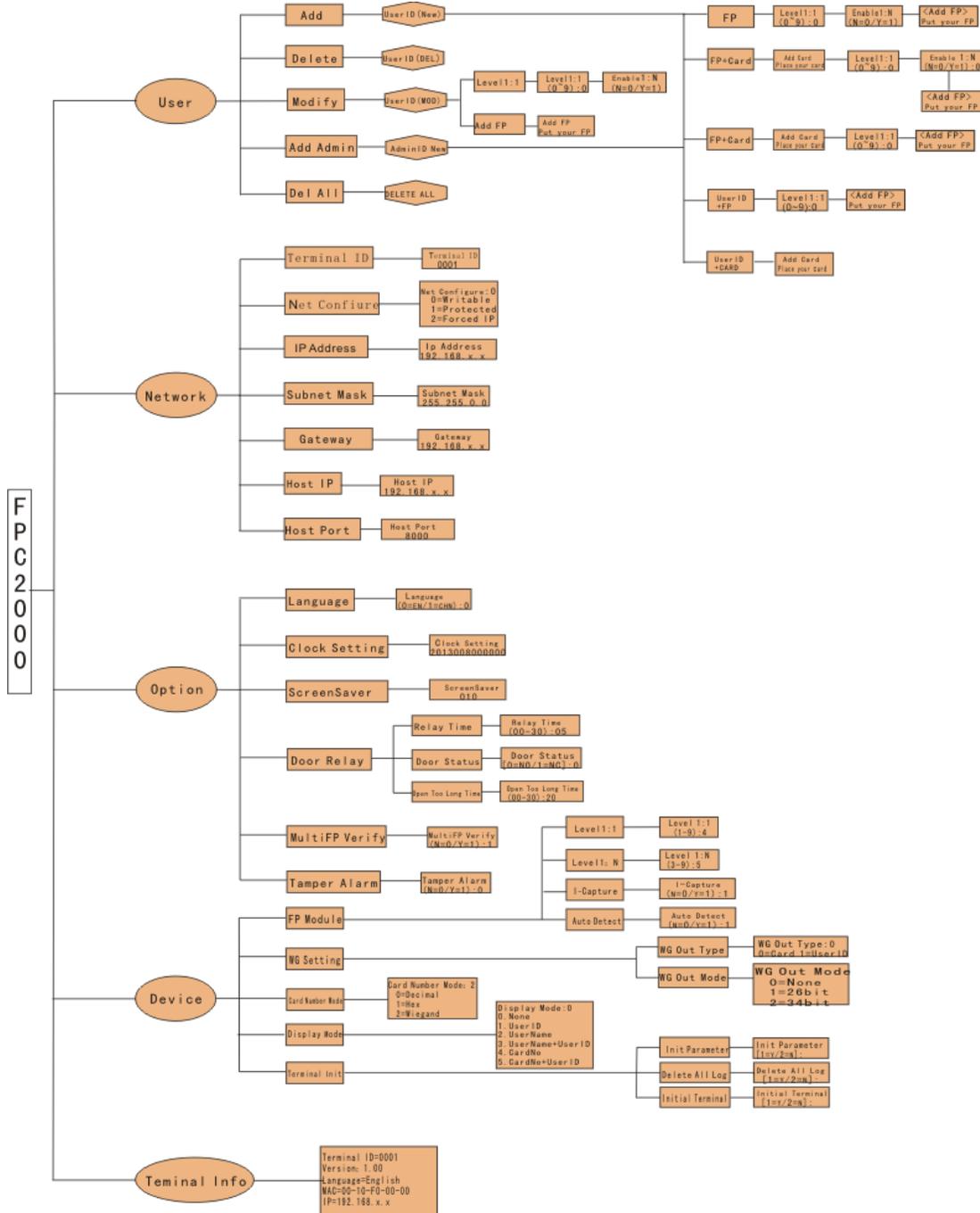


Figure 2-6 lock Fail secure

Chapter3 Instructions

User Management, PIN management, Work mode and Time set are configured in the manage menu. Menu structure is shown below.



3.1 Personnel Management

3.1.1 Add Personnel

1. Press the *Menu* button to enter *manage menu* when WAB BEM FCK-S is idle. In the following steps the *Esc* works as *cancel* while *Enter* works as confirm.

<p>WatchNET</p> <ol style="list-style-type: none">1. User2. Network3. Option4. Device5. Terminal Info
--

2. Press 1 to enter User interface. (As shown below)

<p>WatchNET</p> <ol style="list-style-type: none">1. Add2. Delete3. Modify4. Add Admin5. Delete All
--

3. Press 1 again to enter Add interface (As shown below)

<p>WatchNET</p> <p>New ID</p> <p>-----</p>

4. Input the new ID and press enter for the next interface. (As shown below)

<p>WatchNET</p> <ol style="list-style-type: none">1. FP2. FP/Card3. FP+CARD4. User ID+FP5. User ID + Card
--

3.1.1.1 FP

1. Press 1 to enter Add FP interface. (As shown below)

```
WatchNET
Level 1:1

(0~9) :0
```

2. Select a level according to customer's requirement (High level for high matching accuracy, but will slow down responding time), press Enter to enter the next interface.

```
WatchNET
Enable 1 : N
:
(N=0/Y=1) :
```

3. Press 0 to confirm that the FP is attached to the User ID, or press 1 for searching FP in the database. Press Enter to enter the next interface.

```
WatchNET
<Add FP>

Put Your FP
```

4. Place and remove your finger twice to finish registering. The screen will display "Add FP OK" and then go back to the main menu.

3.1.1.2 FP/Card

To enter the following interfaces refer to section 3.1.1.

```
WatchNET
1. FP
2. FP/Card
3. FP+CARD
4. User ID + FP
5. User ID + Card
```

1. Press 2 to enter add FP/Card interface. (As shown below)

WatchNET
Add card

Place your card

2. Place the card in the sensor area and the system will enter the next interface after a beeping sound.

WatchNET
Level 1:1

(0~9) :0

3. Select a level according to customer's requirement (High level for high matching accuracy, but will slow down responding time), press Enter to enter the next interface.

WatchNET
Enable 1 : N
:
(N=0/Y=1) :

4. Press 0 to confirm that the FP is attached to the User ID, or press 1 for searching FP in the database. Press Enter to enter the next interface.

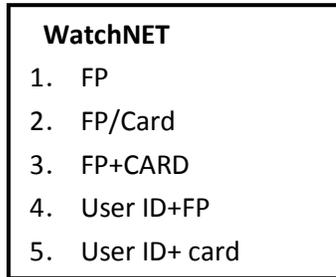
WatchNET
<Add FP>

Put your FP

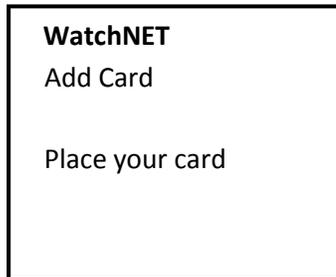
5. Place and remove your finger twice to finish registering. The screen will display "Add FP OK" and then go back to the main menu.

3.1.1.3 FP + Card

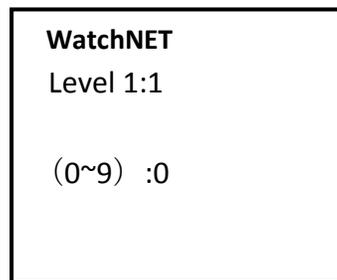
To enter the following interfaces refer to section 3.1.1.



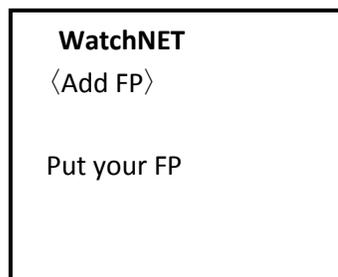
1. Press 3 to enter add FP + Card interface. (As shown below)



2. Place the card in the sensor area. The system will enter the next interface after a beeping sound.



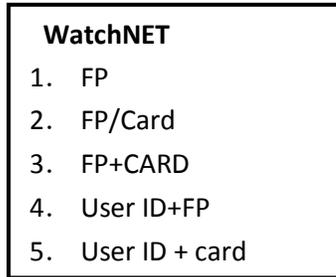
3. Select a level according to customer's requirement (High level for high matching accuracy, but will slow down responding time), press Enter to enter the next interface.



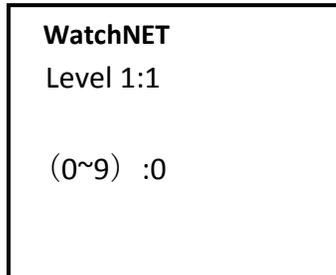
4. Place and remove your finger twice to finish registering. The screen will display "Add FP OK" and then go back to the main menu.

3.1.1.4 User ID + FP

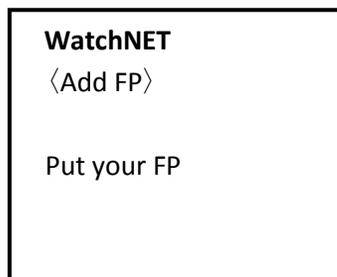
To enter the following interfaces refer to section 3.1.1.



1. Press 4 to enter add User ID + FP interface. (As shown below)



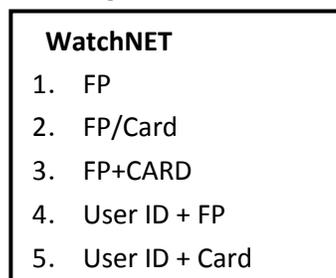
2. Select a level according to customer's requirement (High level for high matching accuracy, but will slow down responding time), press Enter to enter the next interface.



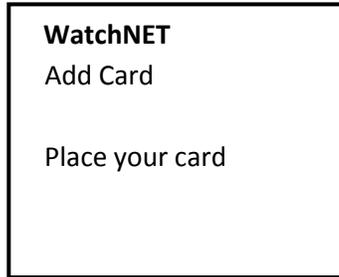
3. Place and remove your finger twice to finish registering. The screen will display "Add FP OK" and then go back to the main menu.

3.1.1.5 User ID + Card

To enter the following interfaces refer to section 3.1.1.



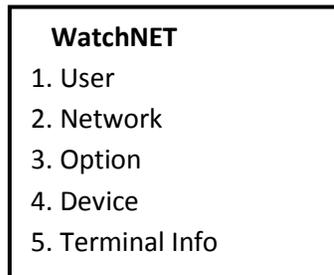
1. Press 5 to enter add User ID + Card interface. (As shown below)



2. Place the card in the sensor area. The system will enter the next interface after a beeping sound.

3.1. 2 Delete Personnel

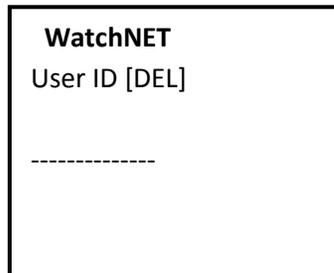
1. Press the Menu button to enter the manage menu when WAB BEM FCK-S is idle. In the following steps, *Esc* works as *cancel* while *Enter* works as confirm.



2. Press 1 to enter User interface. (As shown below)



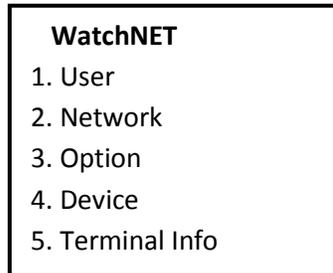
3. Press 2 to enter the Delete interface.



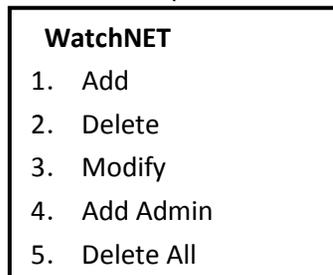
4. Input the User ID which is to be deleted, then press Enter to confirm.

3.1.3 Modify

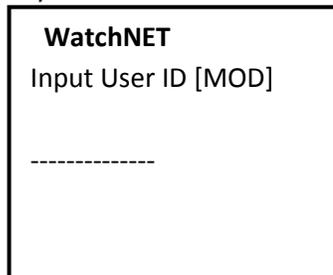
1. Press the Menu button to enter manage menu when WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 1 to enter the User interface. (As shown below)



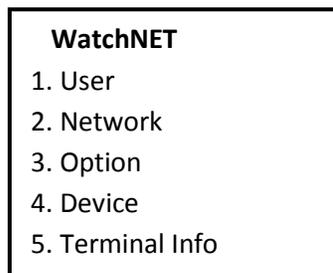
3. Press 3 to enter the Modify interface.



4. Input the User ID which is to be modified the customer can change configuration like level 1:1 or replace FP or card.

3.1.4 Add Admin

1. Press the Menu button to enter the manage menu when WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 1 to enter User interface. (As shown below)

WatchNET

1. Add
2. Delete
3. Modify
4. Add Admin
5. Delete All

3. Press 4 to enter Add Admin interface.

WatchNET

Admin ID (NEW)

4. Input new Admin ID and press Enter for the next interface. Refer to section 3.1.1.

3.1.5 Delete All

1. Press the Menu button to enter manage menu when WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.

WatchNET

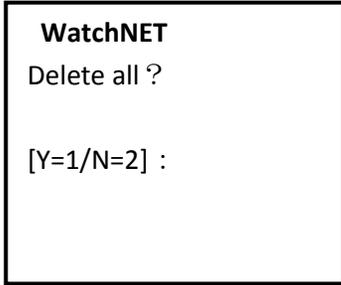
1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Press 1 to enter User interface. (As shown below)

WatchNET

1. Add
2. Delete
3. Modify
4. Add Admin
5. Delete All

3. Press 5 to enter the Delete All interface.

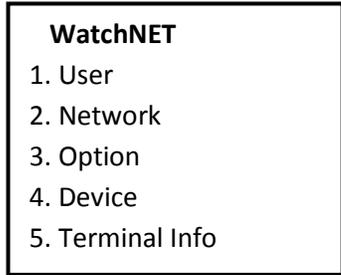


4. Press the corresponding number to select Yes or No and press Enter to confirm deletion.

3.2 Network Configuration

3.2.1 Terminal ID

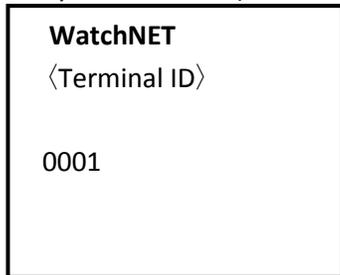
1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 2 to enter the Network interface. (As shown below)



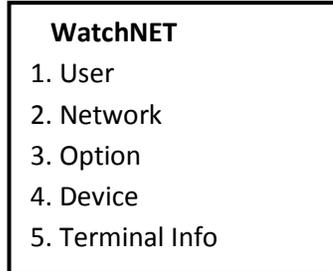
3. Press 1 to enter Terminal ID interface. ( stands for delete button,  stands for symbolic button)



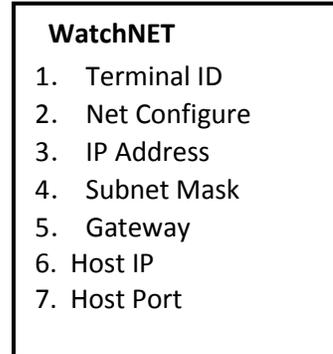
4. Input the Terminal ID by using the keypad and press Enter to confirm.

3.2.2 Net Configure

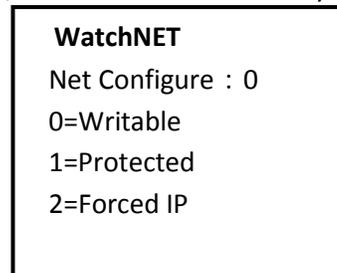
1. Press Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 2 to enter the Network interface. (As shown below)



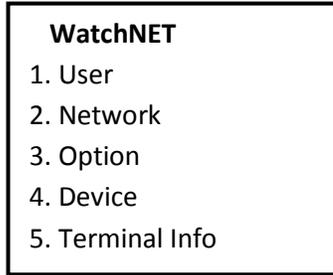
3. Press 2 to enter the Net Configuration interface. ( stands for the delete button,  stands for the symbolic button)



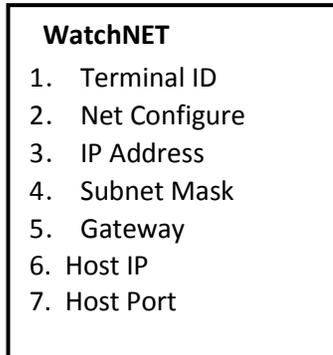
4. Select a configuration and input the corresponding number then press Enter to confirm.

3.2.3 IP Address

1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 2 to enter the Network interface. (As shown below)



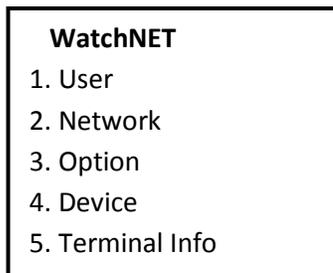
3. Press 3 to enter the IP Address interface. ( stands for the delete button,  stands for the symbolic button)



4. Input the IP address and press Enter to confirm.

3.2.4 Subnet Mask

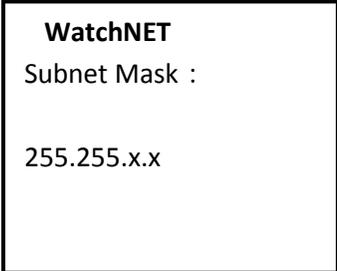
1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 2 to enter the Network interface. (As shown below)



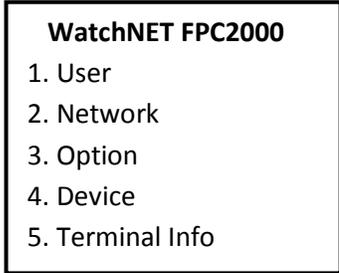
3. Press 4 to enter the Subnet Mask interface. ( stands for the delete button,  stands for the symbolic button)



4. Input your Subnet Mask and press Enter to confirm.

3.2.5 Gateway

1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 2 to enter the Network interface. (As shown below)



3. Press 5 to enter the Gateway interface. ( stands for the delete button,  stands for the symbolic button)

```
WatchNET
Gateway :

192.168.X.X
```

4. Input the Gateway and press Enter to confirm.

3.2.6 Host IP

1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.

```
WatchNET
1. User
2. Network
3. Option
4. Device
5. Terminal Info
```

2. Press 2 to enter the Network interface. (As shown below)

```
WatchNET
1. Terminal ID
2. Net Configure
3. IP Address
4. Subnet Mask
5. Gateway
6. Host IP
7. Host Port
```

3. Press 6 to enter the Host IP interface. ( Stands for the delete button,  stands for the symbolic button)

```
WatchNET
Host IP :

192.168.X.X
```

4. Input the Host IP and press Enter to confirm.

3.2.7 Host Port

1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.

```
WatchNET
1. User
2. Network
3. Option
4. Device
5. Terminal Info
```

2. Press 2 to enter the Network interface. (As shown below)

```
WatchNET
1. Terminal ID
2. Net Configure
3. IP Address
4. Subnet Mask
5. Gateway
6. Host IP
7. Host Port
```

3. Press 7 to enter the Host Port interface. ( Stands for the delete button,  stands for the symbolic button)

```
WatchNET
Host Port :

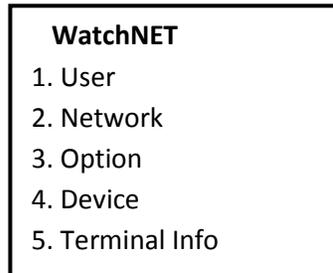
8000
```

4. Input the Host Port and press Enter to confirm.

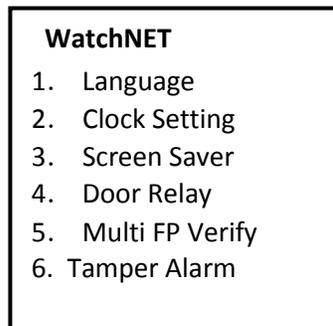
3.3 Option

3.3.1 Language

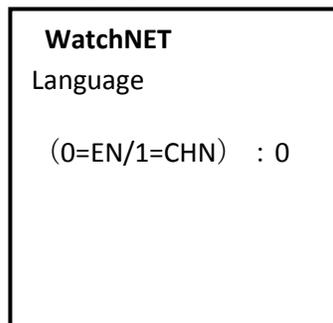
1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.



2. Press 3 to enter the Option interface. (As shown below)



3. Press 1 to enter the Language interface.(As shown below)



4. Press the corresponding number (0=English 1=Chinese) and press Enter to confirm.

3.3.2 Clock Setting

1. To enter the following interfaces refer to section 3.3.1.

WatchNET

1. Language
2. Clock Setting
3. Screen Saver
4. Door Relay
5. Multi FP Verify
6. Tamper Alarm

2. Press 2 to enter the Clock Setting interface.(As shown below)

WatchNET

Clock Setting

20130815095430

3. Input the accurate time and press Enter to confirm.

3.3.3 Screensaver

1. To enter the following interfaces refer to section 3.3.1.

WatchNET

1. Language
2. Clock Setting
3. Screen Saver
4. Door Relay
5. Multi FP Verify
6. Tamper Alarm

2. Press 3 to enter the Screensaver interface.(As shown below)

WatchNET

Screensaver (SEC) : 010

3. Input the interval time and press Enter to confirm.

3.3.4 Door Relay

1. To enter the following interfaces refer to section 3.3.1.

<p>WatchNET</p> <ol style="list-style-type: none"> 1. Language 2. Clock Setting 3. Screen Saver 4. Door Relay 5. Multi FP Verify 6. Tamper Alarm

2. Press 4 to enter the Screensaver interface. (As shown below)

<p>WatchNET</p> <ol style="list-style-type: none"> 1. Relay Time 2. Door Status 3. Open too long time

3. Each interface is shown below.

<p>WatchNET</p> <p>Relay Time</p> <p>(00-30) : 01</p>	<p>WatchNET</p> <p>Door Status</p> <p>[0=NO/1=NC]:0</p>	<p>WatchNET</p> <p>Open too long time</p> <p>(00-30) : 20</p>
--	--	--

Relay Time : Relay activate time

Door Status : NO stands for Door normal open, NC stands for door normal close.

Open too long time : Interval time to alarm if door remains opened.

3.3.5 Multi FP Verify

1. To enter the following interfaces refer to section 3.3.1.

<p>WatchNET</p> <ol style="list-style-type: none"> 1. Language 2. Clock Setting 3. Screen Saver 4. Door Relay 5. Multi FP Verify 6. Tamper Alarm

2. Press 5 to enter the Multi FP Verify interface. (As shown below)

```
WatchNET

(N=0/Y=1) :1
```

3. 0 stands for not enabling Multi FP Verification while 1 stands for affirmative. Press Enter to confirm.

3.3.6 Tamper Alarm

1. To enter the following interfaces refer to section 3.3.1.

```
WatchNET

1. Language
2. Clock Settings
3. Screen Saver
4. Door Relay
5. Multi FP Verify
6. Tamper Alarm
```

2. Press 6 to enter the Tamper Alarm interface. (As shown below)

```
WatchNET

Tamper Alarm

(N=0/Y=1) :1
```

3. 0 stands for not enabling Tamper Alarm while 1 stands for affirmative. Press Enter to confirm.

3.4 Device

3.4.1 FP-Module

1. Press the Menu button to enter the manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.

WatchNET

1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Press 4 to enter the Device interface. (As shown below)

WatchNET

1. FP-Module
2. WG Setting
3. Card Number Mode
4. Display Mode
5. Terminal Init

3. Press 1 to enter the FP-Module interface. (As shown below)

WatchNET

1. Level 1:1
2. Level 1: N
3. I-Capture
4. Auto Detect

4. Press the corresponding letter to enter each interface as shown.

WatchNET
Level 1:1

(1-9) : 4

WatchNET
Level 1 : N

(3-9) : 5

WatchNET
I-Capture

(N=0/Y=1) : 1

WatchNET
Auto Detect

(N=0/Y=1) : 1

Level 1:1 : Verify FP with all the registered FP, high level for high matching accuracy, but will slow down responding time.

Level 1:N : Verify FP with all FP in the database, high level for high matching accuracy, but will slow down responding time.

I-Capture : Press 1 to enable I-Capture, 0 to disable I-Capture.

Auto Detect : Press 1 to enable I-Capture, 0 to disable I-Capture.

3.4.2 WG Setting

1. To enter the following interfaces refer to section 3.4.1.

WatchNET

1. FP-Module
2. WG Setting
3. Card Number Mode
4. Display Mode
5. Terminal Init

2. Press 2 to enter the WG Setting interface. (As shown below)

WatchNET

1. WG Out Type
2. WG Out Mode

3. Press the corresponding key to enter each interface as shown.

WatchNET

WG Out Type : 0

0=Card

1=User ID

WatchNET

WG Out Mode : 2

0=None

1=26bit

2=34bit

WG Out Type : Select the needed type by pressing the corresponding keys.

WG Out Mode : Select the needed type by pressing the corresponding keys.

3.4.3 Card Number Mode

1. To enter the following interfaces refer to section 3.4.1.

WatchNET

1. FP-Module
2. WG Setting
3. Card Number Mode
4. Display Mode
5. Terminal Init

2. Press 3 to enter the Card Number Mode interface. (As shown below)

WatchNET

Card Number Mode : 2
0=Dec
1=Hex
2=Wiegand

3. Card number is displayed on the screen, Press Enter to confirm your choice after finishing selecting Card Number Mode.

3.4.4 Display Mode

1. To enter the following interfaces refer to section 3.4.1.

WatchNET

1. FP-Module
2. WG Setting
3. Card Number Mode
4. Display Mode
5. Terminal Init

2. Press 4 to enter the Display Mode interface. (As shown below)

WatchNET

Display Mode : 3
0. None
1. User ID
2. User Name
3. User Name +
 UserID
4. Card No
5. CardNo + UserID
6. CardNo +
 UserName

- There are 7 options to choose from, input the corresponding number and press Enter to confirm.

3.4.5 Terminal Initialize

- To enter the following interfaces refer to section 3.4.1.

<p>WatchNET</p> <ol style="list-style-type: none"> FP-Module WG Setting Card Number Mode Display Mode Terminal Init

- Press 5 to enter the Display Mode interface. (As shown below)

<p>WatchNET</p> <ol style="list-style-type: none"> Init Parameter Delete All Log Initial Terminal

- Press the corresponding key to enter each interface as shown.

<p>WatchNET</p> <p>Init Config</p> <p>[1=Y/2=N] :</p>	<p>WatchNET</p> <p>Delete All Log</p> <p>[1=Y/2=N]</p>	<p>WatchNET</p> <p>Initial Terminal</p> <p>[1=Y/2=N]</p>
--	---	---

Init Parameter : Initialize all parameters

Delete All Log : Delete all personnel data, FP and attendance Log

Initial Terminal : Set terminal to defaulted status.

Note : Initial Terminal will clear all data in the device.

3.4 Terminal Info

- Press the Menu button to enter manage menu WAB BEM FCK-S is idle. In the following steps, Esc works as cancel while Enter works as confirm.

WatchNET

1. User
2. Network
3. Option
4. Device
5. Terminal Info

2. Press 5 to enter the Terminal Info interface. (As shown below)

WatchNET

Device ID=0001
Version : 1.00
Language=English
MAC=00-10-F0-00-43-1D
IP =192.168.4.207

The screen will show the basic information of the device, such as Device ID, Version, Language, Mac Address and IP Address.

3.5 Door Open Mode

1 FP Mode

Application : Press your finger on the reader sensor of WAB BEM FCK-S, if verified, the screen will display verify OK and display User ID, User Name and Card Number. Then the relay will open the door. If verify failed then the WAB BEM FCK-S will beep three times and display – “Please try again, door remains closed.”

Note : Only the registered personnel can pass verification.

2 FP/Card

Used to open doors with fingerprint or card.

3 FP + Card

Application : Flash a registered card and FP.

Flash a registered card the WAB BEM FCK-S will make a long beeping sound then put your finger on the reader, if verified then door will open. The interval time between flashing card and verify FP is 8 seconds.

4 User ID+FP or User ID + Card

Application: Input your User ID by using the keypad and then verify your FP or flash your card to complete the access process.

Chapter 4 Installation

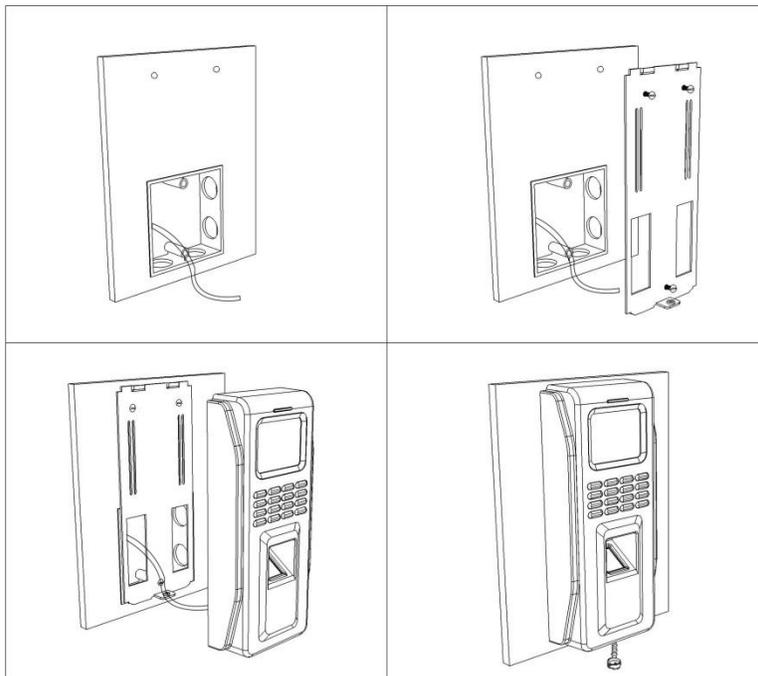
4.1 In the Wall

1. Use the installation box: Drill a hole on the wall (size: 86 x 86mm) where you want to install your reader. Then install the installation box in the hole.



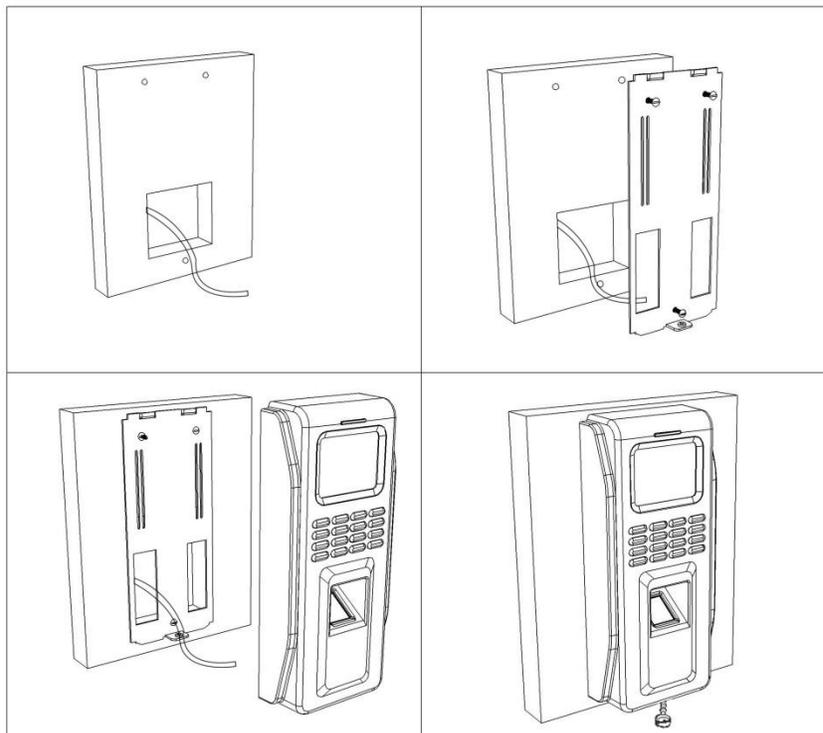
Installation box (Standard 86 box, single)

2. Wiring: Pull the wiring between reader and controller.
3. Connection: Please refer to chapter 2 of the connections.
4. Fix base plate: Use a M4*30 screw to fix the bottom of the base plate on the installation box. Two $\phi 6$, deep 40mm holes should be drilled on the upper side then slide two rubber plugs into the holes and fix the base plate with two $\phi 4$ mm, 30mm screws.
5. The upper side of the WAB BEM FCK-S should be fixed on the base plate first then place the reader in a vertical position and use a M3*4 screws to fix it.



4.2 Without Installation Box

6. Cut a square hole in the wall. Width 70mm Height 60mm.
7. Wiring: Pull the wire between reader and controller.
8. Connection: Please refer to chapter 2 of the connections.
9. Fix base plate: First drill 3 $\phi 6$, deep 40mm holes and put rubber plugs in. then place the reader in a vertical position and use a M3*4 screws to fix it. If the reader is to install on metal frame then please make sure the frame width is above 90mm then cut a square hole in the wall. Width 70mm Height 60mm, drill 3 $\phi 6$, deep 40mm holes and tap them with M4 screw tap. Finally place the reader in a vertical position and use a M3*4 screws to fix it.



Chapter 5 FAQ

NO	Descriptions	Solution
1	No response on flashing a card (indicator off, buzzer no beeping)	<ul style="list-style-type: none"> ● Power problem (check power supply) ● Invalid card type (use supported card)
2	Door stays opened	<ul style="list-style-type: none"> ● Set short relay time in manage menu
3	FP or card information missing	<ul style="list-style-type: none"> ● Register FP/Card in PC.(Connect to PC first)
4	Cannot open door by flashing card or FP.	<ul style="list-style-type: none"> ● Device not powered up (WAB BEM FCK-S、 Lock) ● Invalid card/FP (register your card/FP) ● Door open mode (Set to Card or Card / FP)
5	Cannot open the door when it's Card + FP mode	<ul style="list-style-type: none"> ● Invalid card (register your card) ● Invalid FP (register your FP) ● Over interval time between flash card and verify FP.
6	Doorbell not working	<ul style="list-style-type: none"> ● No connected door bells ● Cable problem ● Faulty door bells
7	Wrong Time/Date	<ul style="list-style-type: none"> ● Set Time/Date in manage menu.