MFBio

Web Configuration

【Content】

－WEB Configuration－

◆ Log In to WEB browser

MFBio featured an in-built HTTP server to serve MFBio to be browsing and configuring data over web browser.

◆ Prepare to establish connection with MFBio

Before processing to MFBio configuration, need to double check:

● Computer has connected to MFBio as a physical connection within same Local Area Network (LAN), and power supply for MFBio is normal.

● Default IP for MFBio is（192.168.0.66）, check for any IP duplication at the same LAN.

◆ How to get to work of MFBio Web browser

1、When Computer has well connected with MFBio in at the LAN, using IP search utility **SEMACSearch** to gather all MFBio machine(s) at the LAN into the list. SEMACSearch utility attached with product package or download from CHIYU web site (www.chiyu-t.com.tw).

Desktop Icon for the SEMACSearch is as following:

2、Tap the SEMACSearch utility icon to create Internet connection for the device(s):
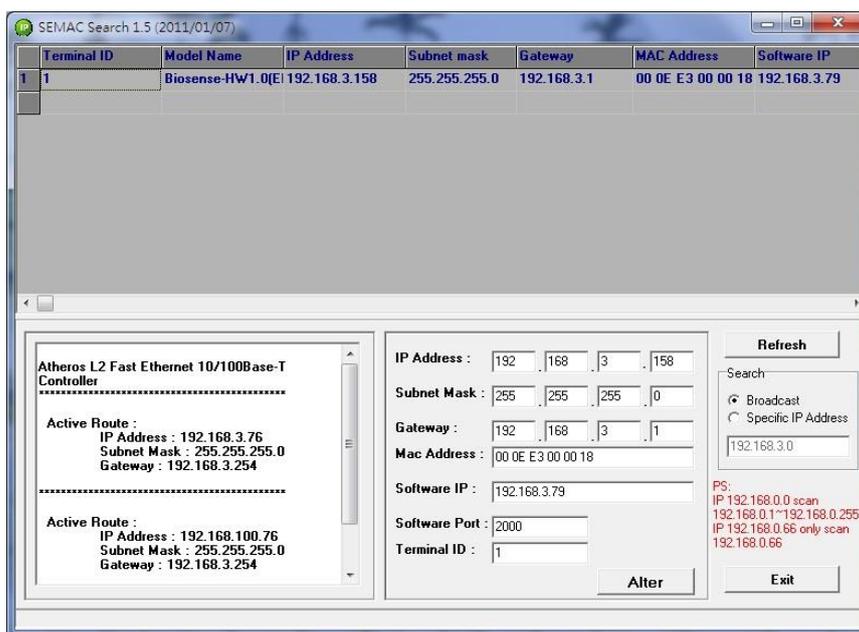
3、When SEMACSearch configuration box pop-up, all MFBio devices will be displaying on the list including individual Terminal ID、Model Name、IP Address、Subnet Mark、Gateway、Mac Address、Software IP. Tap one of MFBio from the list will display related information for the MFBio.
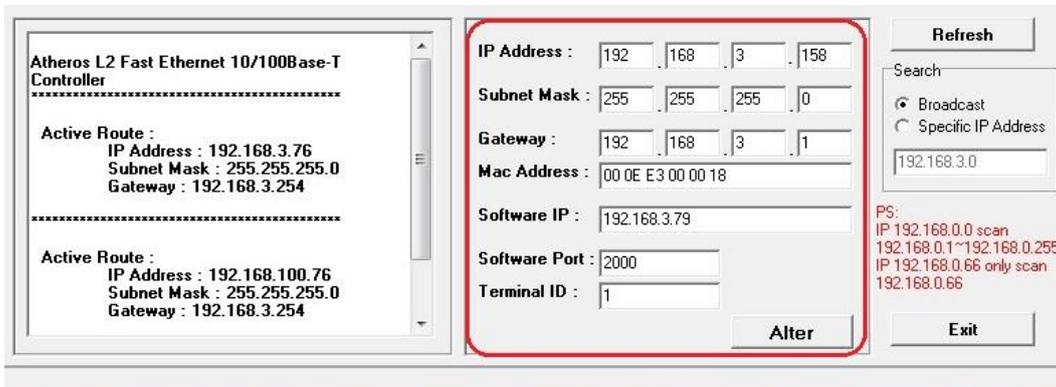
4、MFBio IP information can be modified: IP Address、Subnet Mask、Gateway、Software IP、Software Port、 Terminal ID. Tap **Alter** to finish to moification.
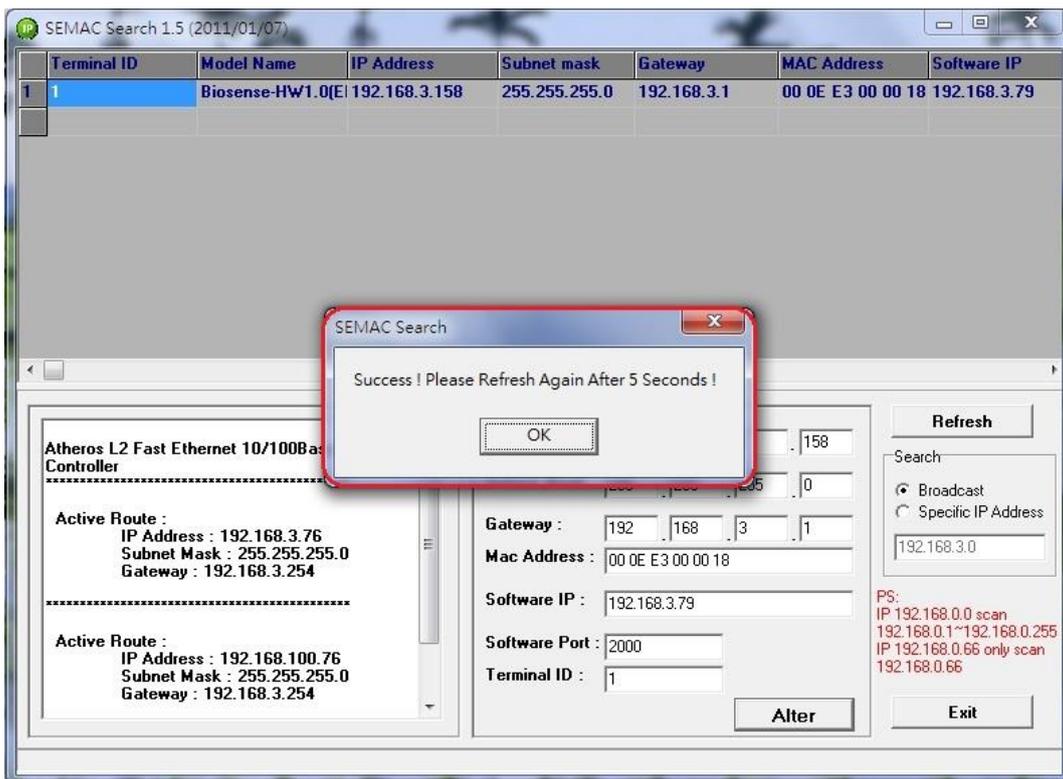
5、When rectification is done, tap **Refresh** to check connection result, then tap **Exit** to exit.
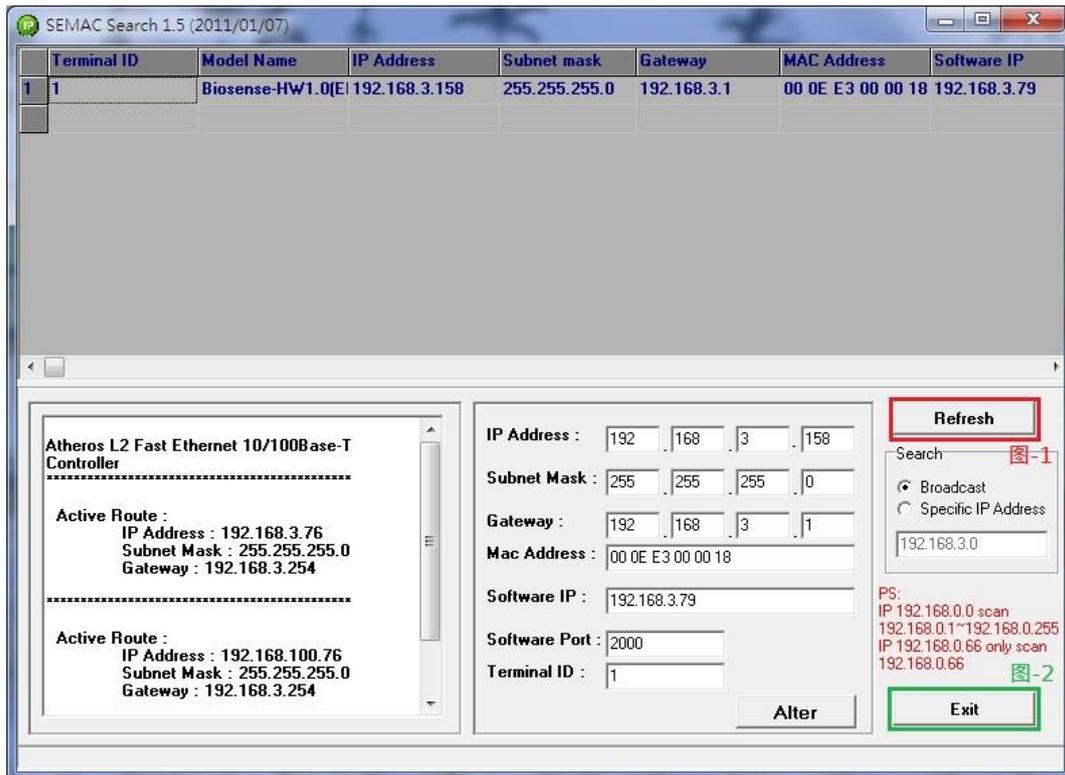
6、With two different methods to enter to web server of MFBio:

    (1) Run the utility SEMACSearch then choose one MFBio from the list. Double click the item from the list to enter to MFBio web server.

    (2) Input MFBio IP on the URL bar to enter to MFBio web server.

Double check Operation System on computer and MFBio devices are in the same Local Network Area. Examples for Windows XP and Windows 7 :

A. For **WINDOWS XP**

Step 1：Tap "My computer" → Control Panel → Network

Step 2：Tap Area Network → Content → Area Network Setup→

        Tap Internet Protocol(TCP/IP) to configure LAN IP segment same with MFBio's
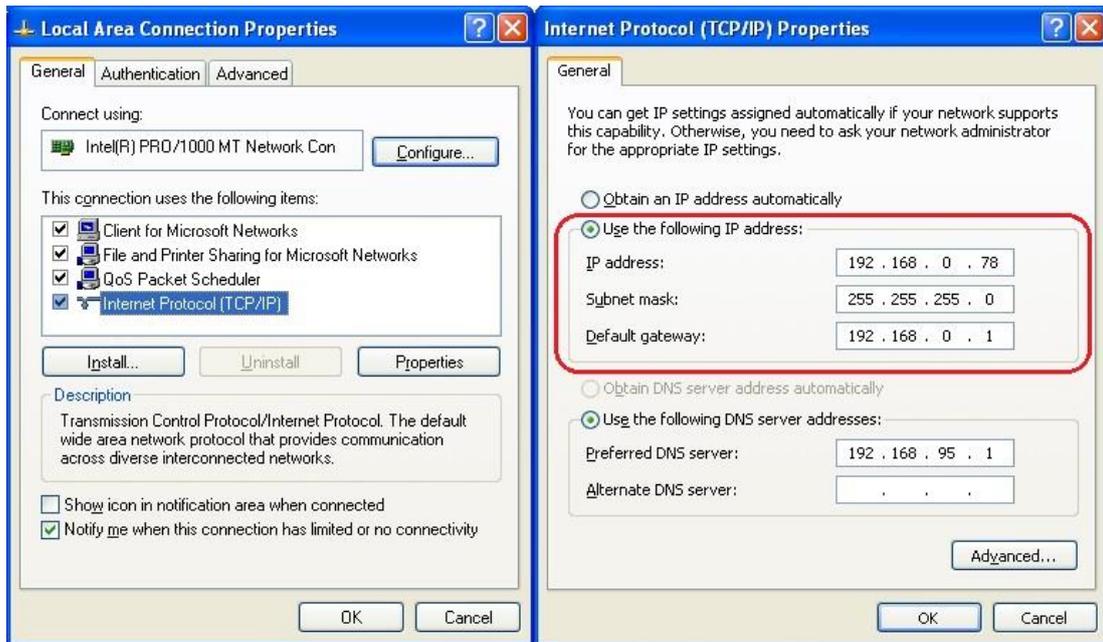
For WINDOWS 7

Step 1：Tap Control Panel from Windows 7→ Search Network Center→ Tap Change
　　　Interface card and then get into Local Network

Step 2：Tap Area Network→ Content → Area Network setup→ Click **Internet**
　　　Protocol(TCP/IPv4) → Set the IP segment same with MFBio.
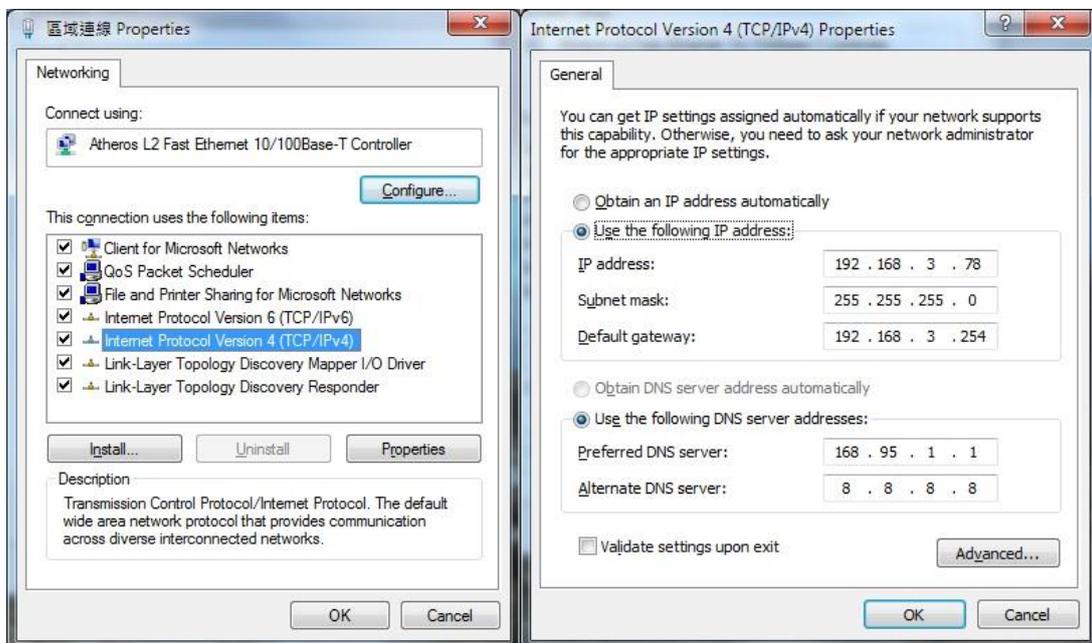
1、MAC Address cannot be modified.
2、Teminal ID should not be duplicated.

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◆ Enter to MFBio web server by Internet Browser

1、Run Internet Browser and input IP of MFBio to the URL bar. Default IP：http://192.168.0.66

2、When failure on connection, double check:

- Power supply is normal or not.

- LAN connection is normal or not can be detect by Command line: Tool
  →Execute→Input "cmd" to run MS-DOS command line→ Input "ping 192.168.0.66"
  to test connection of MFBio:
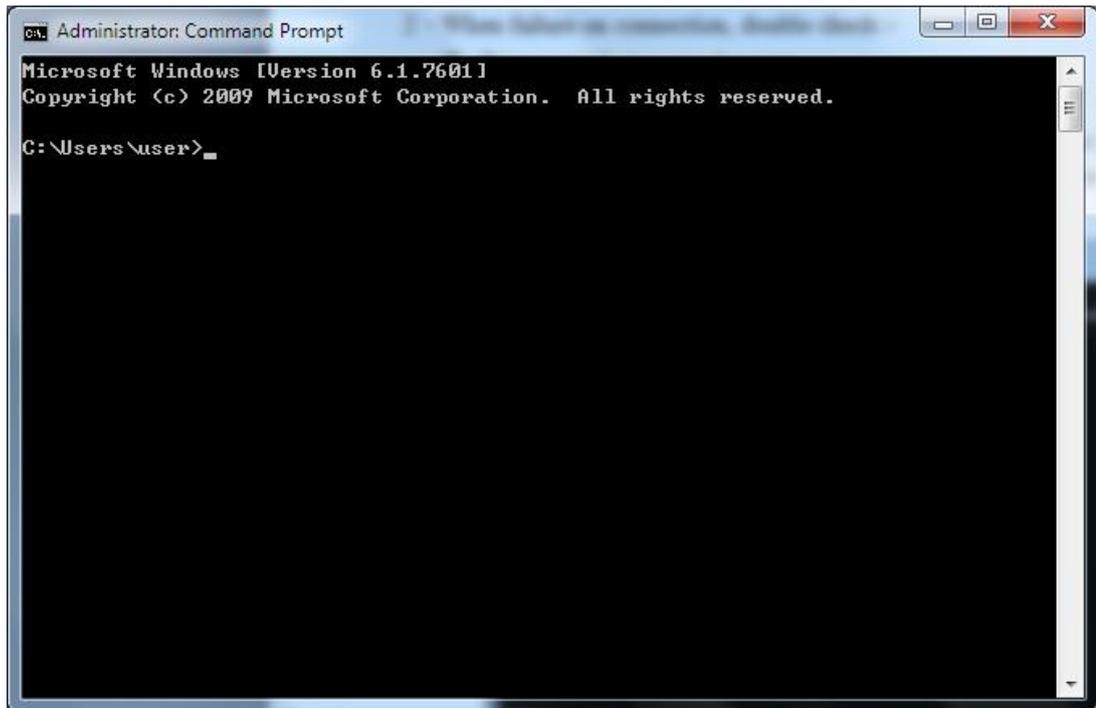
- If no response, it is necessary to check and adjust IP information between Computer
  and MFBio devices. (Same LAN IP segment is needed)

- Set computer IP information the same with MFBio IP segment. When computer is
  using Static IP then it should be changed to within 192.168.0.1 ~ 192.168.0.65 or
  192.168.0.67 ~ 192.168.0.254."Subnet Mask"should be 255.255.255.0

3、When connection between computer and MFBio is established, system will pop up an UserID/Password dialogue box. Default name is：**admin / admin**

4、Input User name and Password to enter to MFBio's Web server.

➢ Main Page (Terminal Information)

TERMINAL STATUS

Product Name :	Biosense(M1)(20000)
Serial No. :	026b58(222720)
Firmware Version :	1.00.02,Dec 27 2012(HW1.1)
System Time :	01/06/2013 17:35:17
Terminal ID(MAC Address) :	1(00:0e:e3:02:6b:58)
IP Address :	192.168.2.100
Subnet mask :	255.255.255.0
Default Gateway :	192.168.2.1
Primary DNS :	168.95.1.1
Listen Port/Software IP(status) :	2000 / 0.0.0.0 (Offline)
Web Management Port :	80
Registered User :	0
Available User Capacity :	20000
Registered FP :	0
Available FP number :	9590
Access/System Log Count :	0/5
Control Mode :	Controller(WG34)
Anti-Pass-Back(Tolerance Timer) :	Disabled(0)
Next Biosense(Status) :	0.0.0.0(Offline)

Sidebar navigation:

User Administration
Access Log
Auto Refresh Log
View User List
Add User

Terminal
Terminal Status
Terminal Setup
Password Setup
System Log
Clock Setup

Access Control
Time Set
Time Zone Setup
Group List
Holiday Setup
Door Setup
Remote Control
Event Handle

Tools
IP Camera
Backup
Restore
Reboot
Upgrade Firmware
Reset

【Main Page】- 1

◆ About Main Page

Using menu bar to browse main page functionality:

► Account Management	
Access Log	1、Inquiry to all access logs 2、Inquiry by certain criteria and extract access log and event records with Text or Excel format report
Auto Refresh	Displaying real time access log
User List	1、Displaying all user list 2、Modify/Delete/Inactive/Active user account
Add User	1、Add single user's account 2、Add many user's accounts
Fingerprint Synchronization	Synchronized fingerprint templates between fingerprint devices when more than 1 fingerprint access controllers are connected the same time.
► Terminal	
Terminal Information	Displaying terminal information as：Terminal ID, Model name, Firmware version…etc
Terminal Setup	1、Setup Terminal criteria as：Terminal ID, Control mode, Language mode…etc 2、System and hardware reboot after configuration is done
Password Setup (Web log in)	1、Setup web log in Password for Administrator, User, Sub-User 2、Setup Common password 3、Terminal reboot after Password setup is done
System Log	1、Displaying system log for terminal 2、Extraction system log report as TXT or Excel format
System Time Rectification	1、Setup Network Time Server and Time Zone 2、Setup System time
► Access Control	
Time Set	Setup Time Set (255 time sets provide)
Time Zone	Setup Time Zone. Each Time Zone provide Monday to Sunday and Holidays (120 Time Zone provide)
Group	Setup Group (255 Groups provide)
Holiday	Setup Holiday (100 Holidays provide)
Door Setup	Door setup time zone for door with Exit button, Unlock, APB Time Zone
Remote Control	1、Displaying entrance/exit status 2、Displaying fire alarm detection status 3、Remote Control for entrance/exit such as: Remotely force open, Remotely Impulse open, Remotely emergency open 4、Event alarm released 5、Turn on/ Turn off fire alarm detection function
Event Handle	1、Setup Event type and latched time. 2、Setup E-mail alert information

►Tools	
IP Camera	1、Displaying IP Camera IP address, type, and account name, password 2、Displaying IP Camera screen shot pictures (Latest one)
Backup	Backup for user list and terminal configuration
Restore	Restore for user list and terminal configuration
Reboot	System reboot
Firmware upgrade	Update firmware
Delete	1、Delete information 2、Set to Factory Default value
►Button	
Refresh	Refresh Web screen

➢ **Account Management**

◆ **Access Log**

Press Access Log to check log information：

Access Log

No.	User ID	User Name	Date	Time	IN/OUT	Door	Note.

No Log Data

Query and Export

Type
◉ user ○ event

Selection
◉ Single ○ All

Start Date
2013/01/07

End Date
2013/01/07

User ID

Card No.

Export Type
◉ Txt ○ Xls

Search   Export

【Access Log】- 2

◆ About Access Log

►Description for the Access Log list	
No.	Serial Number
User ID	User ID for Log in/ log out. Tap User ID for a hyper link to modification screen. (Deleted user ID cannot be link) ※ User type will be indicated after User ID with Parenthesis, can be subdivide to： **Normal user (N)、Administrator(S)、Visitor(V)、Guard tourG)**
Name	User name for log in/log out. Name field could be empty when nothing input to the user name field.
Date	Date for Log in / Log out
Time	Time for Log in/ Log out
In/Out	In/Out records indication ※ APB level will be indicated with parenthesis
Door No.	Door no. for the MFBio
Remark	Displaying access log: ● Normal open for door: when user log on by card, will display (C), or when user log on by fingerprint, will display (F). ● Abnormal door open: when door is opened by abnormal method, such as: Anti duress, fire alarm…etc. ● Un-registry card will display the card number.
First	First page to access log record
Previous 10 page	Forward 10 pages
1 2 3…N	Move to certain page
Last 10 page	Backward to last 10 page
Last	Last page to access log record
►Inquiry and extraction	
Type	1、By ticking user account(s) to search and extract report 2、By ticking event type to search and extract even handle records
Number	1、**Single**：Only inquiry/extract access log for single user, or under 5 types of event handle records. 2、**All**：Inquiry / Extract all access logs or event records
Start /End date	Setup date criteria period to search the access log
User ID	Input user ID to inquiry/extract report
User Card no.	Input user card no. to inquiry/extract report
Event	Select and input event type to further inquiry. Up to 5 event types can be inquiry.(select by pull down menu)
►Button	
Inquiry	Setup searching criteria then tap Search button to search
Extract	Setup extraction criteria, tap Extract button to extract report as TXT or Excel format.

◆ Auto Refresh

Press Auto Refresh will enter to Auto Refresh log screen.：

Auto Refresh Log   Mon Jan 7 2013 18:00:52 UTC+0800

No.	User ID	User Name	Date	Time	IN/OUT	Door	Note.

【Auto Refresh Log】- 3

◆ About Auto Refresh Log

►About Auto Refresh Log	
No.	Serial no.
User ID	Display real time access log with User ID. For the event record, will be display as ----
Name	Display real time access log with user name. When user information is short of the name, will be display as ----
Date	Display real time access log with date
Time	Display real time access log with time
In/Out	Display real time access log with In/Out indication
Door No.	Display real time access log with door no.
Remark	Display real time access log with information: ● For Normal open: displaying verification is by Card (C),or by Fingerprint (F) ● For Abnormal open: displaying events like Anti duress, Fire alarm...etc. ● For un-registry cards: displaying the card number.

◆ View User List

User List

Search User: [＿＿＿＿] ⦿ By User ID ○ By Card No. ○ By Employee ID ○ By User Name   [GO]

*Reg Type:F(Finger) ,P(Password) , C(Card)

No.	User ID	Employee ID	User Name	User Type	Active	F	P	C	Verify mode

No Registered User

[Activate] [Deactivate] [Delete] Activate, Deactivate or Delete SELECTED Employee

【View User List】- 4

◆ About View User List

►Inquiry	
By User ID	Input User ID to search
By Card No.	Input Card no. to search
By Employee No.	Input Employee no. to search
By User name	Input User name to search
Start (Button)	Start to inquiry
►User List	
No.	Serial number for the user list. By ticking boxes then clicking Activate, Inactivate or Delete button for active, inactive or delete user from list.
User ID	Displaying User ID.
User Employee ID	Displaying Employee ID
User Name	Display User name
User type	User type is subdivide to: Normal User(N)、Administrator(S)、Visitor(V)、Guard Tour(G)
Activate	Green light: User account active/ Gray light: User account inactive
F	User has registry the fingerprint template
C	User has registry the Card (Green Light)
Verification mode	Display user verification mode
First	First page of user list
Previous 10 page	Forward 10 page
1 2 3…N	Link to certain page number
Last 10 page	Move to last 10 page
Last	Link to last page
►Button	
Active	User authority is activated
Inactive	User authority is inactivated
Delete	User Deleted

◆ User Record

Tap User list → User ID to enter to modification page：

User Record
Add New User

REG : ⦿ Single ⦾ Continuous   Amount : [ ]

User ID : [ ]

Card No. : [ ]

Employee ID : [ ]

Name : [ ] (Max 31 chars.)

Expire Date Check : ⦿ Disable ⦾ Enable

From 2013 ▾ (M) 01 ▾ (D) 06 ▾ (H) 17 (M) 48

To 2013 ▾ (M) 01 ▾ (D) 06 ▾ (H) 17 (M) 48

Status : ⦿ Activate ⦾ Deactivate

User Type : Normal User ▾

Group : 1. Free Time Group ▾ 2. Disallowed Group ▾ 3. Disallowed Group ▾ 4. Disallowed Group ▾

Verify mode : C/F ▾

Personal Password : [ ] (4 ~ 8 digits.)

Personal Confirm : [ ]

Number of Finger : 0

[Scan Finger 1]

[Scan Finger 2]

[Save]

【User Record】- 5

◆ Modify User Record

►About User Information	
User ID	User ID value is available within 1~4294967295, exceeding any 4294967295 value cannot be save. **(Total 20,000 user account no. only)**
User Card no.	Card no. can be input manually or input by card decoder.
User employee no.	Up to 10 English alphabets can be input. (Chinese name can be 3 words only)
Name	User name can be input up to 10 Chinese words or 30 English alphabets
Validation check	User account validation check.
Validation date from to	Input a date for user account validation check
Status	Active or in active user authority. Tick the box
User Type	User type can be selected as Normal user、Administrator、Visitor、Guard tour： Normal User: Normal User **Admin**：Not limit by APB rule **Visitor**：Visitor can be limit by validation date **Guard tour**：Keep log but door will not open
Group	4 Groups can be selected for each user. Default is "Allow"
Verification Mode	**C+F**：Card + Fingerprint **F**：Fingerprint only **C**：Card only **C/F**：Card or Fingerprint **N/A**：Verification by Group bypass time zone level
FP no.	Display template number for user
►Button	
Scan FP 1	Blue LED on the MFBio will flash quickly, user scan first one template
Scan FP 2	Blue LED on the MFBio will flash quickly, user scan second one template
Previous	Modify previous one information
Save	Save data
Delete	Delete data
Next	Modify next one information

◆ Add New User

User Record
Add New User

REG : ⦿ Single ○ Continuous   Amount : [_____]

User ID : [_____]

Card No. : [_____]

Employee ID : [_____]

Name : [_____] (Max 31 chars.)

Expire Date Check : ⦿ Disable ○ Enable

From [2013 ▼] (M) [01 ▼] (D) [06 ▼] (H) [18] (M) [2]

To [2013 ▼] (M) [01 ▼] (D) [06 ▼] (H) [18] (M) [2]

Status : ⦿ Activate ○ Deactivate

User Type : [Normal User ▼]

Group : 1. [Free Time Group ▼] 2. [Disallowed Group ▼] 3. [Disallowed Group ▼] 4. [Disallowed Group ▼]

Verify mode : [C/F ▼]

Personal Password : [_____] (4 ~ 8 digits.)

Personal Confirm : [_____]

Number of Finger : 0

[Scan Finger 1]

[Scan Finger 2]

[Save]

【Add new user】- 6

◆ About Add User

► User information	
Registry	Single：Registry one user account in a time Continual：Registry 1~20000 user accounts in a time. Input user account quantity. (a continual series no. is required)
User ID	User ID value is available within 1~4294967295, exceeding any 4294967295 value cannot be save. **(Total 20,000 user account no. only)**
User Card no.	Card no. can be input manually or input by card decoder.
User employee no.	Up to 10 English alphabets can be input. (Chinese name can be 3 words only)
Name	User name can be input up to 10 Chinese words or 30 English alphabets
Validation check	User account validation check.
Validation date from to	Input a date for user account validation check
Status	Active or in active user authority. Tick the box
User Type	User type can be selected as Normal user、Administrator、Visitor、Guard tour： **Admin**：Not limit by APB rule **Visitor**：Visitor can be limit by validation date **Guard tour**：Keep log but door will not open
Group	4 Groups can be selected for users. Default is "Allow"
Verification Mode	**C+F**：Card + Fingerprint **F**：Fingerprint only **C**：Card only **C/F**：Card or Fingerprint **N/A**：Verification by Group bypass time zone level
FP no.	Display template number for user
►Button	
Scan Fingerprint 1	Scan fingerprint once, LED flashing rapidly to scan first fingerprint
Scan Fingerprint 2	Scan fingerprint once, LED flashing rapidly to scan second fingerprint
Save	Save data

◆ Fingerprint template synchronization

FP Sync

Auto FP Sync :

Sync Time : `00:00:00` (hh:mm:ss) [set]

FP Sync :

Sync user :   ◉ All   ○ Single

[set]

【Fingerprint template synchronization】- 7

◆ Fingerprint Template Synchronization description

►Fingerprint Template Synchronization	
Auto Synchronization	Automatically fingerprint synchronization on a certain time preset to system
Manually Synchronization	Manually synchronization by choosing one or many UID

➤ Terminal

◆ Terminal Information

TERMINAL STATUS

Product Name :	Biosense(EM)(20000)
Serial No. :	02415e(111821)
Firmware Version :	1.00.02,Dec 27 2012(HW1.1)
System Time :	06/06/2004 16:29:31
Terminal ID(MAC Address) :	1(00:0e:e3:02:41:5e)
IP Address :	192.168.2.100
Subnet mask :	255.255.255.0
Default Gateway :	192.168.2.1
Primary DNS :	168.95.1.1
Listen Port/Software IP(status) :	2000 / 0.0.0.0 (Offline)
Web Management Port :	80
Registered User :	0
Available User Capacity :	20000
Registered FP :	0
Available FP number :	9590
Access/System Log Count :	0/3
Control Mode :	Controller(WG34)
Anti-Pass-Back(Tolerance Timer) :	Disabled(0)
Next Biosense(Status) :	0.0.0.0(Offline)

【Terminal Status】- 8

◆ About Terminal Status

▶ Terminal Information	
Terminal Name	Display MFBio terminal name
Serial No.	Display MFBio serial no.
Firmware Version (Hardware version)	Display MFBio firmware version and hardware version
System Time	Display MFBio system time
Terminal ID (MAC address)	Display MFBio Terminal ID and MAC address
IP address	Display MFBio IP address
Subnet Mask	Display Subnet Mask
Default Gateway	Display Default Gateway
DNS	Display DNS
Software Communication Port No./Software IP (Status)	Display software communication port no. and the software IP address. Status will display On-line or Off-Line with the software
WEB Port no.	Display MFBio WEB communication port no.
Registered User	Display MFBio user registered number
Available User account no.	Display MFBio available user account no.
Access log no. and System log no.	Display MFBio access log and system log number
Control mode	Display MFBio control mode (Controller: WG34)
APB (Recovery time)	Display MFBio APB status and recovery time
Anti-Duress	Display MFBio anti-duress status
Next MFBio (Status)	Display next MFBio IP address and display connection status (On line or Off line)

◆ Terminal Setup

Terminal Configuration

Terminal Setting :	Terminal ID : 1

Terminal Setting :
- Terminal ID : 1
- *IP Address : 192 . 168 . 2 . 100
- *Subnet Mask : 255 . 255 . 255 . 0
- *Gateway : 192 . 168 . 2 . 1
- *DNS Server : 168 . 95 . 1 . 1

Listen Port : *TCP Port(Software Used) : 2000   *Software IP : 0.0.0.0

Control Mode : ◉ Controller ○ FP Reader

Web Language : English ▼

Anti Pass Back : ○ Enable ◉ Disable
Tolerance Timer 0   (Minute, Maximum 65535, 0 means No Tolerance)

WEB Managemant Port : Http Port : 80

Next Biosense(for APB): IP Address : 0 . 0 . 0 . 0

Fast Reg Card Mode : ○ Enable ◉ Disable

Sound for verify card : ○ Enable ◉ Disable

Security Level : Auto Normal ▼ (Default: Auto Normal)

Illegal FP Access record : ○ Enable ◉ Disable

FP auto adjustment : ◉ Enable ○ Disable

LED Flash Time : 1   (Sec, 0 = disable,maximum is 255)

Terminal may need to restart after configuration saved.

[Save]

【Terminal Setup】- 9

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◆ About Terminal Setup

►Terminal Setup	
Terminal ID	Setup MFBio Terminal ID. Default no. is 1, maximum is 65535.TID should not be duplicated
IP address	Setup IP address for MFBio
Subnet Mask	Setup Subnet Mask for MFBio
Default Gateway	Setup Default Gateway for MFBio
DNS IP address	DNS IP address for MFBio. Default IP is **168.95.1.1**
►Port No.	
Communication port (Software)	Communication port no. between Sotware and MFBio. Default no. Is 2000
Software IP	IP address for software, default no. is **0.0.0.0**
►Control Mode	
Controller	MFBio can be controller mode
Reader	MFBio can be reader mode (Wiegand)
►Web Language	
English	Select Web language as Englsih
Chs	Select Web language as Simplified Chinese
Others	Select other language for Web server. Default is Traditional Chinese
►Anti-Passback	
Active	Activate APB rule
Inactive	Inactivate APB rule
Recovery Time	Recovery time after APB rule is triggered. Unit is Minutes, up to 65535. 0 means recovery by manually set up.
►WEB Setup	
Communication Port	Setup MFBio web port no., default is 80
►Next　MFBio (for APB rule)	
IP address	Setup IP address for next MFBio. For multi-drop MFBio structure, system configuration (APB, Firealarm..etc) will fully synchronize to next MFBio.
►Fast Registry Mode	
Active	Fast Registry mode should be inactive immediately while card registry process is done.
Inactive	Disable fast registry card function
►　Flash card voice indication	
Active	Enable voice indication when flash card
Inactive	Disable voice for flash card
►　Fingerprint verification level	

Default setting is Auto Normal (Note : Do Not change)	
►Illegal fingerprint record	
Active	Illegal fingerprint will be record
Inactive	Illegal fingerprint will not be record
► Fingerprint Auto Rectification	
Active	Scan twice each time for one fingerprint. System will automatically rectify the differences between two templates (from one finger). Template capacity will be occupied when rectification mode is active.
Inactive	Scan once each time for one fingerprint.
►LED flashing time	
LED flashing interval	
►ADD card	
Input a card no. will create the card to be an ADD card	
►Delete card	
Input a card no. will create the card to be an DELETE card	
►Button	
Save	Save terminal information

◆ Password Setup

【Password Setup】- 10

◆ Web Log on setup/Password setting description

►About Web Log setting	
Admin user Account	Input Admin account name, maximum at 47 alphabets. Default is "admin"
Admin Password	Input Admin password, maximum at 35 alphabets. Default is "admin"
User Account	Input user account name, maximum at 47 alphabets. Default is "user"
User Password	Input user account password. Maximum at 35 alphabets. Default is "user".
Sub-User account name	Input Sub-user account name. Maximum at 47 alphabets. Default is "user0"
Sub-User Password	Input Sub-user password. Maximum at 35 alphabets. Default is" user0"
The difference between the roles is operation authority. Blow is the authorization table for the roles.	
►Button	
Save	Save information

Authorization Table：● means "Allow" to access.

Web Server	Admin Account：admin Password：admin	User Account：user Password：user	Sub-User Account：user0 Password：user0
Upgrade Firmware	●		
Password Setup	●		
Terminal Setup	●		
Door Setup	●		
Event Handle	●		
Reboot	●		
Clock Setup	●		
Reset	●		
Upgrade Firmware	●		
Password Setup	●		
Terminal Setup	●		
User Data	●	●	
Time Set	●	●	
Time Zone Setup	●	●	
Group List	●	●	
Holiday Setup	●	●	
Lift Setup	●	●	
Multi Badge Group	●	●	
Remote Control	●	●	
Access Log	●	●	●
View User List	●	●	●
Terminal Status	●	●	●
System Log	●	●	●
IP Camera	●	●	●

◆ System Log

【System Log】- 11

◆ About System Log

►Record	
No.	Serial No.
Date	Date of each system log
Time	Time of system log
Content	Description to system operation
Extract TXT log	Extract system log as TXT format report
Extract XLS	Extract system log as XLS format report
※ System log will sustain up to **2688 entries.**	

◆ System Clock Setup

System Clock Setup

Time Server : ⦿ Disable ⦾ Enable

time.windows.com   *Recommend: time.windows.com or time.nist.gov*

Time Zone: (GMT) England ▾

[Save]

New Date : 01/09/2013   (mm/dd/yyyy)

New Time : 16:02:50   (hh:mm:ss)

[Save]

【System clock setup】- 12

◆ About System Time Rectification

►About Network Time Server	
Disable	Tick to disable Network Time Server service
Enable	Tick to enable Network Time Server service (Network Time Server IP required to be input when ticking "Enable")
Time Zone	Select Time Zone from the menu after ticking Enable and input Time Server IP address .(Default Time Zone for Time Server is "**England**")
Save(Button)	Save the data and process time rectification
Date	Date of the computer. This can be input manually. Date format is Month/Date/Year
Time	Time of the computer. This can be input manually. Date format is Hour/Minute/Second
Save(Button)	Save date and starting date/time rectification

➢ Access Control

◆ Time Set

Time Set

Time Set List :

| 000 | 00:00 ~ 00:00 | | 001 | 00:00 ~ 23:59 | |

Time Set : 002 ▼ From 00 H : 00 M To 23 H : 59 M [SET]

【Time Set】- 13

◆ About Time Set

►Time Set	
Time Set list	Display all Time Set(s) at the system. Default Time Set of system is 00:00~00:00 and 00:00~23:59
Time Set	Select Time Set serial no. (system default is 000、001). Select serial no. for time set from the menu. Maximum is 255 time sets.
From～to	Input Time Set period time, such as: 0800~1700, 1000~1900
►Button	
Delete	Delete Time Set
Set	Add new Time Set

◆ Time Zone Setup

Time Zone List

Time Zone List :					
000	Deactivate		001	Any Time	

Time Zone ID : 002 ▼ [SET]

【Time Zone Setup】- 14

◆ About Time Zone

►Time Zone	
Time Zone list	Displaying all time zones at system. Tap a time zone from list will enter to the time zone configuration screen
Time zone serial no.	Serial no. for time zone. System default is 000 and 001. Select the time zone number from the menu. Up to 120 time zone can be select.
Time Zone name	Tap the time zone name to connect to time zone information page for data modification.
►Button	
Delete	Delete Time Zone
Setup	Enter to Time Zone information page

Time Zone setup page is to set the time set(s) for each day (Monday to Sunday, and Holiday) that user can access to door or time attendance:

【Time Zone】- 15

◆ About Time Zone information

► Time Zone setup	
Weekday	Select Monday~Sunday or Holiday from the menu and then can select time zone for the day
Time Set 1 ~Time Set 16	Up to 16 time set can be set to each weekday and holiday. Time set should be composed first at time set setup page.
► Button	
Save	Save the Time Zone information
Cancel	Cancel modification or setup

◆ Group Setup

Group List

Group List :

000	Disallowed Group		001	Free Time Group	

Group ID : 002 ▼ [SET]

【Group Setup】- 16

◆ About Group

►Group setup	
Group List	Display all group on a list. Tap the Group name to enter to the setup page
Group ID	Select Group serial no. from the menu. System default is 000、001. Up to **255** Group can be select
►Button	
Delete	Delete Group
Setup	Enter to Group setup page

Setup page is to select the door (entrance) with access time zone

Group Information

Allowed Door :　　　　　　　Time Zone ID :

☐ 1.　　　　　　　　　　　000 Deactivate ▼

[Save] [Cancel]

【Group Information】- 17

◆ About Group Information

►Allow door	
Door	Tick the door box that allowing Group users to access the door during the time zone
Time zone setup	Time zone can be select from the pull down menu
►Button	
Save	Save Group information
Cancel	Cancel Group information or modification

◆ Holiday Setup

【Holiday Setup】- 18

◆ About Holiday setup

►Holiday setup	
Month	Select Holiday Month from the menu
Date	Select Holiday Date from the menu
►Button	
Setup	Add a Holiday
Delete	Delete Holiday

◆ Door Setup

Door Setting

		IN	OUT
L4	Card+FP Time Zone :	000 Deactivate ▾	000 Deactivate ▾
L3	FP Time Zone :	000 Deactivate ▾	000 Deactivate ▾
L2	Card Only Time Zone :	000 Deactivate ▾	000 Deactivate ▾
L1	Card or FP Time Zone :	000 Deactivate ▾	000 Deactivate ▾

Lock Release Time Zone : 000 Deactivate ▾ First Card No Need ▾

Exit Button TZ : 001 Any Time ▾

Anti Pass Back Level : IN : 0 OUT : 0 (0 - 255)

Lock Release Time : 10 Sec (1 - 65535, 10 = default)

Door Open Delay Time : 10 Sec (1 - 65535, 10 = default)

Access Log : Recorded ▾

Door Sensor Mode: N/A ▾

Door Relay Energized: ○ None ◉ 1 Relay ○ 2 Relay

[SET]

BF50 CARD

[Set BF50 Card] [Update BF50 Card]

【Door Setup】- 19

◆ About Door Setup

►Door Setup	
L4(Card + Fingerprint) Time Zone	When setup L4 bypass time zone for door (Default is Free), user should flash card and scan fingerprint to access the door.
L3(Fingerprint) Time Zone	When setup L3 bypass time zone for door (Default is Free), user should scan fingerprint to access the door.
L2(Card) Time zone	When setup L2 bypass time zone for door (Default is Free), user should flash card to access the door.
L1(Card or Finger)	When setup L1 bypass time zone for door, user should flash card or scan fingerprint to access the door.
Unlock Time Zone	When setup Unlock bypass time zone for door, user could access door without verify cards or fingerprints. When First admin card is set, then it will require to flash a legal card (registry card) to activate Unlock Time zone for the door.
Exit button Time Zone	Setup an exit button time zone for door (Exit door only)(Default is Anytime)
APB In/Out	Setup APB rule for door (In/Out level: 0~255)
Door Open delay time	Setup door open delay time for relay. (Default is 10 seconds)
Door Close delay time	Setup door not closed alarm time. (Default is 10 seconds)
Access Log	Setup "Ignore" or "Record" all access logs (Default is Record)
Door sensor detection	Setup door sensor detection mode: N/A、Normal mode , Circuit diagnose, default is N/A When setup Circuit Diagnose mode, if door sensor is short or open status, door status will display the same Short or Open.
Door Relay Energized	Setup door relay trigger after verification is done N/A: No trigger door relay **1 Relay**：Trigger door relay on terminal.(BF-20/BF-50 door relay will be trigger if BF-20 or BF-50 has installed) **2 Relay**：Not support Double check if Door Relay trigger policy is duplicated with Hard/Soft Alarm
►Button	
Set BF-50 Card no.	Tap the button to set 50 sets of card numbers on BF-50. When terminal disconnection with BF-50, BF-50 will compare card numbers saved on BF-50 to trigger door open relay.
Refresh BF-50 Card no.	Tap the Refresh BF-50 card number to refresh card numbers saved on BF-50

◆ Setup BF-50

Application：Save 50 sets of card numbers on BF-50 to secure door will still open by flashing those cards saved on BF-50 when connection between Terminal and BF-50 is abnormal.

Preset 50 Cards no. into the BF-50 Card list:

【BF-50 Setup】- 20

◆ BF-50 Card setup

►BF- 50 card	
No.	Serial no. of the 50 cards, from 1~50
Card no.	Input card numbers to BF-50 card list
►Button	
Setup	Save the information

※ Card numbers will be saved on BF-50 after press Refresh button.

◆ Remote Control

Door Status Monitoring

○No Response ○close ○open ●Circuit Short,Circuit Open,Intrude,Open too long

	Door
Door State	○
Webpass/BF50 Status	X
Fire Alarm Detection	off

Security Bypass

State	Normal

[Pulse Open Door] [Force Close] [Back To Normal] [Force Open]

[Fire Alarm Detection ON] [Fire Alarm Detection OFF]

[Alarm OFF]

【Door status and bypass】- 21

◆ Door status/ Security Bypass

►Door Status	
Door Status	Displaying update door status. Green light means connection is established. X means disconnection
Fire Alarm	Display fire alarm detection is on or off
►Security bypass	
Status	Displaying door security bypass status: Pulse open/ Force open/ Force close
Pulse open	Tap Pulse open button to remotely open door. When security bypass status is normal. Door open lasting time is set by terminal
Force close	Tap Force close button to remotely close door and door status will display Force close, door will not be opened anyway until setup Back to Normal or set to Factory Default
Back to Normal	Tap Back to Normal button will set security bypass policy to normal
Force open	Tap force open to force open door. Door status will display Force open and door will be staying unlock until setup Back to Normal or Factory Default
Fire alarm detection ON	Tap button to switch on Fire alarm detection function. Door status will display ON.
Fire alarm detection OFF	Tap button to switch off Fire alarm detection function. Door status will display OFF
Alarm Off	Tap the button to release alarm triggered

※ When Fire Alarm is being triggered (Circuit detector is connected to fire alarm device), door will be opened automatically. Door status will be back to normal until fire alarm status switch off. No need manually switch off.

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◆ Event Handle

Event Handle

E-mail Alerts

Location :		(max59)
SMTP Mail Server :		(max47)
Mail from :		(max47)
SMTP Server Requires Authentication :	No ▼	username : (max45) password : (max29)
Mail To :		(max47)
Mail Cc :		(max47)
	Set	

	Hard Alarm	Soft Alarm	Soft Alarm	IP Camera	E-mail Alerts
Latched Time(Second)	0	0	0	0	0
Event					
Unregistered User	●	●	●	●	●
Deactivated User	●	●	●	●	●
Not Allowed Door	●	●	●	●	●
Time Zone Violation	●	●	●	●	●
Expired User	●	●	●	●	●
Anti Pass Back Violation	●	●	●	●	●
Door open too long	●	●	●	●	●
Tamper Switch Breakdown	●	●	●	●	●
Door Intruded	●	●	●	●	●
Duress Alarm On	●	●	●	●	●
Fire Alarm On	●	●	●	●	●

【Event handle】- 22

Hard Alarm

Latched Time 0 (sec,Max 65535 : 0 means unlimited)
☐ Unregistered User ☐ Deactivated User ☐ Not Allowed Door ☐ Time Zone Violation ☐ Expired User
☐ Anti Pass Back Violation ☐ Door open too long ☐ Tamper Switch Breakdown ☐ Door Intruded ☐ Duress Alarm On
☐ Fire Alarm On
Set

【Event handle】- 23

◆ About Event Handle

►Event Type	
Un-RegistryUser	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, the Un-Registry exception log will be generated upon user access door with un-registry card. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0.
User Inactive	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user card is being inactivated, the User Inactive log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
Not Allow Door	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once User Group is different than Door Group, the Not Allow Door access log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
Time Zone Violation	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once User Group Time Zone is different than Door Group Time Zone, the Time Zone Violation access log will be generated. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0

Expired User	1、 Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user swipe card or scan fingerprint over reader, door status will generate an Expired User access log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、 When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
APB Violation	1、 Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once door status is set Anti-Passback level, when user swipe card or scan fingerprint with error APB level, system will generate APB violation log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、 When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
Door Open too long	1、 Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once door open too long after user scan card or fingerprint, system will be triggered with Door Open too long access log.，When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、 When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
Tamper Switch	1、 Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once fingerprint reader is opened in illegally method, system will generate Tamper Switch record. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、 When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 0
Door Intruded	1、 Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once break in the door in illegally method, system will generate Door Intruded access log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、 When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 4

Anti Duress	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once user prompt Anti Duress function with password#, system will generate Anti Duress log. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 4
Fire Alarm	1、Event handle type can be selected by drop-down menu. Whenever the event type is chosen, once Fire Alarm is being triggered, system will generate Fire Alarm log and alert. When event trigger level is set to higher than alarm trigger level, door relay will be triggered and send an alert message over Email if Email alert is set at the same time. 2、When the recovery time is set to 0, relay action can only be switch off by clicking Alarm off button. Un-Registry event default trigger level is 5
Latched Time	Event trigger latched time setting can be max at 65535 seconds. There'll be no latched time when value is set to 0 and need to disable the alarm manually.
►**Event Trigger Type**	
Hard Alarm	Setup hardware I/O trigger performance by selecting event names
Soft Alarm 1	Define even trigger on BF-50 Relay 2 by selecting even names on Event trigger type page
Soft Alarm 2	Define even trigger on BF-50 Relay 3 by selecting even names on Event trigger type page
IP Camera	Setup IP Camera to take snap shot when certain event type triggered
E-mail alert	Setup Email alert to certain receiver by selecting event name on Event trigger type page
►**E-mail Alert**	
Device name	Input device name to send E-mail alert
SMTP Mail Server	Input SMTP mail server IP (NOT compatible to Web mail so far)
Mail from	Input sender's mail location
SMTP Server verification	Set ID and password for the Mail server
Mail to	Input receiver's E-mail address
Mail carbon copy	Input C.C. receiver's E-mail address
Setup(Button)	Save the information have set

➢ Tool

◆ IP Camera

【IP Camera】- 24

◆ About IP Camera

►IP Camera	
IP Camera	Input IP address for the IP Camera
PORT	Input Port number for the IP Camera (Default is 80)
Model	Input model name of the IP Camera. There are: VIVOTEK IP7133/7330,Soft Well WE1612H and IP7131/7135 can be selectable.(Default is VIVOTEK IP7133/7330)
Account	Input account name for the IP Camera
Password	Input password for the IP Camera
Door name	Display latest photo for the door
Setup(Button)	Save the information have set
Refresh(Button)	Refresh current screen

◆ Back Up

Backup

```
                              Tips :
        This command will export the User Registry data for backup purpose.

   ◉ Database(database.cfg)   ○ User Data(userdata.cfg)   ○ User List(userlist.txt)

                            [ BACKUP ]
```

【Back up】- 25

◆ About Back Up

►Backup	
System setup (database.cfg)	Back up items： Terminal Setup、Password Setup、Time set Setup、Time zone Setup、Group setup、Holliday Setup、Door Setup
User list-basic (userlist.txt)	Back up items： User ID、Card number、Name、User type、Group

◆ Restore

RESTORE / IMPORT

Select a File to Restore / Import :

Database(database.cfg/userdata.cfg) User List(userlist.txt)

(It may takes few minutes to restore the database.)

Restore

【Restore】- 26

◆ About Restore

► Restore	
System setup (database.cfg)	Restore items： Terminal Setup、Password Setup、Time set Setup、Time zone Setup、Group setup、Holliday Setup、Door Setup
User List (userdata.cfg)	Restore items： User ID、Card number、Name、Expired check、Status、User type、Group、Bypass time zone level、Personal password
User List-Basic (userlist.txt)	Restore items： User ID、Card number、Name、User type、Group

※ Restore function is different between UserData.cfg、UserList.txt

◆ Reboot
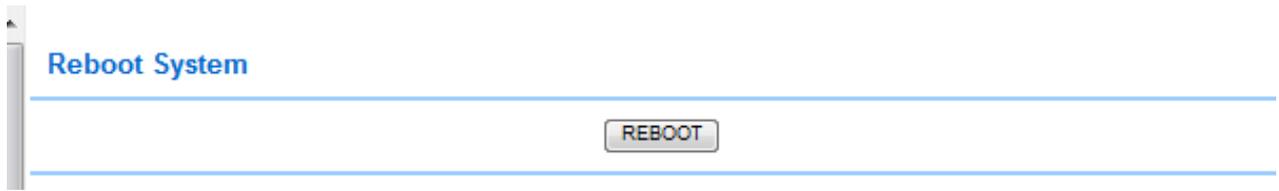
【Reboot】- 27

◆ About Reboot

►Button	
Reboot	MFBio device reboot (Warm start)

◆ Firmware upgrade

FIRMWAVE UPGRADE

Warning: Upgrade must NOT be interrupted

Please select a file to upgrade : [_____] [浏览_]   [UPGRADE]

【Firmware upgrade】- 28

◆ About Firmware upgrade

►Step by step
Click "Browser" button to search and select the firmware
Click "Upgrade" button to run firmware upgrde
►Remark
Firstly upgrade Firmware Code then Web code is necessary

◆ Reset

Reset All

☐ User Data ☐ Access Logs ☐ Group ☐ Time Zone ☐ Time Set ☐ Holiday ☐ System Logs
[SELECT ALL] [Delete]

Reset System to Factory Default - [Factory Default]

【Reset】- 29

◆ About Reset

►Data delete	
User list	Ticking User List check box then press Delete button to delete all user list from system
Access log	Ticking Access log check box then press Delete button to delete access log from system
Group	Ticking Group check box then press Delete button to delete Group from system
Time Zone	Ticking Time Zone check box then press Delete button to delete Time Zone from system
Time Set	Ticking Time Set check box then press Delete button to delete Time Set from system
Holiday	Ticking Holiday check box then press Delete button to delete Holiday from system
System Log	Ticking System log check box then press Delete button to delete System log from system
►Button	
Select All	Select all items
Delete	Run Delete function
Step by step：	
1、Select all items are going to be delete	
2、Click Delete button	
►Set to Factory Default	
Factory Default	Set to Factory Default when above set up is done

➤ **Appendix**

Event name	Event status	How to revive
Door open delay	Door open time over the default time (with door sensor)	Close the door
Door closed	Door closed after "Door open delay" event triggered.	N/A
Pulse Open	Pulse open door from remote site	Tap"Back to Normal" button to turn to normal
Pulse Close	Pulse close door from remote site	Tap "Back to Normal"button to turn to normal
Back to Normal	Door status back to normal	N/A
Identification failure	User identification failed	Check access method for user is to conform to door's policy
Unregister	Card is not registered	Register the card
Inactive	User authority and data invalid	Active user's authorization
APB violation	APB policy violated when APB function is activated	Check APB level
Not Allowed	User Group is not allowed to access a certain door	Check setting of user Group
Door intruded	Door intruded illegally	Check door sensor funcationality
Tamper switch breakdown	Tamper switch is being triggered	Check tamper switch on the terminal status
Push Button	Open door by push button	N/A
Normal Close	Door closed after door opened	N/A