



# **Warp 3**

## **1<sup>st</sup> Time Setup**

### **Manual**

Version 1.0 Date:2008.07  
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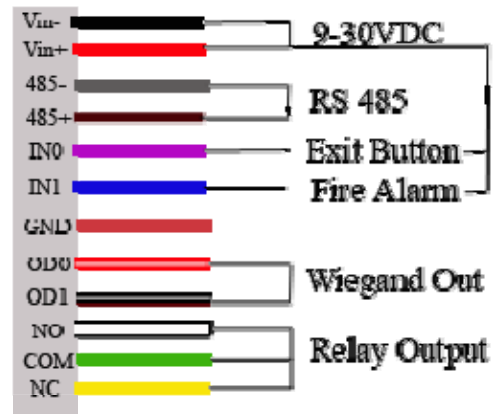
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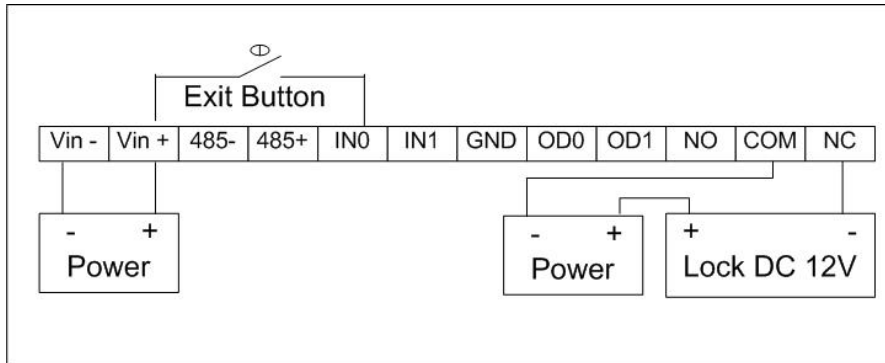
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## Cable Pin Out and Connecting Diagram



## Access control with Built IN relay [NC]

### NC Connection



After install the Warp3 series device with the above setting, user needs to setup the web page of the device to config the system.

Fist of all , change the IP of the system to the desire value. The default IP address is [ 192.168.0.66 ]. You can use IPsearch that come with the WarpX\_client program if you cannot find the Device and don't kwon its IPaddress.

IPsearch will find the device in the local system. You can also use it to change the IP address on the device.

Enter the IP address of the device on the Internet explorer or double click on the IPsearch device to enter the system.

You will be ask for user name and password to access the

system. Default username and password for admin is as followed:

User name : admin  
Password : admin

You can always change the Username and Password anytime you wish later on via Administrator setup. After enter the correct username and IP address you will see the terminal status page below.

TERMINAL STATUS	
System Status	
Product Name :	BF-630-M-V
Firmware Version :	1.02.00,Jun 16 2008
System Time :	08/04/2008 09:32:23 GMT+07
Terminal ID :	1
Description :	
Standalone / FP Reader Only :	Standalone
Registered User :	2
Log Count :	22
Anti-Pass-Back :	Disable
Weigand Format :	WG34
Weigand Output :	Disable
Anti-Duress :	Disable
Ethernet Status	
MAC Address :	00:0e:e3:00:dc:e4
IP Address :	192.168.0.59
Subnet mask :	255.255.255.0
Default Gateway :	192.168.0.1
Primary DNS :	168.95.1.1

Now, in order to setup the for access control in [Built IN] mode, goto [Access control] -> [Door Setup] menu on the left of the webpage. It will bring you to the following page.

**Door Setting**

DOOR ACCESS SETUP	
ANTI PASS BACK :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable Tolerance Timer : <input type="text" value="0"/> (Minute, Maximum 65535, 0 means No Tolerance)
Anti-Duress :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Anti-Duress Password :	<input type="text" value="•"/> (Max 3 digits,default is 9)
<input type="button" value="SET"/>	

Door Properties	
Location	
APB IN/OUT	0/0

**Setting**

**DOOR - MAIN**

Location	<input type="text"/>
Finger + Pin Time Zone :	000 Deactivate ▼
Card + Pin Time Zone :	000 Deactivate ▼
Relay Trigger :	Built IN ▼
Lock Release Time Zone :	000 Deactivate ▼
Exit Button Time Zone :	001 Any Time ▼
Double Badge Control Time Zone :	000 Deactivate ▼ Applied on Both ▼
Anti Pass Back Level :	IN : NONE ▼ OUT : NONE ▼
Lock Release Time :	5 Sec ( 1 - 255, 10 = factory default)
Door Open Delay Time :	10 Sec ( 1 - 255, 10 = factory default)
Access Log :	Recorded ▼
<input type="button" value="SET"/>	

**Please setup the value as the above page and save. Please look closely on the 2 parameters, that is, [ Relay Trigger ] and**

**[Exit Button Time Zone ] . The Built In relay and the push button should work now.**

**While you are at in please also setup Clock by goto [ Terminal ] -> [ Clock Setup ]. Setup the system clock as follow if you wish to enable the time server link.**

The screenshot shows a web interface titled "SYSTEM CLOCK SETUP". It contains two main sections. The first section is for "Time Server" configuration, with radio buttons for "Disable" and "Enable" (the "Enable" option is selected). Below this is a text input field containing "time.windows.com" and a recommendation text: "Recommend: time.windows.com or time.nist.gov". The second section is for "Time Zone" configuration, featuring a dropdown menu currently set to "(GMT+07:00) Thailand, Russia". A "SAVE" button is located between these two sections. The third section is for manual clock setting, with fields for "New Date" (containing "08/04/2008" and a "(mm/dd/yyyy)" format hint) and "New Time" (containing "09:31:26" and a "(hh:mm:ss)" format hint). A second "SAVE" button is positioned below these fields.

**If you are using Warp3G series, Please also goto the bf.htm page to config the Fingerprint Module. [ Please donot set it if you are not sure of the value, as it will effect the performance of the fingerprint system ].**

## Warp 3 series 1<sup>st</sup> Time Setup Manual

UniFinger Setup - Windows Internet Explorer

http://192.168.0.59/bf.htm

Google 搜索 资讯 按钮库 书签 已拦截 1 个 翻译 搜索字词标明

Snagit

UniFinger Setup

### UniFinger Setup

Timeout:	10 Seconds (Default: 10)
Template Size:	352
Enroll Mode:	2 Times II (Default: 2 Templates)
Security Level:	1/100,000 (Default: 1/100,000)
Encryption Mode:	off
Sensor Type:	Optical Fingerprint Sensor
Image Format:	Binary Image
Module ID:	1
Firmware Version:	A17C
Serial Number:	355095
Baudrate:	115200 (Default: 115200)
Baudrate 2:	Not Support
Enrolled Finger:	2
Send Scan Success:	yes
Ascii Packet:	HEX
Available Finger:	9588
Rotate Image:	Upright Image
Rotation:	90 Degree (Default: 90 Degree)

Sensitivity:	8 Most Sensitive
Image Quality:	Moderate (Default: Moderate)
Auto Response:	Send Response Command(Host)
Network Mode:	Single
Free Scan:	Free Scan Mode
Provisional Enroll:	Save
Pass When Empty:	No
Response Delay:	No Delay
Matching Timeout:	5 Seconds (Default: Infinite)
Build Number:	2007-07-26
Enroll Displacement:	No Check (Default: No check)
Lighting Condition:	Outdoor
Free Scan Delay:	No Delay
Fast Mode:	Fast mode 5(Fastest)
Watch Dog:	ON (Default: ON)

SAVE

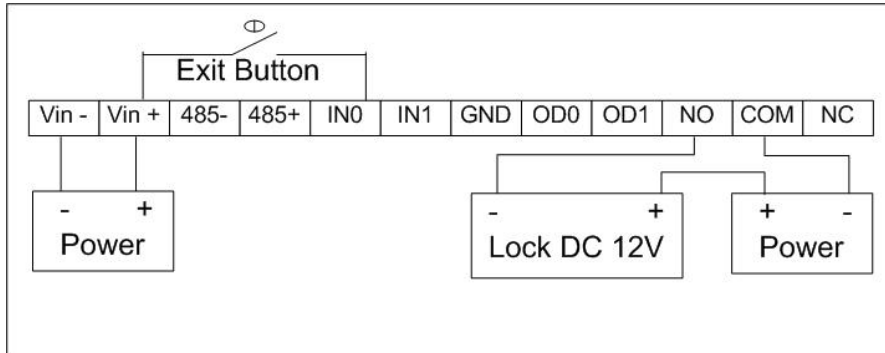


TERMINAL CONFIGURATION	
Terminal ID :	1
Terminal Setting :	Title On LCD : Description :
FP Security Level :	2 (Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only
Wiegand Format :	34 Bits (Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE Output Format : 26 Bits (Default: 26 Bits )
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID <small>Format: 格式, 版式</small>
Double Clock IN Control :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE After The Last Verified Scan 0 (seconds, Maximum is 86400)
Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO
Description :	
FP Security Level :	2 (Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only
Wiegand Format :	34 Bits (Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE Output Format : 26 Bits (Default: 26 Bits )
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID
Double Clock IN Control :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE After The Last Verified Scan 0 (seconds, Maximum is 86400)
Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO
Illegal Access Event :	<input type="radio"/> RECORDED <input checked="" type="radio"/> IGNORED
Allowed Late IN Limit :	0 (minute, Maximum is 255)
Function Key Trigger Mode :	<input type="radio"/> Manual <input checked="" type="radio"/> Auto
LCD Sleep Time :	1 (0-255 minute)

Terminal may need to restart after configuration saved.

**If you need to change other parameter such as ID display type ,  
please goto the terminal setup to change the desire value.**

## NOConnection



After install the Warp3 series device with the above setting, user needs to setup the web page of the device to config the system.

Fist of all , change the IP of the system to the desire value. The default IP address is [ 192.168.0.66 ]. You can use IPsearch that come with the WarpX\_client program if you cannot find the Device and don't kwon its IPaddress.

IPsearch will find the device in the local system. You can also use it to change the IP address on the device.

Enter the IP address of the device on the Internet explorer or double click on the IPsearch device to enter the system.

You will be ask for user name and password to access the

system. Default username and password for admin is as followed:

**User name : admin**  
**Password : admin**

**You can always change the Username and Password anytime you wish later on via Administrator setup. After enter the correct username and IP address you will see the terminal status page below.**

TERMINAL STATUS	
System Status	
Product Name :	BF-630-M-V
Firmware Version :	1.02.00_Jun 16 2008
System Time :	08/04/2008 09:32:23 GMT+07
Terminal ID :	1
Description :	
Standalone / FP Reader Only :	Standalone
Registered User :	2
Log Count :	22
Anti-Pass-Back :	Disable
Weigand Format :	WG34
Weigand Output :	Disable
Anti-Duress :	Disable
Ethernet Status	
MAC Address :	00:0e:e3:00:dc:e4
IP Address :	192.168.0.59
Subnet mask :	255.255.255.0
Default Gateway :	192.168.0.1
Primary DNS :	168.95.1.1

**Now, in order to setup the for access control in [Built IN] mode, goto [Access control] -> [Door Setup] menu on the left of the webpage. It will bring you to the following page.**

## Warp 3 series 1<sup>st</sup> Time Setup Manual

### Door Setting

<b>DOOR ACCESS SETUP</b>	
ANTI PASS BACK :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable Tolerance Timer : <input type="text" value="0"/> (Minute, Maximum 65535, 0 means No Tolerance)
Anti-Duress :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Anti-Duress Password :	<input type="text" value="•"/> (Max 3 digits,default is 9)
<input type="button" value="SET"/>	
<b>Door Properties</b>	
Location	
APB IN/OUT	0/0

### Setting

#### DOOR - MAIN

Location	<input type="text"/>
Finger + Pin Time Zone :	000 Deactivate ▼
Card + Pin Time Zone :	000 Deactivate ▼
Relay Trigger :	Built IN ▼
Lock Release Time Zone :	000 Deactivate ▼
Exit Button Time Zone :	001 Any Time ▼
Double Badge Control Time Zone :	000 Deactivate ▼ Applied on Both ▼
Anti Pass Back Level :	IN : NONE ▼ OUT : NONE ▼
Lock Release Time :	<input type="text" value="5"/> Sec ( 1 - 255, 10 = factory default)
Door Open Delay Time :	<input type="text" value="10"/> Sec ( 1 - 255, 10 = factory default)
Access Log :	Recorded ▼
<input type="button" value="SET"/>	

**Please setup the value as the above page and save. Please look closely on the 2 parameters, that is, [ Relay Trigger ] and**

**[Exit Button Time Zone ] . The Built In relay and the push button should work now.**

**While you are at in please also setup Clock by goto [ Terminal ] -> [ Clock Setup ]. Setup the system clock as follow if you wish to enable the time server link.**

The screenshot shows a web interface titled "SYSTEM CLOCK SETUP". It contains two main sections. The first section is for "Time Server" configuration, with radio buttons for "Disable" and "Enable" (the "Enable" option is selected). Below this is a text input field containing "time.windows.com" and a recommendation text: "Recommend: time.windows.com or time.nist.gov". The second section is for "Time Zone" configuration, featuring a dropdown menu currently set to "(GMT+07:00) Thailand, Russia". A "SAVE" button is located between the two sections. The third section is for setting the "New Date" to "08/04/2008" (format: mm/dd/yyyy) and the "New Time" to "09:31:26" (format: hh:mm:ss). Another "SAVE" button is at the bottom of this section.

**If you are using Warp3G series, Please also goto the bf.htm page to config the Fingerprint Module. [ Please donot set it if you are not sure of the value, as it will effect the performance of the fingerprint system ].**

## Warp 3 series 1<sup>st</sup> Time Setup Manual

UniFinger Setup - Windows Internet Explorer

http://192.168.0.59/bf.htm

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Snagit

UniFinger Setup

### UniFinger Setup

Timeout:	10 Seconds (Default: 10)
Template Size:	352
Enroll Mode:	2 Times II (Default: 2 Templates)
Security Level:	1/100,000 (Default: 1/100,000)
Encryption Mode:	off
Sensor Type:	Optical Fingerprint Sensor
Image Format:	Binary Image
Module ID:	1
Firmware Version:	A17C
Serial Number:	355095
Baudrate:	115200 (Default: 115200)
Baudrate 2:	Not Support
Enrolled Finger:	2
Send Scan Success:	yes
Ascii Packet:	HEX
Available Finger:	9588
Rotate Image:	Upright Image
Rotation:	90 Degree (Default: 90 Degree)

Sensitivity:	8 Most Sensitive
Image Quality:	Moderate (Default: Moderate)
Auto Response:	Send Response Command(Host)
Network Mode:	Single
Free Scan:	Free Scan Mode
Provisional Enroll:	Save
Pass When Empty:	No
Response Delay:	No Delay
Matching Timeout:	5 Seconds (Default: Infinite)
Build Number:	2007-07-26
Enroll Displacement:	No Check (Default: No check)
Lighting Condition:	Outdoor
Free Scan Delay:	No Delay
Fast Mode:	Fast mode 5(Fastest)
Watch Dog:	ON (Default: ON)

SAVE

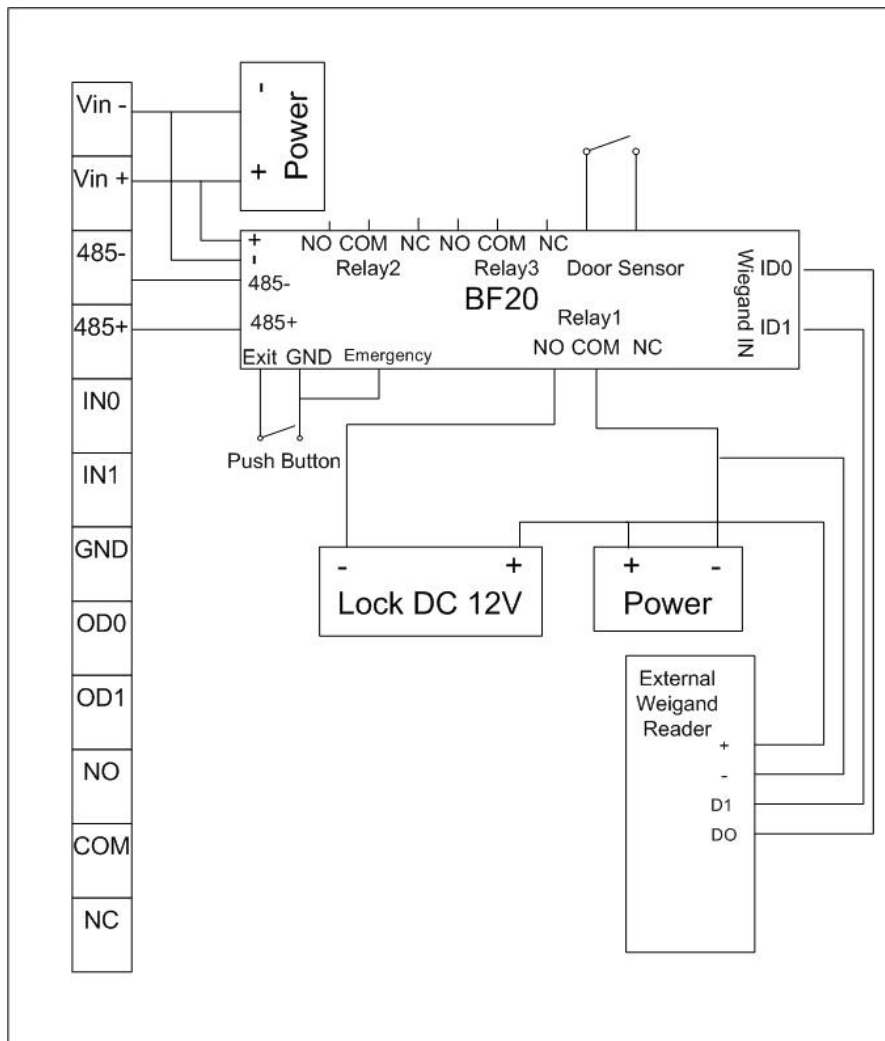
TERMINAL CONFIGURATION	
Terminal ID :	1
Terminal Setting :	Title On LCD : Description :
FP Security Level :	2 (Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only
Wiegand Format :	34 Bits (Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE Output Format : 26 Bits (Default: 26 Bits )
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID <small>Format: 格式, 版式</small>
Double Clock IN Control :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE After The Last Verified Scan 0 (seconds, Maximum is 86400)
Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO
Description :	
FP Security Level :	2 (Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only
Wiegand Format :	34 Bits (Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE Output Format : 26 Bits (Default: 26 Bits )
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID
Double Clock IN Control :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE After The Last Verified Scan 0 (seconds, Maximum is 86400)
Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO
Illegal Access Event :	<input type="radio"/> RECORDED <input checked="" type="radio"/> IGNORED
Allowed Late IN Limit :	0 (minute, Maximum is 255)
Function Key Trigger Mode :	<input type="radio"/> Manual <input checked="" type="radio"/> Auto
LCD Sleep Time :	1 (0-255 minute)

Terminal may need to restart after configuration saved.



**If you need to change other parameter such as ID display type ,  
please goto the terminal setup to change the desire value.**

### Connect with BF20



**After install the Warp3 series device with the above setting, user needs to setup the web page of the device to config the system.**

**Fist of all , change the IP of the system to the desire value. The default IP address is [ 192.168.0.66 ]. You can use IPsearch that come with the WarpX\_client program if you cannot find the Device and don't kwon its IPaddress.**

**IPsearch will find the device in the local system. You can also use it to change the IP address on the device.**

**Enter the IP address of the device on the Internet explorer or double click on the IPsearch device to enter the system.**

**You will be ask for user name and password to access the**

**system. Default username and password for admin is as followed:**

**User name : admin**  
**Password : admin**

**You can always change the Username and Password anytime you wish later on via Administrator setup. After enter the correct username and IP address you will see the terminal status page below.**

### TERMINAL STATUS

System Status	
Product Name :	BF-630-M-V
Firmware Version :	1.02.00,Jun 16 2008
System Time :	08/04/2008 09:32:23 GMT+07
Terminal ID :	1
Description :	
Standalone / FP Reader Only :	Standalone
Registered User :	2
Log Count :	22
Anti-Pass-Back :	Disable
Weigand Format :	WG34
Weigand Output :	Disable
Anti-Duress :	Disable
Ethernet Status	
MAC Address :	00:0e:e3:00:dc:e4
IP Address :	192.168.0.59
Subnet mask :	255.255.255.0
Default Gateway :	192.168.0.1
Primary DNS :	168.95.1.1

**Now, in order to setup the for access control in [Built IN] mode, goto [Access control] -> [Door Setup] menu on the left of the webpage. It will bring you to the following page.**

**Door Setting**

DOOR ACCESS SETUP	
ANTI PASS BACK :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable Tolerance Timer : <input type="text" value="0"/> (Minute, Maximum 65535, 0 means No Tolerance)
Anti-Duress :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable Anti-Duress Password : <input type="text" value="•"/> (Max 3 digits,default is 9)
<input type="button" value="SET"/>	

Door Properties	
Location	
APB IN/OUT	0/0

**Setting**

**DOOR - MAIN**

Location	<input type="text"/>
Finger + Pin Time Zone :	000 Deactivate ▼
Card + Pin Time Zone :	000 Deactivate ▼
Relay Trigger :	BF20 ▼ Built IN BF20 /rate ▼
Lock Release Time Zone :	
Exit Button Time Zone :	001 Any Time ▼
Double Badge Control Time Zone :	000 Deactivate ▼ Applied on Both ▼
Anti Pass Back Level :	IN : NONE ▼ OUT : NONE ▼
Lock Release Time :	5 Sec ( 1 - 255, 10 = factory default)
Door Open Delay Time :	10 Sec ( 1 - 255, 10 = factory default)
Access Log :	Recorded ▼
<input type="button" value="SET"/>	

**Please setup the value as the above page and save. Please look closely on the 2 parameters, that is, [ Relay Trigger ] and**

**[Exit Button Time Zone ] . The Built In relay and the push**

**button should work now.**

**While you are at in please also setup Clock by goto [ Terminal ]  
-> [ Clock Setup ]. Setup the system clock as follow if you wish to  
enable the time server link.**

The screenshot shows a web interface titled "SYSTEM CLOCK SETUP". It contains the following elements:

- Time Server:** Radio buttons for "Disable" and "Enable". The "Enable" option is selected.
- Time Server URL:** A text input field containing "time.windows.com". Below it, a recommendation reads: "Recommend: time.windows.com or time.nist.gov".
- Time Zone:** A dropdown menu showing "(GMT+07:00) Thailand, Russia".
- SAVE** button.
- New Date:** A text input field containing "08/04/2008" with the format "(mm/dd/yyyy)" indicated.
- New Time:** A text input field containing "09:31:26" with the format "(hh:mm:ss)" indicated.
- SAVE** button.

**If you are using Warp3G series, Please also goto the bf.htm page to config the Fingerprint Module. [ Please donot set it if you are not sure of the value, as it will effect the performance of the fingerprint system ].**

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UniFinger Setup

### UniFinger Setup

Timeout:	10 Seconds (Default: 10)
Template Size:	352
Enroll Mode:	2 Times II (Default: 2 Templates)
Security Level:	1/100,000 (Default: 1/100,000)
Encryption Mode:	off
Sensor Type:	Optical Fingerprint Sensor
Image Format:	Binary Image
Module ID:	1
Firmware Version:	A17C
Serial Number:	355095
Baudrate:	115200 (Default: 115200)
Baudrate 2:	Not Support
Enrolled Finger:	2
Send Scan Success:	yes
Ascii Packet:	HEX
Available Finger:	9588
Rotate Image:	Upright Image
Rotation:	90 Degree (Default: 90 Degree)

## Warp 3 series 1<sup>st</sup> Time Setup Manual

Sensitivity:	8 Most Sensitive
Image Quality:	Moderate (Default: Moderate)
Auto Response:	Send Response Command(Host)
Network Mode:	Single
Free Scan:	Free Scan Mode
Provisional Enroll:	Save
Pass When Empty:	No
Response Delay:	No Delay
Matching Timeout:	5 Seconds (Default: Infinite)
Build Number:	2007-07-26
Enroll Displacement:	No Check (Default: No check)
Lighting Condition:	Outdoor
Free Scan Delay:	No Delay
Fast Mode:	Fast mode 5(Fastest)
Watch Dog:	ON (Default: ON)
SAVE	

### TERMINAL CONFIGURATION

Terminal Setting :	Terminal ID :	1
	Title On LCD :	
	Description :	
FP Security Level :	2	(Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1	
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed	
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only	
Wiegand Format :	34 Bits	(Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE	
	Output Format :	26 Bits (Default: 26 Bits )
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)	
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID <span style="float: right;">Format: 格式, 版式</span>	
Double Clock IN Control :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE	
	After The Last Verified Scan	0 (seconds, Maximum is 86400)
Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO	



## Warp 3 series 1<sup>st</sup> Time Setup Manual

Description :	
FP Security Level :	2 (Default: 2)
FP Verification Mode :	<input checked="" type="radio"/> 1:N <input type="radio"/> 1:1
Duplicate FP Enrolled :	<input type="radio"/> Allowed <input checked="" type="radio"/> Disallowed
Working Behavior :	<input checked="" type="radio"/> Standalone <input type="radio"/> FP Reader Only
Wiegand Format :	34 Bits (Default: 34 Bits)
Wiegand Output :	<input type="radio"/> ENABLE <input checked="" type="radio"/> DISABLE Output Format : 26 Bits (Default: 26 Bits)
Maintenance Time :	Daily 4 (H) : 0 (M)(24Hr format)
Card ID Display Format :	<input checked="" type="radio"/> Raw Data <input type="radio"/> Facility Code+ID
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Disable Key-In ID :	<input type="radio"/> YES <input checked="" type="radio"/> NO
Illegal Access Event :	<input type="radio"/> RECORDED <input checked="" type="radio"/> IGNORED
Allowed Late IN Limit :	0 (minute,Maximum is 255)
Function Key Trigger Mode :	<input type="radio"/> Manual <input checked="" type="radio"/> Auto
LCD Sleep Time :	1 (0-255 minute)
Terminal may need to restart after configuration saved.	

**If you need to change other parameter such as ID display type , please goto the terminal setup to change the desire value.**

## BF20 Diagram

### BF-20 LED/BUZZER INDICATION

#### 1. Warp3/Warp3G connected ON

LED : ON 1 second, OFF 1 second.

Buzzer : 1 long beep sound once state from OFF to ON

#### 2. Warp3/Warp3G connected OFF

LED : ON 3 second, OFF 1 second.

Buzzer : 5 short beep sound once state from ON to OFF

#### 3. Flash Card

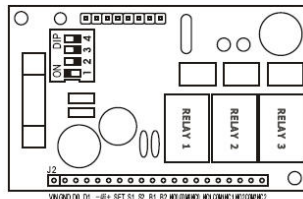
Valid card : Buzzer : 1 short beep

Invalid card : Buzzer : 1 long beep

#### 4. Emergency Mode

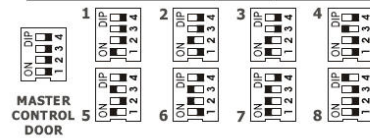
Enable : Emergency(PINK) and GND(BLACK) are short  
exit button will work when the connection  
between Warp3/Warp3 and BF-20 is off

Disable : Emergency and GND are not short  
exit button will not work



### CONNECTION

POWER+	VIN 12V	RED
POWER-	GND	BLACK
WIEGAND (N/A)	D0	RED/WHITE
	D1	BLACK/WHITE
RS-485 CONNECTOR	485-	GREY
	485+	BROWN
EMERGENCY	SET	PINK
	S1	BLUE
DOOR SENSOR CONNECTOR	S2	BLUE
EXIT BUTTON CONNECTOR	B1	VIOLET
	B2	VIOLET
	NO0	WHITE
RELAY OUTPUT 1	COM0	LIGHTGREEN
	NC0	YELLOW
	NO1	WHITE/BLACK
RELAY OUTPUT 2	COM1	GREEN/BLACK
	NC1	YELLOW/BLACK
	NO2	RED/BLACK
RELAY OUTPUT 3	COM2	TURQUOISE
	NC2	ORANGE



## Precaution

- The list below is to keep user's safety and prevent any loss. Please read carefully before use.



Do not drop or damage the device.



Do not press two buttons at the same time.



Do not disassemble, repair or alter the device.



Do not let children touch the device without supervision.



Do not use the device for any other purpose than specified.



Contact your nearest dealer in case of a trouble or problem.

## Software start up process