



# Operation Manual

## Enterprise Series

### HTTP Server

#### System Requirements

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- Web Browser Setting Interface
- Cross-Platform Services does not limit to particular operating system, smartphone, or tablet
- Provide parameter setting, user data setting, event log query and direct control



SOYAL Website

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## 1. HTTP Server Introduction

### 1-1 / Main Features

- Easy setup via Smartphone, Tablet, and PC by entering IP address of the devices through web browser
- Controller communication setting and parameter setting
- Controller event log query
- Add, delete, and modify user data
- Remotely unlock door
- Manually and directly set access controller's time
- HTTP Server is compatible for SOYAL Enterprise Series and other series that is listen on separate manual such as SOYAL Industry Series (TCP), AR-716-E18 Ethernet module AR-727i-V3 and Converter AR-727-CM (refer to 'Operation Manual AR-727-CM HTTP Server')

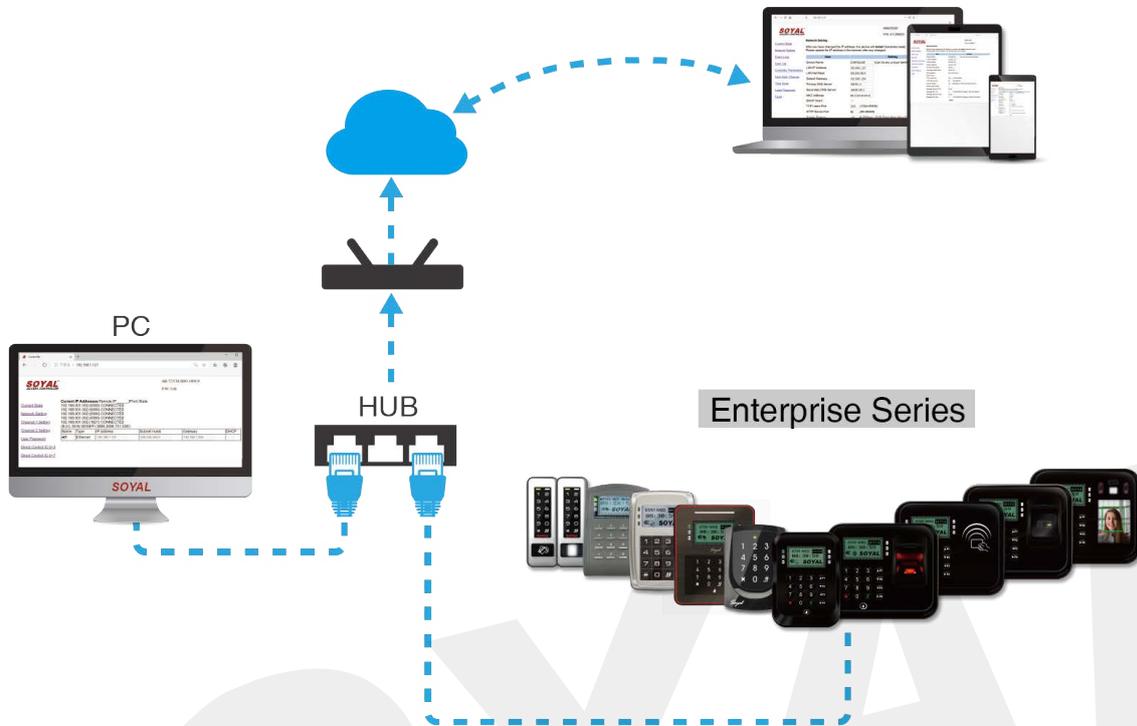
**HTTP Server Comparison Table**

|          | Interface Menu   | Enterprise Series | Industry Series (TCP)<br>AR-727-CM-0804M<br>AR-401-IO-0808R-U2 | AR-727i-V3<br>(AR-716-E18<br>Ethernet module) | Converter<br>AR-727-CM |
|----------|--|-------------------|--|---|------------------------|
| <b>1</b> | Current State  | <b>V</b>          | <b>V</b>   | <b>V</b>                                      | <b>V</b>               |
| <b>2</b> | Network Setting  | <b>V</b>          | <b>V</b>   | <b>V</b>                                      | <b>V</b>               |
| <b>3</b> | <b>Controller Setting:</b><br>Event Log /<br>User List / Controller<br>Parameter / User Add/<br>Change / Timezone /<br>Clock | <b>V</b>          |  |   |                        |
| <b>4</b> | Login Password   | <b>V</b>          | <b>V</b>   | <b>V</b>                                      | <b>V</b>               |
| <b>5</b> | <b>RS485 Setting:</b><br>Channel 1 Setting /<br>Channel 2 Setting  |                   | <b>V</b>   |   | <b>V</b>               |
| <b>6</b> | <b>I/O Control Setting:</b><br>Direct Control IO 0~3 /<br>Direct Control IO 4~7  |                   | <b>V</b>   |   |                        |

# 1. HTTP Server Introduction

## 2. Interface Overview

### 1-2 / Architecture Schematic Diagrams



## 2. Interface Overview

### 2-1 / Log in HTTP Server page



## 2. Interface Overview

- 1 Through PC, Tablet, or Smartphone web browser software/app, enter device IP Address and enter HTTP Server interface (default IP Address 192.168.1.127)
- 2 When entering HTTP Server page required to enter ID and Password. Default ID: SuperAdm / Password: 721568 which can also be found on serial no. sticker that include on the packaging.  
(For older version, default ID: admin / password: admin)
- 3 Device Model no. and Firmware Version  
After logged in, on the top right side will show the controller's model no. including the firmware version

### 2-2 / Device Connection Status

The screenshot shows a web browser window with the address bar set to 192.168.1.127. The page header displays the SOYAL logo and the text 'ACCESS CONTROLLER'. On the right side, the device model 'AR837E/EF' and firmware version 'F/W: 4.3 200923' are shown. A navigation menu on the left includes 'Current State', 'Network Setting' (highlighted with a red box and a red '1'), 'Event Logs', 'User List', 'Controller Parameters', 'User Add / Change', 'Time Zone', 'Login Password', and 'Clock'. Below the navigation menu, a table titled 'Current IP Addresses' is displayed.

| Device Name | Type     | IP address    | Subnet mask   | Gateway       | DHCP                     |
|-------------|----------|---------------|---------------|---------------|--------------------------|
| CONTROLLER  | Ethernet | 192.168.1.127 | 255.255.255.0 | 192.168.1.254 | <input type="checkbox"/> |

- 1 After logged in, the first menu that will automatically show Current State of controller's IP Address

### 2-3 / Network Setting

SOYAL™  
ACCESS CONTROLLER

AR837E/EF  
F/W: 4.3 200923

Current State  
**1** Network Setting

Event Logs  
User List  
Controller Parameter  
User Add / Change  
Time Zone  
Login Password  
Clock

**Network Setting**

After you have changed the IP address, the device will **restart** (hardware reset).  
Please update the IP address in the browser after any changed.

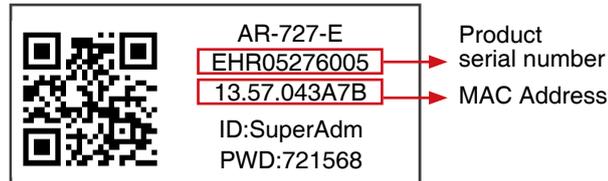
| Item                            | Setting                                     |
|---------------------------------|---|
| <b>2</b> Device Name            | CONTROLLER (Can be any unique identifier)   |
| <b>3</b> LAN IP Address         | 192.168.1.127                               |
| <b>4</b> LAN Net Mask           | 255.255.255.0                               |
| <b>5</b> Default Gateway        | 192.168.1.254                               |
| <b>6</b> Primary DNS Server     | 168.95.1.1                                  |
| <b>7</b> Secondary DNS Server   | 168.95.192.1                                |
| <b>8</b> MAC Address            | 00-13-57-02-04-2C                           |
| <b>9</b> DHCP Client            | <input type="checkbox"/>                    |
| <b>10</b> TCP Listen Port       | 1621 (1024~65530)                           |
| <b>11</b> HTTP Server Port      | 80 (80~65530)                               |
| <b>12</b> Socket Timeout        | 120 ((0~600)sec. (TCP Client Keep Alive:0)) |
| <b>13</b> Node ID (Device ID)   | 1   |
| <b>14</b> Message Server IP 1st | 0.0.0.0                                     |
| <b>15</b> Message Port 1st      | 0 (1024~65530, 0:disable, 8031:Text Mode)   |
| <b>16</b> Message Server IP 2nd | 0.0.0.0                                     |
| <b>17</b> Message Port 2nd      | 0 (1024~65530, 0:disable or 8031:Text Mode) |

**18** Update

- 1** Click 'Network Setting' on the left side menu
- 2** **Device Name** : Rename network device, could be used to differentiate between one device and another
- 3** **LAN IP Address** : Enter IP address designated for the device of the intranet.  
Default setting is 192.168.1.127
- 4** **LAN Net Mask** : Subnet Mask of the intranet
- 5** **Default Gateway** : Default gateway of the intranet. if there is Internet connection access, this IP address must point to the router or the gateway provided by the ISP
- 6** **Primary DNS Server** : Domain Name Server 1
- 7** **Secondary DNS Server** : Domain Name Server 2

## 2. Interface Overview

- 8** MAC Address : Network physical address (this field cannot be changed).  
Each TCP/IP device has designated MAC address that could be found on the serial number sticker



- 9** DHCP Client : Ticking this feature will enable dynamic host protocol which means devices will automatically obtain IP address without manually typing and assigned device to a designated IP address. Enabling this feature is not recommended in case Client could not communicate with Server and it will cause a disconnection.
- 10** TCP Listen Port : Communication control port, connection to 701 Software enter 1621, connection to Mobile APP enter 1601.
- 11** HTTP Server Port : Web browser service port, it can be change if there is information security consideration but should not have the same TCP Port with 701Server connection to devices which is 1621 For Example: changing into 9680, to enter the HTTP Server you need to enter IP address followed with Port.



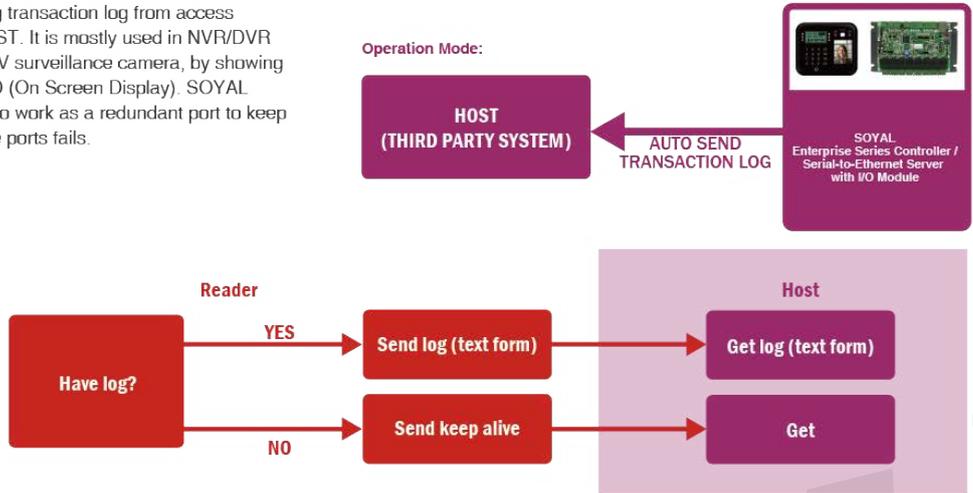
- 12** Socket Timeout : Handshake timeout detection, default value 120seconds, if there is no data will be offline.
- 13** Node ID (Device ID) : Controller's node ID, node ID setting in HTTP Server must correspond to 701 Software otherwise data could not be transmitted. Step no. 14-16 is designated for third party system integration to choose between one way hosting and two way hosting of Event Logs. If there is no requirement for this, please enter Message Server IP as 0.0.0.0 and Message Port as 0 for both 1st and 2nd Reference document:

## 2. Interface Overview



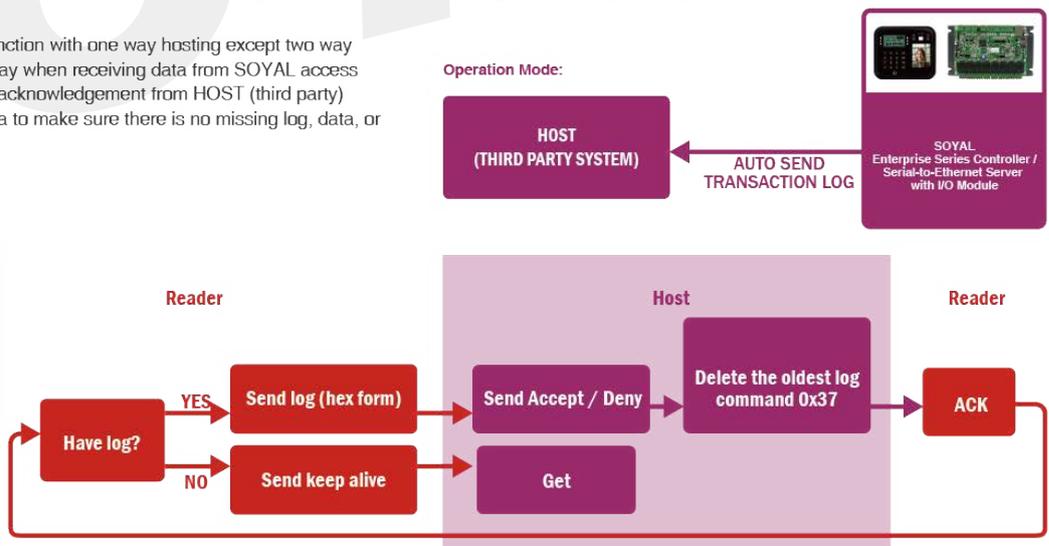
### Active Push Communication free acknowledgement (8031)

A simply integration of retrieving transaction log from access controller and send it to the HOST. It is mostly used in NVR/DVR system for integration with CCTV surveillance camera, by showing the transaction log data for OSD (On Screen Display). SOYAL provides total two ports in total to work as a redundant port to keep system running when one of the ports fails.



### Active Push Communication required acknowledgement (8033)

Same method and function with one way hosting except two way hosting offer safest way when receiving data from SOYAL access controller. it required acknowledgement from HOST (third party) when transferring data to make sure there is no missing log, data, or message transferred.



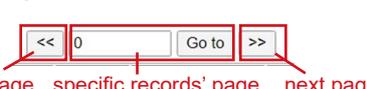
\*Delete the oldest log command 0x37:  
When the third-party system receives LOG, it will send 37H command to confirm that the message has been well received and delete the LOG message stored in the card reader that has been obtained

## 2. Interface Overview

- 14 Message Server IP 1<sup>st</sup> : Transfer event log to one of the Server's first IP address , active sending event logs to the designated server
- 15 Message Port 1<sup>st</sup> : Automatically send last event message port.  
We offer two options:  
8031 --> one way hosting, event log format is TEXT mode  
8033 --> two way hosting, required acknowledgement in order to send the next event log, event format is HEX mode
- 16 Message Server IP 2<sup>nd</sup> : Transfer event log to one of the Server's second IP address, active sending event logs to the designated server
- 17 Message Port 2<sup>nd</sup> : Automatically send last event message port.  
We offer two options:  
8031 --> one way hosting, event log format is TEXT mode  
8033 --> two way hosting, required acknowledgement in order to send the next event log, event format is HEX mode
- 18 Update : Press Update button to save changed.

### 2-4 / Event Log

The screenshot shows the 'Event Logs' page in the SOYAL web interface. The left sidebar contains navigation links: Current State, Network Setting, **Event Logs** (highlighted with a red box and number 1), User List, Controller Parameters, User Add / Change, Time Zone, Login Password, and Clock. The main area displays a table of event logs with columns: Index, YY/MM/DD, Time, Address, Display (Alias), Access Detail, Card UID, and Door. Above the table is a 'Start From' filter with a dropdown menu (highlighted with a red box and number 2) and a 'Total Records' field showing '6' (highlighted with a red box and number 3). The table rows are numbered 4 through 11 at the bottom, corresponding to the column headers. A 'Go to' button is also visible in the filter area.

- 1 Click 'Event Log' on the left side menu to query and monitor daily transaction record of access controller in the system
- 2 Selection page of records list  
  
Previous page    specific records' page    next page
- 3 Total records stored on the controller's memory
- 4 Index: Events in sequence
- 5 YY/MM/DD: Event log date recorded in year/month/day format
- 6 Time: Event log time recorded in hours/minutes/seconds
- 7 Address: User Address
- 8 Display (Alias): User Address's display name or alias on LCD access controller
- 9 Access Detail: Message code with description
- 10 Card UID: Card number
- 11 Door: Door name of the access
- 12 When query Event Logs, click 'Refresh' button in order for browser to show latest event logs recorded.

### 2-5 / User Lists

SOYAL™ ACCESS CONTROLLER

AR837E/EF  
F/W: 4.3 200923

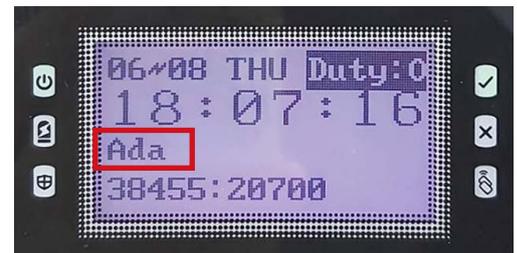
User List  
Start From 0

| Address | Display (Alias) | Access Mode | Card UID    | Ma | Zone | WG | Zone | Expiry     |
|---------|-----------------|-------------|-------------|----|------|----|------|------------|
| 0       | Cindy           | Card Only   | 54489:48499 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 1       | Sammi           | Card Only   | 01299:61632 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 2       | Guest           | Card Only   | 48572:33698 | Y  | 00   | Y  | 00   | 2021-08-31 |
| 3       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 4       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 5       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 6       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 7       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 8       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 9       | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |
| 10      | null            | Invaield    | 85535:65535 | Y  | 00   | Y  | 00   | 2099-12-31 |

- 1 Click the 'User List' on the left side menu to query all user data stored on the controller
- 2 Start From: show the first user address range from the search Example start from 199 then press 'Enter' it will show user list from user address 199, 200, ... 213 (one page shows maximum 14 user address)

<< : previous page / >> : next page

- 3 Address: User address in sequence
- 4 Display (Alias): User Address's display name or alias on LCD access controller



- 5 Access Mode: Assigned access mode for each user will be displayed as Invalid/ Card Only/Card or PIN/Card and PIN
- 6 Card UID: Card number

**Note: Enterprise Series Controller could control both controller and Wiegand access reader connected to it. That way, below step will provide the display of controller (main controller/master controller) and reader (slave reader).**

## 2. Interface Overview

- 7 Ma : Main in short is a setup for Main Controller's access.  
(Y=access permitted / N=access prohibited)
- 8 Zone: Main controller's access time zone  
(refer to 2-8 for more detail regarding time zone setting)
- 9 WG: setup for Slave Reader's access
- 10 Zone: Slave Reader's access timezone
- 11 Expiry: Date limit of user access

### 2-6 / Controller Parameters

| Item  | Main Controller          | WG Port                  |
|---|--------------------------|--------------------------|
| Door Number (1 ~ 255)                               | 1                        | 2                        |
| Master Code (6 Digital)                             | 123456                   |                          |
| Arming Code (4 Digital)                             | 1234                     |                          |
| Door Relay Time (0~600, 601~609 for 0.1 ~ 0.9 Sec ) | 7                        | 7                        |
| Alarm Relay Time (0~600 Sec)                        | 15                       |                          |
| Door Close Delay (Sec)                              | 15                       | 15                       |
| Force Alarm   | <input type="checkbox"/> | <input type="checkbox"/> |
| Serial Port ( RS485- I )                            | Controller/PC            |                          |
| PIN Access  | PIN Code(4) Only         |                          |
| Door Status   | Off                      |                          |
| Open Door (Main / WG)                               | Pulse (Auto Close)       | Pulse (Auto Close)       |

Update

- 1 Click 'Controller Parameters' on the left side menu to query and monitor daily transaction record of access controller in the system
- 2 Door Number(1~255) :  
You can set door number for Main Controller and Slave Reader. This is usually required a setting when you established door group setting and implement anti-passback on your system where the exit and entrance is required to present access.
- 3 Master Code (6 Digital) :  
Master code or programming code is a six digits code that is used to access programming mode (default value 123456)
- 4 Four digits arming code, enter arming code to enable arming mode

### 5 Door Relay Time (0~600,601~609 for 0.1~0.9 Sec) :

After the access identification is accepted (normal access), relay is triggered to release door. Door Relay Time indicated how long does it takes for relay to be opened.

- Output continuously (latch mode) enter 0
- Lock release after a specific time (pulse mode)

601~609 = 0.1~0.9 sec

1~600 = 1~600seconds

※Suggestion: 15 seconds for magnetic lock and electric bolt lock; 0.2 seconds for electric strike and cabinet lock.

Set door relay time is available for both Main Controller and Slave Reader

### 6 Alarm Relay Time (0~600 Sec) :

Alarm output time until it stopped triggering.

- Output continuously enter 0 (alarm keep triggering until next actions for example close door, press push button, or swipe valid card)
- Alarm stop triggering after specific time 1~600 = 1~600 seconds

### 7 Door Close Delay (Sec) :

Door will be locked after specific time. If time is reached and door is not closed, will trigger alarm as door open too long (under arming mode).

Door close delay range 1~600 = 1~600 seconds

Set door close delay is available for both Main Controller and Slave Reader

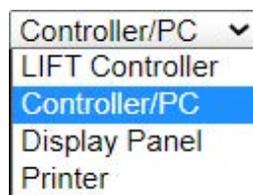
### 8 Force Alarm :

Enabling this function will trigger alarm under force open situation

### 9 Serial Port (RS485-I) :

RS485 communication setting options: Lift Controller, Controller/PC, Display Panel, Printer.

(Default value: Controller/PC)



### 10 PIN Access :

Access identification via PIN can choose between two options:

M4: User Address(5) + PIN Code(4)

M8 mode: PIN Code(4) Only

For example:

User Address 250 with PIN 4879

Under M4 mode: enter 00250 4879

Under M8 Mode: enter 4879

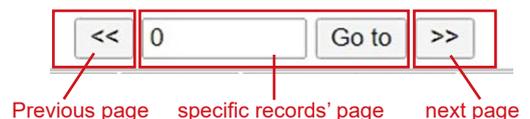
## 2. Interface Overview

- 11 Door Status : Show the current status of the Main Controller
- 12 Open Door (Main/WG) :  
Remotely open or close door of Main Controller and Slave Reader  
Options to choose: Pulse (Auto Close), Latch (Always Open), Close  
After done selecting the options, click 'Active'
- 13 Update : Press Update button to save changed.

### 2-7 / User Add / Change

1 Click 'User Add / Change' on the left side menu to add, delete, or modify user data

2 User Address :  
To start modifying user data, enter designated user address and click 'Go to'



Previous page    specific records' page    next page

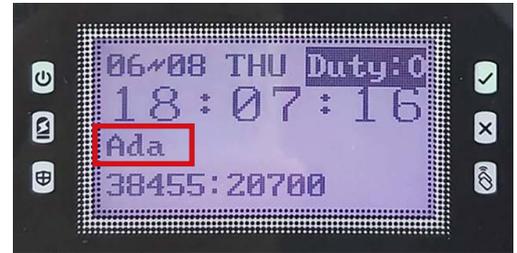
## 2. Interface Overview

### 3 Display (Alias) :

User Address's display name or alias on LCD access controller

User Card Edit

|            |       |  |  |   |
|------------|-------|--|--|---|
| User Num   | 7     | <input checked="" type="checkbox"/> Lock | <input type="checkbox"/> Auto Save Card ID |   |
| Card ID    | 38455 | 20700                                    | Card only                                  |   |
| Time Zone  | ALL   | Level                                    | 00   |   |
| Door Group | ALL   |  |  |   |
| Name *     | 李小美   | P.I.N.                                   | 0000                                       | <input checked="" type="checkbox"/> Anti-passback |
| Alias      | Ada   | Employ ID                                |  | <input type="checkbox"/> Guard                    |
|            |       |  |  | <input checked="" type="checkbox"/> Just card     |



### 4 Access Mode :

Assigned access mode for each user will be displayed as Invalid/Card Only/Card or PIN/Card and PIN

### 5 Guard User :

Tick the box if designated user is a Guard User. Access with Guard identification will not release lock but will be recorded on the event log.

### 6 PIN Code :

Four digit access PIN, can be modified from 4~8 digits refer to command 42\* for keypad access controller and menu (3) Parameters (1) > (9) PIN & UID format > User PIN length range

Step 7 8 is card UID setting :

|            |                  |
|------------|------------------|
| ABA-ID     | WG ID            |
| 0000848795 | 00012:62323 MF18 |

7 Card UID ( \_:xx)WG32(5:5) / u64(7~10:8) :

Site code, first 5 digit UID WG5:5 or HEX 4~7/64Bit

8 Card UID (xx:\_)WG32(5:5) / u64(7~10:8) :

Card Code, last 5 digit UID WG5:5 or HEX 0~3/64Bit

Step 9 10 11 12 is Time Zone setting to set user access on specific time zone for Main Controller and Slave Reader. Time Zone settings please refer to 2-8.

## 2. Interface Overview

### 9 Main Door Access :

Enabling access time zone for Main Controller

### 10 Time Zone :

Set access time zone for Main Controller, 0=free zone or set between 1-62 if access time zone is set on manual part 2-8

### 11 WG Door Access : Enabling access time zone for Slave Reader

### 12 Time Zone :

Set access time zone for Slave Reader, 0=free zone or set between 1-62 if access time zone is set on manual part 2-8

### 13 User Level(0~3) :

User access level options between 0~3. User Level must be correspond to Time Zone Level and Door Group Level to confirm access identification required by user.

The reason is that we use Level Comparison Function to realize;

In "Card and PIN" Access Mode, the User Card can access the door with Card Only if its level is higher than both Time Zone Level and Door Group Level; the User Card can access the door with Card and PIN if its level is equal to both Time Zone Level and Door Group Level; can't access the door if its level is lower than Time Zone Level or Door Group Level.

#### Level Comparison Rule Chart

| User Level | Time Zone Level | Door Group Level | Access Mode   |
|------------|-----------------|------------------|---------------|
| 1          | 0               | 0                | Card Only     |
| 1          | 1               | 0                | Card and PIN  |
| 1          | 0               | 1                | Card and PIN  |
| 1          | 1               | 1                | Card and PIN  |
| 1          | 0               | 2                | Cannot access |
| 1          | 2               | 0                | Cannot access |

#### Level Comparison Chart for the example

| User Level | Time Zone Level   | Door Group Level                       | Access Mode |
|------------|-------------------|--|-------------|
| 02         | 00< User level 02 | Group 001: level 01<br>< User level 02 | Card Only   |
| 02         | 00< User level 02 | Group 002: level 02<br>= User level 02 | Card+ Pin+# |

Step **14** **15** **16** is Date Limit setting to allow access only in between start day and expiry day.

**14** Access Date Limit : Allowing user access in between date limit by ticking the box

**15** Start Day (YY-MM-DD) : User starting date to have access

**16** Expiry Day (YY-MM-DD) : User last date to have access

**17** Update : Press Update button to save changed.

### 2-8 / Time Zone

**SOYAL™**  
ACCESS CONTROLLER

AR837E/EF  
F/W: 4.3 191023

Time Zone

Zone << 1 Go to >> Level 0 Link to 0 (0 for Free, 64 for End) Holiday

| Weekday | Hour | Minute | ~ | Hour | Minute |
|---------|------|--------|---|------|--------|
| SUN     | 0    | 0      | ~ | 0    | 0      |
| MON     | 0    | 0      | ~ | 0    | 0      |
| TUE     | 0    | 0      | ~ | 0    | 0      |
| WED     | 0    | 0      | ~ | 0    | 0      |
| THU     | 0    | 0      | ~ | 0    | 0      |
| FRI     | 0    | 0      | ~ | 0    | 0      |
| SAT     | 0    | 0      | ~ | 0    | 0      |

Update

**1** Click 'Time Zone' on the left side menu to set time zone in a week.

**2** Level :

Time zone level differentiate between 0~3, User with higher level index number is allowed to access those time zones or door groups with lower level index numbers. (3 is the highest authority)

**3** Link to :

Setting a set of time zone that could link to other time zone for compound setting. 0=free access, 64=END (no linking to other timezone)

**4** Holiday :

Access time zone setting is for daily basis, if required to activate particular time zone on holiday edit, please tick the box. Holiday edit can be set on 701Client software.

## 2. Interface Overview

Step **5** **6** **7** **8** **9** is a setup for Time Zone in a weekday (Sun-Sat)

Note: setting time zone control period must be in 00:00~23:59 format.

### Conditions:

- If there is a gap in between, please separate the time zone into two different zone.
- If it time zone setting exceed midnight, please separate the time zone into two different zone (refer to example of zone 3 & zone 4).

### Example of correct setting:

| Weekday | Zone 1<br>(open for public time) |   | Zone 2   | Zone 3   | Zone 4  |
|---------|----------------------------------|---|--|--|---|
| SUN     | 08:00-12:00                      | 12:00-13:00<br>access is<br>prohibited, does<br>not required to<br>create zone<br>(gap) | 13:00-17:00                                      | 00:00-00:00  | 00:00-00:00   |
| MON     | 08:00-12:00                      |   | 13:00-17:00                                      | 22:00-23:59  | 00:00-07:00   |
| TUE     | 08:00-12:00                      |   | 13:00-17:00                                      | 22:00-23:59  | 00:00-07:00   |
| WED     | 08:00-12:00                      |   | 13:00-17:00                                      | 22:00-23:59  | 00:00-07:00   |
| THU     | 08:00-12:00                      |   | 13:00-17:00                                      | 22:00-23:59  | 00:00-07:00   |
| FRI     | 08:00-12:00                      |   | 13:00-17:00                                      | 22:00-23:59  | 00:00-07:00   |
| SAT     | 08:00-12:00                      |   | 13:00-17:00                                      | 00:00-00:00  | 00:00-00:00   |
| Holiday | V (allow)                        |   |  |  |   |
| Link    | End                              |   | Zone 1<br>(incl. access to<br>Zone 2+ Zone<br>1) | Zone 2<br>(incl. access to<br>Zone 3 + Zone<br>2 + Zone 1) | Zone 3<br>(incl. access to<br>Zone 4 + Zone<br>3+ Zone 2 +<br>Zone 1) |

**5** Weekday : Weekday options

**6** Hour : Starting Hour

**7** Minute : Starting Minute

**8** Hour : Ending Hour

**9** Minute : Ending Minute

**10** Update : Press Update button to save changed.

### 2-9 / Change Login Password

SOYAL™  
ACCESS CONTROLLER

AR837E/EF  
F/W: 4.3 191023

**User Password Setup**

Current State  
Network Setting  
Event Logs  
User List  
Controller Parameters  
User Add / Change  
Time Zone  
**1 Login Password**  
Clock

**2** New Password .....  
**3** Password Again .....  
**4** Update

- 1 Select 'User Password'
- 2 New Password : Enter new password (there's capital letter differentiation)
- 3 Password Again : Retype the new password
- 4 Update : Press Update button to save changed.

### 2-10 / Clock Setting

SOYAL™  
ACCESS CONTROLLER

AR837E/EF  
F/W: 4.3 191023

**Real Time Clock Setting**

Current State  
Network Setting  
Event Logs  
User List  
Controller Parameters  
User Add / Change  
Time Zone  
Login Password  
**1** Clock

| Item            | Setting |
|-----------------|---------|
| <b>2</b> Year   | 20      |
| <b>3</b> Month  | 12      |
| <b>4</b> Day    | 11      |
| <b>5</b> Hour   | 3       |
| <b>6</b> Min    | 51      |
| <b>7</b> Second | 59      |

**8** Update

- 1 Click 'Clock' on the left side menu to manually change clock of the controller
- 2 Year : 2 digit, example: 2021 enter 21
- 3 Month : 2 digit
- 4 Day: 2 digit
- 5 Hour : 2 digit, 24H format
- 6 Min : 2 digit
- 7 Second : 2 digit
- 8 Press Update button to save changed.

## 3. Reference

### 3. Reference

#### 3-1 / FAQ

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- [Why IP readers show offline, but you can enter to its webpage settings?](#)
- [How to change IP Address for LCD Screen of EV5 Series Controller?](#)
- [Why IP readers always show online/offline alternately and not all transaction log can be received timely?](#)

#### 3-2 / YouTube Videos

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- [《SOYAL APP & WEB》 E Series Controller Http Browser Steps](#)

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