SOYAL® AR-725E-M / AR-725E / AR-725X

SOYAL® Touch-Panel Controller & Reader

FC CE MA SOR v090615

Contents

AR-725E-M

1 Reader — 2 User Guide — 3 Terminal Cables — 4 Allen Key and Screws

AR-725E

1 Reader — 2 User Guide — 3 Terminal Cables — 4 Allen Key and Screws

AR-725X

1 Reader — 2 Allen Key and Screws

Note

a. Button Head Pozidriv Tapping Screw: M3x8 — b. Button Head Pozidriv Slotting Screw: 2.5x10

c. Flat Head Cap Philips Tapping Screw: 4x19.1 — d. Security Torx Screw: M3.5x20

e. Flat Head Hex Socket Screw: M3x8 — f. Allen Key — g. Security Torx Wrenches

Installation

AR-725E-M

- Using a screwdriver, screw the metal mounting plate **C.** to the wall.
- Take off the plastic mounting plate **B.** from reader **A.**; and then, pull cable ends through the access holes of **C.** and **B.** and attach **B.** back to reader **A.**.
- Install Security Torx screw (supplied) into the hole of 725E-M at bottom with the Allen Key (supplied).
- Apply power. Green and read Led will light up at the same time, and a beep sound.

AR-725E

- Using a screwdriver, screw the plastic mounting plate **C.** to the wall.
- Attach water resistant gasket to reader **A.**; and then, pull cable ends through the access hole in the plastic mounting plate.
- Install Security Torx screw (supplied) into the hole of 725E at bottom with the Allen Key (supplied).
- Apply power. Green and read Led will light up at the same time, and a beep sound.

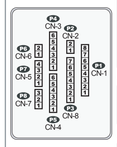
AR-725X + AR-725E

- Attach reader **A1.** to plastic mounting plate **A3.**; and then, install screws (supplied) into the hole of 725E at backside with Allen Key (supplied).
- Attach water resistant gasket **E.** (Flat side turns out) to metal frame **A2.**; and then, attach **A2.** to 725E (**A1.**+**A3.**) and install screws (supplied) into the hole of 725E at backside with Allen Key (supplied).
- Follow up the steps of AR-725E-M.

Notices

1. **Tubing:** The communication wires and power line should not be housed in the same electrical conduit or tubing. They should always be installed in separate tubes.
2. **Cable selection:** Use AWG 22-24 "Shielded Twisted Pair" and avoid star wiring. Use **CAT5** for TCP/IP connection.
3. **Power supply:** Do not connect the reader and lock to the same power supply. While the lock activates, it will cause the reader's power to be unstable and many affect the readers operation. The standard connection of power supply is to have the door relay and the lock using one supply, the reader uses an independent supply.

Connector Table



P1 Table 1 – Connector CN1

Wire Application	Wire	Color	Description
Door Relay	1	Blue White	(N.O.)DC24V1Amp
	2	Purple White	(N.C.)DC24V1Amp
	3	White	(COM)DC24V1Amp
Door Sensor	4	Orange	Negative Trigger Input
Exit Switch	5	Purple	Negative Trigger Input
Alarm Output	6	Gray	Transistor Output Max. 12V/100mA (Open Collector Active Low)
Power	7	Thick Red	DC 12V
	8	Thick Black	DC 0V

P2 Table 2 – Connector CN2

Wire Application	Wire	Color	Description
RS-485 for Lift Controller	1	Thick Green	RS-485(B-)
	2	Thick Blue	RS-485(A+)

P4 P5 Table 3 – Connector CN3 and CN4

Wire Application	Wire	Color	Description
Beeper	1	Pink	Beeper Output 5V/100mA, Low
LED	2	Yellow	Red LED Output 5V/20mA, Max.
	3	Brown	Green LED Output 5V/20mA, Max.
Door Output	4	Blue White	Transistor Output Max. 12V/100mA (Open Collector Active Low)
Wiegand	5	Thin Green	Wiegand DAT: 0 Input
	6	Thin Blue	Wiegand DAT: 1 Input

P7 Table 4 – Connector CN5

Wire Application	Wire	Color	Description
WGB Exit Switch	1	Purple White	Negative Trigger Input
WGB Door Sensor	2	Orange White	Negative Trigger Input
WGA Exit Switch	3	Purple	Negative Trigger Input
WGA Door Sensor	4	Orange	Negative Trigger Input

P8 Table 5 – Connector CN6

Wire Application	Wire	Color	Description
Do	1	Black	GND
	2	White	Transistor Output Max. 12V/100mA (Open Collector Active Low)

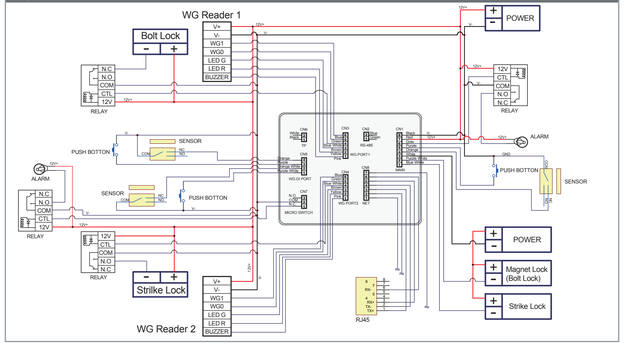
P9 Table 6 – Connector CN7

Wire Application	Wire	Color	Description
Tamoer Switch	1	Red	N.C.
	2	Orange	COM
	3	Yellow	N.O.

P10 Table 7 – Connector CN8

Wire Application	Wire	Color	Description
Reservation	1	-	Reservation
Reservation	2	-	Reservation
TCP/IP Output	3	Green	Net - RX-
	4	Green White	Net - RX+
	5	Orange	Net - TX-
	6	Orange White	Net - TX+
Reservation	7	-	Reservation

System Connection



Command List

Function	Command	Exposition	Control Mode
Entering programming mode	✱ PPPPPP #	PPPPPP: Master Code, (Default value: 123456)	M4/M6/M8
Exiting programming mode	✱ #		M4/M6/M8
Exiting programming mode and enabling all device into arming status. (Including 725E, WGA and WGB)	✱ ✱ #		M4/M6/M8
Exiting programming mode and enabling each device into arming status. (725E, WGA or WGB)	✱ ✱ U #	U= Enable target unit (0=725E, 1=WGA, 2=WGB)	M4/M6/M8
Node ID setting	00 ✱ NNN ✱ MMM ✱ AAA ✱ BBB #	NNN= Node ID of 725E: 001~254 MMM= Door number of 725E AAA= Door number of WGA BBB= Door number of WGB	M4/M8
Door relay time setting	02 ✱ U ✱ TTT #	U= Enable target unit (0=725E, 1=WGA, 2=WGB) TTT= Door relay time (Input 000=Normal open / Input 001~600=1~600 sec. / Input 601~609=0.1~0.9 sec.)	M4/M6/M8
Alarm relay time setting	03 ✱ TTT #	TTT= Door relay time(000=Normal open / 001~600=1~600 sec.)	M4/M6/M8
Control mode setting	04 ✱ N #	N= Mode: 4/6/8	M4/M6/M8
Arming delay time setting	05 ✱ TTT #	Base on second, range: 001~255	M4/M6/M8
Alarm delay time setting	06 ✱ TTT #	Base on second, range: 001~255	M4/M6/M8
Master card setting (For entering programming mode instead of pressing master code)	07 ✱ SSSSS ✱ EEEEE #	Input a user or a batch of user as the master card: 00000~15999 SSSSS= starting user address; EEEEE= ending user address	M4/M8
Auto-open zone setting	08 ✱ U ✱ NN ✱ HHMMhhmm ✱ 76543211H #	U= Enable target unit (0=725E, 1=WGA, 2=WGB) NN: 16 sets of auto-open zone (Range: 00~15) HHMMhhmm=staring time to ending time (i.e.: 08301200=08:30 to 12:00) 7654321: 7 days of week -Sun/Mon/Tue/Wed/Thu/Fri/Sat (Input value: 0=disable; 1=enable) H: Holiday (Input value: 0=disable; 1=enable)	M4/M6/M8
Master code setting	09 ✱ PPPPPPRRRRRR #	PPPPPP= New master code RRRRRR= Repeat the new master code	M4/M6/M8
Suspend or delete tag	Suspend= 10 ✱ SSSSS ✱ EEEEE # Delete= 10 ✱ SSSSS 9 EEEEE #	✱ = Suspend; 9 = Delete SSSSS= starting user address; EEEEE= ending user address	M4/M6/M8
M4/8: Recover tag M6: Setting up a batch of user to access by card only	11 ✱ SSSSS ✱ EEEEE #	Recover the paused tag SSSSS=starting user address; EEEEE= ending user address	M4/M8 M6
Setting up the PWD/PIN	12 ✱ UUUUU ✱ PPPP #	UUUUU= user address; PPPP=4-digit individual PWD(Access mode: Card or PIN)	M4/M8
Setting up the PWD/PIN	13 ✱ UUUUU ✱ PPPP #	UUUUU= user address; PPPP=4-digit individual PWD(Access mode: Card and PIN)	M4/M8
Arming output plus setting	14 ✱ TTT #	Base on 10ms, range:0~255, default value=10 sec.=100	M4/M6/M8
M4/M8: Duress code setting M6: Public PIN setting (Card or PIN)	15 ✱ PPPP #	PPPP=4-digit PWD (P.S. Duress code will be unavailable and as public PIN at access mode "Card or PIN" of M6) (Default value=4321; disable PIN=0000)	M4/M8 M6
Card number modification	16 ✱ UUUUU ✱ SSSSSCCCCC #	UUUUU= user address SSSSS=5-digit side code; CCCCC=5-digit card code	M4/M8
M4/M8: Arming PWD setting M6: Public PIN setting (Card and PIN)	17 ✱ PPPP #	PPPP=4-digit PWD (Default value=1234; disable PIN=0000)	M4/M8 M6
Enabling 725E unit into arming statusstatus	Flashing a valid card and input NNNN #	NNNN=4-digit arming PWD U=Enable target unit (0=725E, 1=WGA, 2=WGB)	M4/M6/M8
Enabling target unit into arming status	Flashing a valid card an input NNNN ✱ U #		

Function Default Value

20 ✱ U ✱ NNN # — *: Default value

Function	Option 0	Option 1	Value	Application
Time Attendance	Yes*	No	001	Networking
Auto Re-lock	Disable*	Enable	002	Networking/Stand-Alone
Auto Open	Disable*	Enable	004	Networking/Stand-Alone
When Access Mode is "Card and PIN", Readers can skip pressing PIN code.	Disable*	Enable	008	Networking/Stand-Alone
Exit by Push Button	Disable	Enable	016	Networking/Stand-Alone
Enable Force Open	Disable*	Enable*	032	Networking
As Access/Exit Reader	Exit*	Access	064	Networking
Anti-pass-back	Disable*	Enable	128	Networking

24 ✱ U ✱ DDD # — *: Default value

Function	Option 0	Option 1	Value	Application
Stop Alarm by...	None*	Push Button/ Door Closed	064	Networking/Stand-Alone
Open door immediately without 1st card presented at auto open zone	Disable*	Enable	128	Networking/Stand-Alone

Option 0= none value; Option 1= 1*each value
i.e. DDD value of Enable "Auto Open" + "Exit by Push Button + "Anti-pass-back"
=004+016+128=148;
As a result of that, the command will be **20 ✱ 0 ✱ 148 #**

Programming

A. Entering and Exiting Programming Mode

Entering:	Exiting:
✱ 123456 # or ✱ PPPPPP # (If already changed, PPPPPP= the New Master Card)	✱ #

Function	Command	Exposition	Control Mode
Enabling all units into arming status	Flashing a valid card and input NNNN ✱ ✱ #		
Disabling all units into arming status	Flashing a valid card and input NNNN ✱ 9 #		
Door close time	18 ✱ TTT #	Base on second, range: 000~255, default value: 15 sec.	M4/M6/M8
Adding tag	19 ✱ UUUUU ✱ QQQQQ #	UUUUU= User address; QQQQQ= Pieces of card	M4/M8
Factory setting-1	20 ✱ U ✱ NNN #	U=Enable target unit (0=725E, 1=WGA, 2=WGB) DDD=Function default value (Please refer to function default value for details)	M4/M6/M8
Lift control setting: multi-doors	21 ✱ UUUUU ✱ G ✱ LLLLLLL #	UUUUU=User address G: 8 groups of lift control (Input range: 0~7) FFFFFFFF: 8 floors/stop setting (0=Disable, 1=Enable)	M4/M8
Add/Delete tag by closing tag into RF area (M6 only)	22 ✱ N #	N=0=Delete tag; N=1=Add tag Close tag into RF area one by one.	M6
AR-401RO realy time setting	23 ✱ MMM ✱ TTT #	NNN= Node ID of lift controller TTT= relay time: 000~600=1~600 sec.	M4/M8
Factory setting-2	24 ✱ U ✱ DDD #	U= Enable target unit (0=725E, 1=WGA, 2=WGB) DDD= Function default value (Please refer to function default value for details)	M4/M6/M8
Real time clock setting	25 ✱ YYMMDDHHMMSS #	YYMMDDHHmmSS: Year/Month/Day/Hour/Min./Sec.	M4/M6/M8
Anti-pass-back (Enable user)	26 ✱ SSSSS ✱ EEEEE ✱ P #	SSSSS=starting user address; EEEEE=ending user address P=0=Enable; P=1=Disable; P=2=Initial	M4/M8
Lift control setting: single door	27 ✱ UUUUU ✱ LL #	UUUUU=User Address; LL=Floor number (01~63 floor/stop)	M4/M8
Duress Function and Arming output setting	28 ✱ FFF #	Arming output: FFF= 008 (default value) Duress Function: FFF= 000	M4/M6/M8
Delete all tag	29 ✱ 29 ✱ #		M4/M6/M8
Same tag reading interval time	31 ✱ TTTT #	Base on 10ms, range from 0 to 6000	M4/M6/M8
Auto ring the clock alarm schedule	32 ✱ SS ✱ HHMMTT ✱ 7654321H #	SS= 16 sets auto alarm schedule, range 0~15 HHMM= HH:MM (ex. 0830: Ring bell at 08:30) TT=Period of time to ring bell (Base on second, range 01~99 sec.) 7654321: 7 days of week -Sun/Mon/Tue/Wed/Thu/Fri/Sat (Input value: 0=disable; 1=enable) H: Holiday (Input value: 0=disable; 1=enable)	M4/M6/M8
Holiday Setting	35 ✱ MMDD ✱ F #	MM= Month of year (01=Jan...10=Oct.) DD= Date of month (01=1st day of month) F= 0:Add; 1: Del	M4/M8

B. Initial Setup

1. Restoring Factory Settings

- **Reset all device parameters and user card data:**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **29** ✱ **299** ✱ # (done)
  → Changing the Master Code to default value:123456→ ✱ # (done)
- **Reset all user card data:**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **29** ✱ **29** ✱ # → ✱ # (done)
- **Reset IP Setting**
  Press "**IP Resent Button**" of main board for few seconds

2. Changing the Master Code

Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **09** ✱ **PPPPPPRRRRRR** #
(Input the 6-digit new master code twice)

3. Changing the Node ID of Reader

Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) →
00 ✱ **NNN** ✱ **MMM** ✱ **AAA** ✱ **BBB** #
(NNN= Node ID: 000~254; MMM=725E Door NO.:1~255; AAA=WGA Door NO.:1~255; BBB=WGB Door NO.:1~255)

C. Setting up the control mode (M4/M6/M8)

Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → 04 ✱ N # (Input: 4/6/8)

Application \ Mode	Mode 4	Mode 6	Mode 8
Connection	Stand-Alone Networking	Stand-Alone	Stand-Alone Networking
User Capacity	16000(0~15999)	65535(1~65535)	16000(0~15999)
Access Mode	**1. Card only** **2. Card and PIN** (4-digit individual PIN) **3. Card or PIN** (if access by PIN only, user should press 9-digit PIN = 5-digit user address + 4-digit individual PIN)	**1. Card only** **2. Card and PIN** (4-digit public PIN = Arming PWD) **3. Card or PIN** (4-digit public PIN = Duress code) P.S.: Duress code is unavailable under M6 and as PWD of PIN only)	**1. Card only** **2. Card and PIN** (4-digit individual PIN) **3. Card or PIN** (if access by PIN only, user could just press 4-digit individual PIN)
Auto-show Work Status	V	X	V
Event Capacity	16000	X	16000
120 Holidays	V	X	V
Duress	V	X	V
Time Zone	63	X	63
Lift Control	64	X	64
Anti-pass-back	V	X	V

D. Setting up the password

1. Individual PWD (M4/M8)

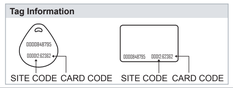
- **Card or PIN**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **12** ✱ **UUUUU** ✱ **PPPP** #
  (i.e. User address: 00001 and PWD: 1234, input 12 ✱ 00001 ✱ 1234 #)
- **Card and PIN**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **13** ✱ **UUUUU** ✱ **PPPP** #
  (i.e. User address: 00001 and PWD: 1234, input 13 ✱ 00001 ✱ 1234 #)

2. Public PWD (M6)

- **Card and PIN (Arming PWD)**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **17** ✱ **PPPP** # (Input 4-digit PWD, default value: 1234)
- **PIN only (Duress Code)**
  Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) → **15** ✱ **PPPP** # (Input 4-digit PWD)

E. Setting up the card users

Tag Information



1. Adding and Deleting Tag (M4/M8)

Adding Tag (M4/M8)

Single Tag	A Batch of Tags	
RF Learn Function	**Sequential Tag NO.**	**Random Tag NO.**
Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **19** ✱ **UUUUU** ✱ **QQQQQ** # UUUUU=5-digit User Address: 00000~15999 QQQQQ: Input 00001 (Only one tag) (i.e. 19 ✱ 00001 ✱ 00001 #) ↓ **Close Tag into RF Area** Present the tag to the controller ↓ **OK** (Memory location number)	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **19** ✱ **UUUUU** ✱ **QQQQQ** # UUUUU=5-digit User Address: 00000~15999 QQQQQ: Input 5-digit tag units: Enter the **quantity of tags** to be added. (i.e.: 10 pcs of sequential tag=00010) ↓ **Close Tag into RF Area** Present the tag with the **lowest number** to the controller. ↓ **OK** (Memory location number)	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **19** ✱ **UUUUU** ✱ **QQQQQ** # UUUUU=5-digit User Address:00000~15999 QQQQQ: Input 00001 ↓ **Close Tag into RF Area** Present the tag to the controller. ↓ **OK** (Memory location number) The First tag has now been added, present the rest of the tags one after the other to add them to the system as well.

Deleting Tag (M4/M8)

Single Tag	A Batch of Tags	Delete All Tags
Memory Location	**Memory Location**	
Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **10** ✱ **SSSSS** 9 **EEEEE** # **9**=Delete **SSSSS**=starting user address **EEEEE**=ending user address (i.e. Delete User Address 00003=10 ✱ 00003 9 00003 #) ↓ **Done**	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **10** ✱ **SSSSS** 9 **EEEEE** # **9**=Delete **SSSSS**=starting user address **EEEEE**=ending user address (i.e. Delete User Address 00004~00010=10 9 00004 ✱ 00010 #) ↓ **Done**	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **29** ✱ **29** ✱ # ↓ **Done**

2. Adding and Deleting Tag (M6)

Adding Tag (M6)	Deleting Tag (M6)	
	Delete Single/A Batch Tag	**Delete All Tag**
Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **11** ✱ **SSSSS** ✱ **EEEEE** # **SSSSS**=starting user address=5-digit card code **EEEEE**=ending user address=5-digit card code (i.e. Add a tag with card code 15031= 11 ✱ 15031 ✱ 15031 #) (i.e. Add a batch of tag with card code 15031~15038= 11 ✱ 15031 ✱ 15038 #) ↓ **Done**	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **10** ✱ **SSSSS** ✱ **EEEEE** # or **10** ✱ **SSSSS** 9 **EEEEE** # **SSSSS**=starting user address=5-digit card code **EEEEE**=ending user address=5-digit card code (i.e. Delete a tag with card code 15031= 10 ✱ 15031 ✱ 15031 #) (i.e. Delete a batch of tag with card code 15031~15038= 10 ✱ 15031 ✱ 15038 #) ↓ **Done**	Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed) ↓ **29** ✱ **29** ✱ # ↓ **Done**

F. Setting up the alarm

1. Conditions:

- Arming status enabled
- Alarm system connected
- **Q: How to enable/disable the arming status?**

A:

By Keypad	By flashing card + Arming PWD
Enable all devices: Access programming mode → press ✱ ✱ #	Enable all devices: Flash card + press 4 digit arming PWD **PPPP** # (default: 1234)
Disable all device : Access programming mode → press ✱ ✱ #	Disable all devices: Flash card + press 4 digit arming PWD **PPPP** ✱ **9** # (default: 1234)
Enable/Disable particular device: Access programming mode → press ✱ ✱ U #	Enable/Disable particular device: Flash card + press 4 digit arming PWD **PPPP** ✱ **U** # (default: 1234, U=0~2)
U=Enable table unit into arming status (0=725E, 1=WGA, 2=WGB)	

2. Application:

- **Door opened too long** (After Normal Opening): Door opened over the time of door relay time and door close time.
- **Door sensor error**: Door sensor is open loop.
- **Force open** (Opened without a valid user card being shown): Access by force open and illegal procedure.

Flow chart:

A.Normal Opening:

B.Abnormal Opening:

Function	Command	Description
Door Relay TM❶	02	To set how long the door relay (lock release) is active for after showing a card. Range: 0 ~ 600 (sec.); 601~609 (0.1~0.9 second) To set value "0" will make door keep opening till card presented again, then door close. (Default value: 7 sec.)
Door Close TM❷	18	Sets how long the door contact can remain open for before activating the alarm. (Base on second, range: 000~255, default value: 15 sec.)
Alarm Relay TM❸	03	When an alarm condition has arisen, the alarm will activate for this duration. Range: 1 ~ 600 (sec.) To set value "0" will make alarm relay keep on until disarming, then alarm relay off. (Default value: 7 sec.)
Alarm Delay TM❸	06	To delay the activation of the alarm relay after an alarm condition has arisen, so that user can have enough time to disable alarm. (Base on second, range: 000~255, dfault value: 1 sec.)
Arming Delay TM	05	To delay the time of enabling arming, so that user can have enough time to disable arming. (Base on second, range: 000~255, default value: 1 sec.)

G. Anti-pass-back

Usually, anti-pass-back is commonly applied to parking areas in order to prevent from multi-entry with one card at a time, or somewhere wants to monitor not only the access but also exit condition.

1. Device enable

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  As exit reader → 20 ✱ U ✱ 128 # please refer to "**20** ✱ **U** ✱ **DDD** #" function default value for additional function value
  U=Enable target unit (0=725E, 1=WGA, 2=WGB)
  As access reader → 20 ✱ U ✱ 192 # please refer to "**20** ✱ **U** ✱ **DDD** #" function default value for additional function value

2. Card user enable

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  26 ✱ **SSSSS** ✱ **EEEEE** ✱ **0** # (i.e. User address from 00001 to 00005 enable the anti-pass-back function: **26** ✱ **00001** ✱ **00005** ✱ **0** #)

H. Auto Open Zone

Door will keep opening after first man flashing card as default value.

1. Enable/Disable auto open zone

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  20 ✱ **U** ✱ **020** # please refer to "**20** ✱ **U** ✱ **DDD** #" function default value for additional function value
  U=Enable target unit (0=725E, 1=WGA, 2=WGB)

2. Enable/Disable auto open door without presenting card (Optional)

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  24 ✱ **U** ✱ **001** # please refer to "**24** ✱ **U** ✱ **DDD** #" function default value for additional function value
  U=Enable target unit (0=725E, 1=WGA, 2=WGB)

3. Setting up open time

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  08 ✱ **0** ✱ **00** ✱ **HHMMHHMM** ✱ **11111110** #
  0=Enable target unit (0=725E, 1=WGA, 2=WGB)
  00= 1st set of auto-open zone (Input range: 00~15)
  08301200=During 8:30 to 12:00, the door will keep opened automatically or after 1st tag flashed.
  11111110= 7 days of week + Holiday (Sun/Mon/Tue/Wed/Thu/Fri/Sat+Holiday) (Input range 0~1, 0=disable; 1=enable) = All days of week will enable the auto open zone except the date is assigned as holiday.

I. Lift control

Connect with lift controller (AR-401RO16) to control which floors the user will be able to access.

1. Device Enable

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  24 ✱ **0** ✱ **002** # please refer to "**24** ✱ **U** ✱ **DDD** #" function default value for additional function value
  U=Enable target unit (0=725E, 1=WGA, 2=WGB)

2. Single floor

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  27 ✱ **00001** ✱ **03** #
  00001=User Address 1
  03= 3rd Floor (Floor number range: 01~63 floor/stop)
  The user address 1 is only able to access 3rd floor.

3. Multi floors

- Access programming mode ✱**123456** # or ✱**Master Code** #(If already changed)
  21 ✱ **00001** ✱ **2** ✱ **01001001** # → **21** ✱ **00001** ✱ **5** ✱ **00010110** #
  00001=User address 1
  2/5: 2nd group (1st floor to 8th floor) / 5th group (41th floor to 48th floor); Group range: 0~7
  01001001: Stop at 17th, 20th and 23th floor.
  00010110: Stop at 42th, 43th and 45th floor.

Group	Floor/Stop F	F	F	F	F	F	F	F
0	8	7	6	5	4	3	2	1
1	16	15	14	13	12	11	10	9
2	24	23	22	21	20	19	18	17
3	32	31	30	29	28	27	26	25
4	40	39	38	37	36	35	34	33
5	48	47	46	45	44	43	42	41
6	56	55	54	53	52	51	50	49
7	64	63	62	61	60	59	58	57

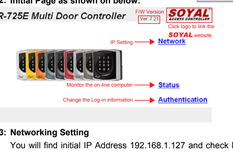
725E IP Setting

Step 1: Turn on your Web Browser and input factory default IP address:

http://192.168.1.127

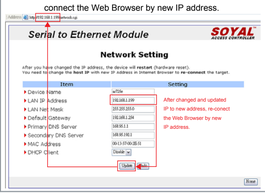
Log-in Window will pop out and please input
User name: **admin**
Password: Nothing as default value,
so please just press "OK" to log-in

Step 2: Initial Page as shown on below:



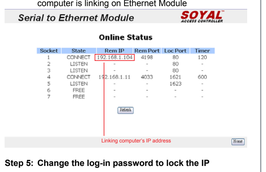
Step 3: Networking Setting

You will find initial IP Address 192.168.1.127 and check MAC Address is same as sticker on Ethernet Module device. Please revising IP address you want then click "Update" button. After updated the IP, please re-connect the Web Browser by new IP address.



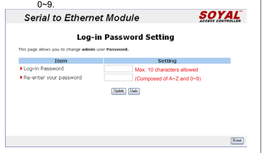
Step 4: STATUS

Online Status is able to monitor and show which computer is linking on Ethernet Module



Step 5: Change the log-in password to lock the IP setting of Ethernet Module.

The password composed of 10 characters either A~Z or 0~9.



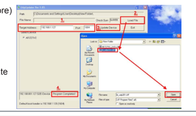
Appendix-Firmware Upgrade

Get the upgrade software from SOYAL or our distributor and run "UdpUpdater" software

A. Execute the software UdpUpdater.exe

B. Boot loader update (Only for Version 1.11 or before)
If your F/W version is 2.xx or later, please skip Step B to Step C

1. Input the Target Address and Port
2. Load the file "bl_udp201.UIF"
3. Click Update Device to start the firmware update
4. Till the screen shown "Program Completed"



C. Update the firmware 725EB_1V03.UIF

1. Input the Target Address and Port
2. Load the file "725EB_1V03.UIF"
3. Click Update Device to start the firmware update
4. Till the screen shown "Program Completed"