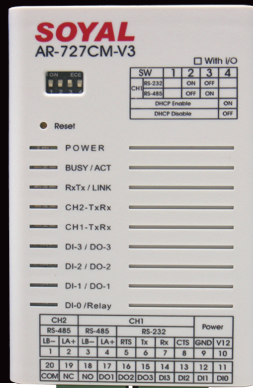


AR-727CM-IO

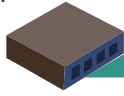
Serial Network Server & Converter

Broadcast Opening Doors with Fire Alarm System Linkage

UDP / RS-485



HUB/Switch



Fire Alarm Control Panel sends Fire Signal

Ethernet / UDP Mode :

Select [Sole or Any] AR-727CM linkage Sources by Access Controllers

A Set up Access Controller to accept the "sole" Fire Alarm linkage source to open the door when the fire occurs.

Item	
Device Name	CONTROLLER (Can be any uni)
LAN IP Address	192.168.1.176
LAN Net Mask	255.255.255.0
Default Gateway	192.168.1.254
Primary DNS Server	168.95.1.1
Secondary DNS Server	192.168.1.171
MAC Address	00-13-57-02-F6-60
DHCP Client	<input type="checkbox"/>
TCP Listen Port	1621 (1024-65530)
HTTP Server Port	80 (80-65530)
Socket Timeout	120 (0-600)sec. (TCP Client Ke
Node ID (Device ID)	2
Message Server IP 1st	0.0.0.0

B Set up Access Controller to accept the "any" Fire Alarm linkage source to open the door when the fire occurs.

Item	
Device Name	CONTROLLER (Can be a
LAN IP Address	192.168.1.176
LAN Net Mask	255.255.255.0
Default Gateway	192.168.1.254
Primary DNS Server	168.95.1.1
Secondary DNS Server	0.0.0.0
MAC Address	00-13-57-02-F6-60
DHCP Client	<input type="checkbox"/>
TCP Listen Port	1621 (1024-65530)
HTTP Server Port	80 (80-65530)
Socket Timeout	120 (0-600)sec. (TCP Clie
Node ID (Device ID)	2

CH1/CH2 RS485 Mode :

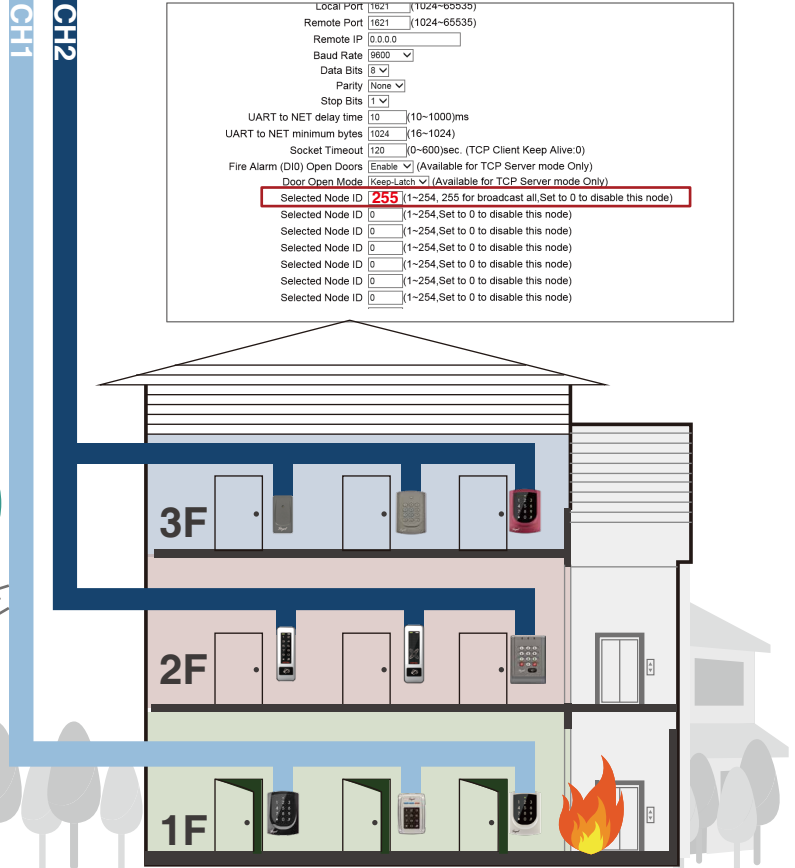
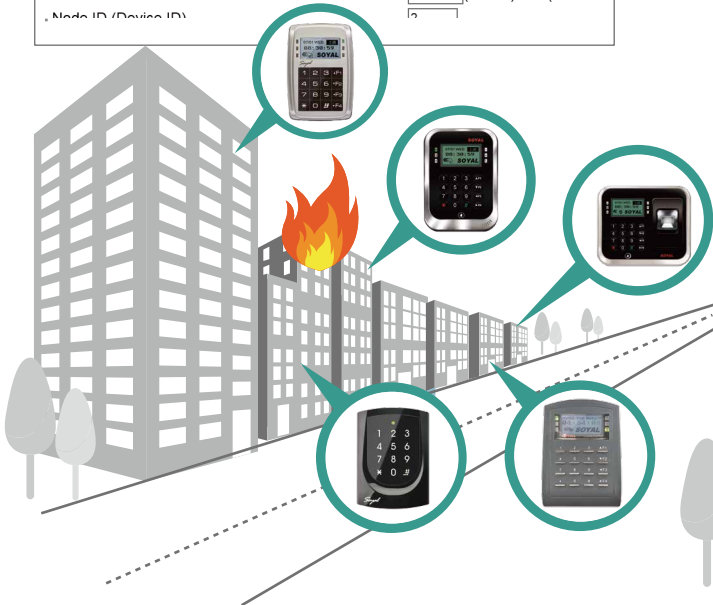
Assign [Specified or All] Access Controllers to open by AR-727CM

A Specified Access Controllers Linkage - Input Node ID of Access Controllers in the blank column of Select Node ID of AR727CM-CH1/2

Data Bits	8	CH1/CH2 support up to 8 units of controllers respectively
Parity	None	
Stop Bits	1	
UART to NET delay time	10	(10-1000)ms
UART to NET minimum bytes	1024	(16-1024)
Socket Timeout	120	(0-600)sec. (TCP Client Keep Alive:0)
Fire Alarm (DIO) Open Doors	Enable	(Available for TCP Server mode Only)
Door Open Mode	Keep-Latch	(Available for TCP Server mode Only)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
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Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)

B All Access Controllers Linkage – Input Number "255" in the first blank column of Select Node ID of AR727CM-CH1/2

Local Port	1621	(1024-65530)
Remote Port	1621	(1024-65530)
Remote IP	0.0.0.0	
Baud Rate	9600	
Data Bits	8	
Parity	None	
Stop Bits	1	
UART to NET delay time	10	(10-1000)ms
UART to NET minimum bytes	1024	(16-1024)
Socket Timeout	120	(0-600)sec. (TCP Client Keep Alive:0)
Fire Alarm (DIO) Open Doors	Enable	(Available for TCP Server mode Only)
Door Open Mode	Keep-Latch	(Available for TCP Server mode Only)
Selected Node ID	255	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
Selected Node ID	0	(1-254, Set to 0 to disable this node)
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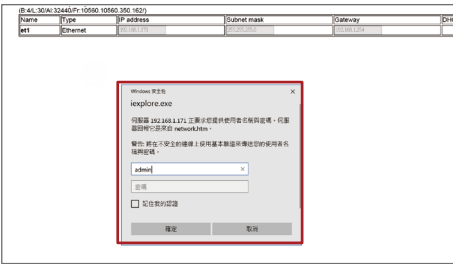


UDP / RS485 Setting Procedure of Broadcasting Opening Doors with Fire Alarm System Linkage

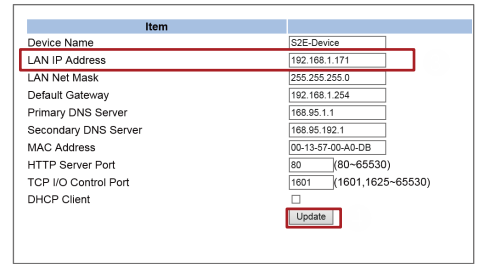
Login AR-727CM and Change IP address



1 Open IE Browser and input IP Address of 727CM (Default IP address is **http://192.168.1.127**)

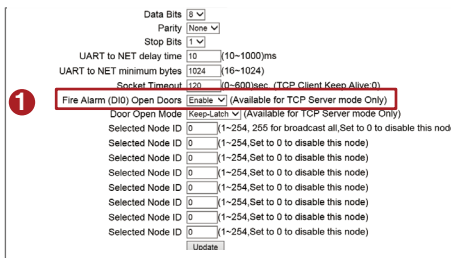


2 For First enter the setting page, the Login Account is needed. The default Login name is **admin** and the password is not needed. (After login, the login Name and password could be changed.)

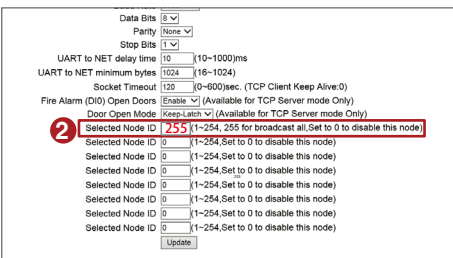


3 After entering **Network Setting** page, IP address could be changed if needed.
4 Press **"Update"** Button to write the new IP address to devices and then enter the setting page again by inputting the new IP Address.

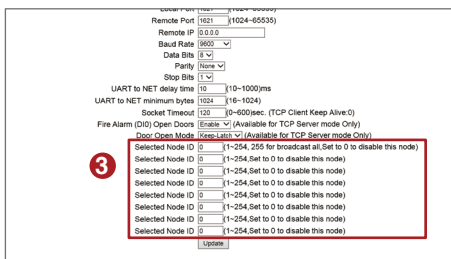
CH1/CH2 RS485 Mode : Assign [Specified or All] Access Controllers to open by AR-727CM



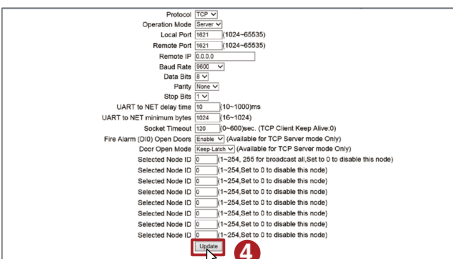
1 Fire Alarm (DI0) Open Doors **Enable** (Available for TCP Server mode Only)



2 Selected Node ID **255** (1-254, 255 for broadcast all. Set to 0 to disable this node)



3 Selected Node ID **1-254, 255** for broadcast all. Set to 0 to disable this node



4 Update

1 After entering **Channel Setting** page, change the status of Fire Alarm (DI0) Open Doors from **Disable (default) to Enable**.

2 If all doors need to be unlocked automatically when the fire occurs, please input Number **"255"** in the first blank Column of **Select Node ID** of AR727CM-CH1/2

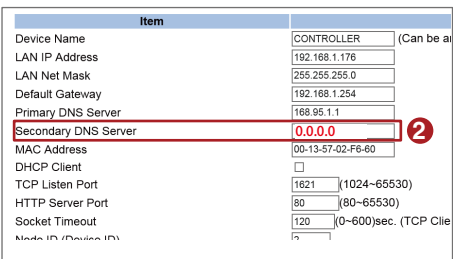
3 If only the specified doors need to be unlocked automatically when the fire occurs, please respectively input the **Node ID** of Access Controllers

4 After the settings are completed, please press **"Update"** Button to save and write the new settings to device.

Ethernet/UDP Mode : Select [Sole or Any] AR-727CM linkage Sources by Access Controllers

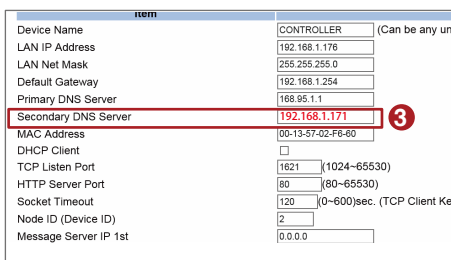


1 After you have changed the IP address, the device will rest. Please update the IP address in the browser after any chan

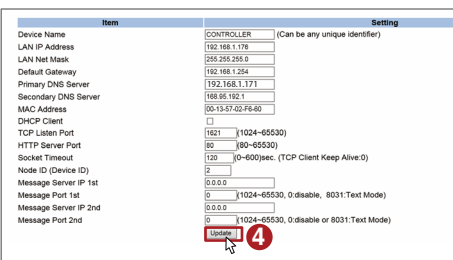


1 Open IE Browser and input IP Address of E/V5 Access Controllers, enter Network Setting page.

2 If all doors need to be unlocked automatically when the fire occurs, please set the **Secondary DNS Server** of each controller to **0.0.0.0**, then the controller can accept the command from any Fire Alarm Linkage Source to open the door.



3



4 Update

3 If only the specified doors need to be unlocked automatically when the fire occurs, please respectively set the **Secondary DNS Server** of specified controllers to **727CM IP Address**, then the specified controllers can accept the command from the Sole Fire Alarm Linkage Source to open the door.

4 After the settings are completed, please press **"Update"** Button to save and write the new settings to device.