

漢 軍 科 技

HUNDURE

EPC420io Setting Tool

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IP Address Notes

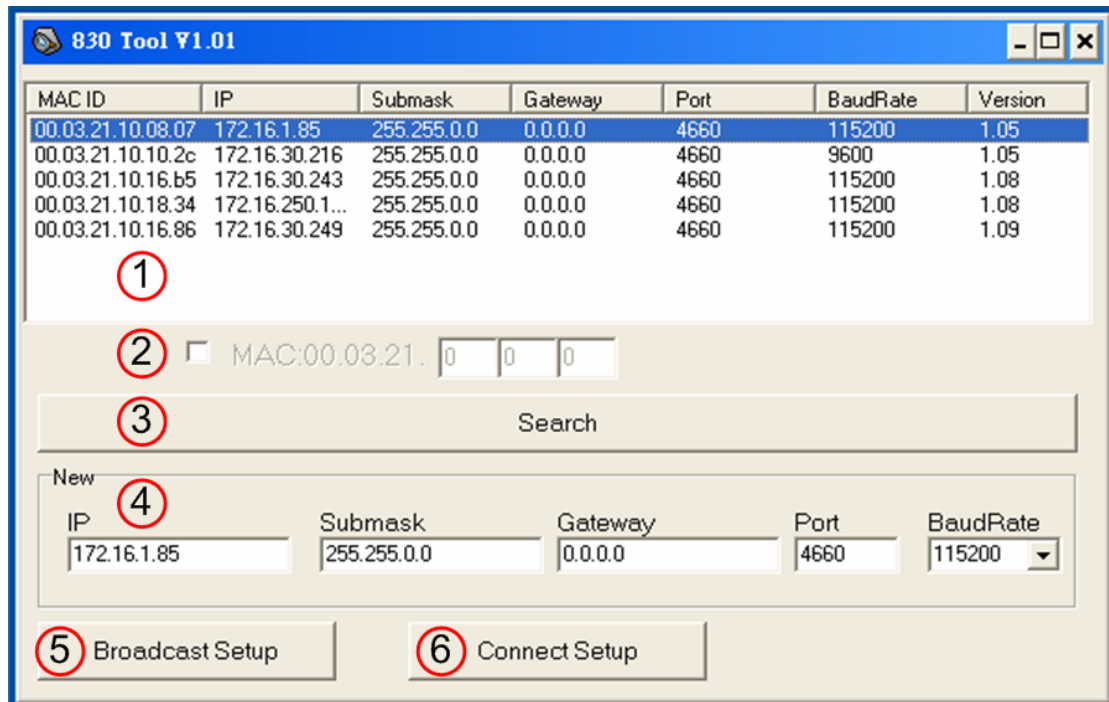
Before entering the tool, you need to know the IP address first. If you don't know the IP address, it is recommended to use the "HTA830 Tool" search. (Please contact Hundure customer service for a copy)

A 、 Overview :

HTA-830 Tool.exe is a program that automatically locates TCP/IP based controller as well as modify the device's IP address. This program is application to TCP/IP device and does not require installation. Double click on the programs to execute.

This program used broadcast search and connection method. And the terminal's firewall should be shut down in order to locate the devices.

B 、 Workspace Description :



① Device List – Found devices are listed in this area. The following parameters are also included in the listing:

- MAC ID (Media Access Control Identification): It serves as unique identifier of the device connected over the network. This fixed identification number is set from the factory and is not allowed to be modified.
- IP (Internet Protocol Address): Default is 172.16.250.100. IP address should be unique. Kindly differentiate the devices using their MAC ID on the initial search.
- Submask (Subnet Mask): Default is 255.255.0.0
- Gateway: Default is 0.0.0.0

- Port: Communication port, default is 4660.
- Baud Rate: Communication baud rate. Different device supports different baud rate. Kindly check its manual individually.
- ② Function reserved
- ③ Search Button: Click this button to search all the devices connected over the network.
- ④ New settings area: Modifies device' s IP address, Submask, Gateway, Port and Baud Rate.
- ⑤ Broadcast Setup: This button will set new parameters to a device via broadcast method.
- ⑥ Connect Setup: This button is connecting with a device and sets its new parameters.

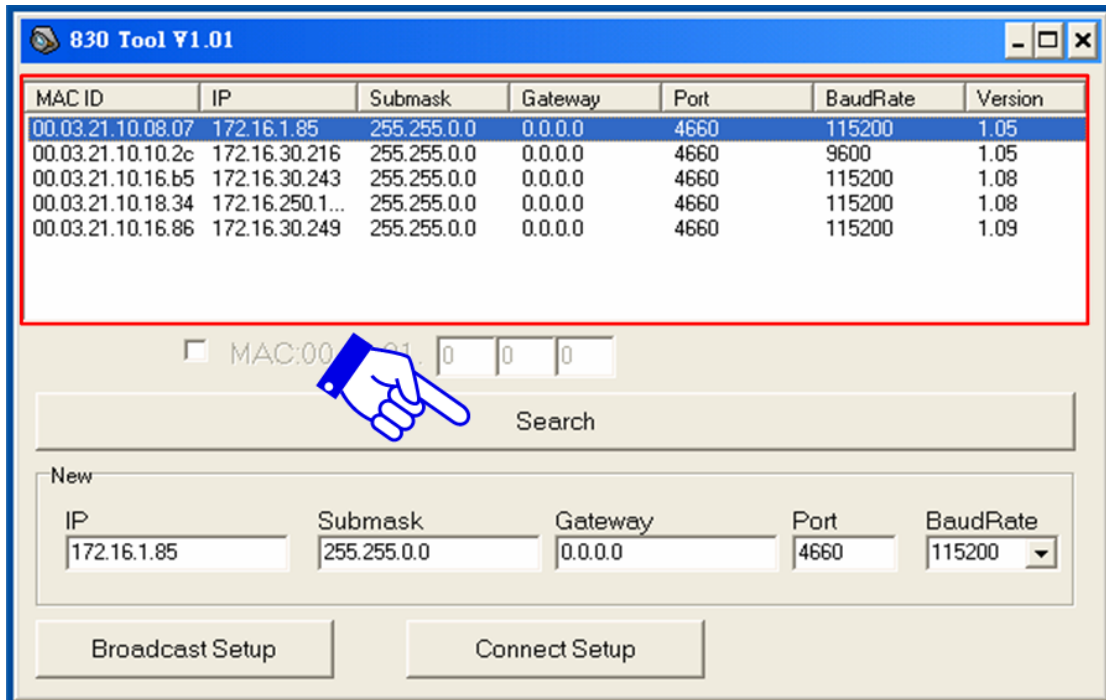
C 、 Operation Procedure :

C-1 Shut down firewall

C-2 Double click HTA830Tools.exe to execute program.

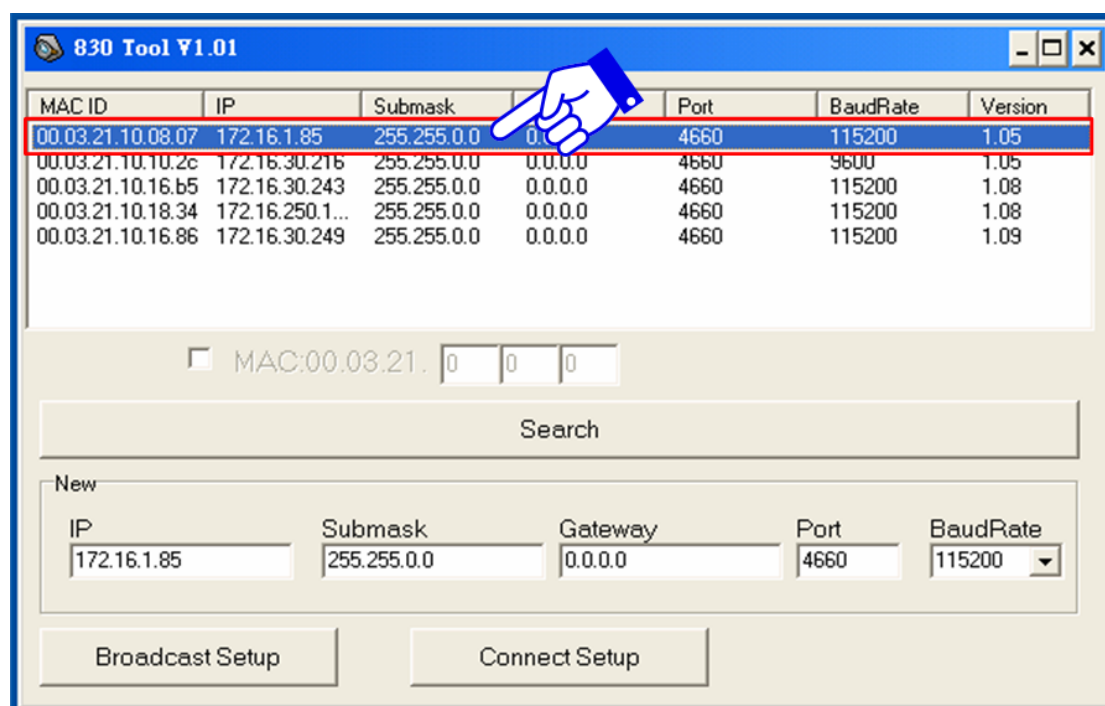
C-3 Click on "Search" button to locate the devices over the network. Returned results will be shown in the device list area.

Kindly refer to follow figure :

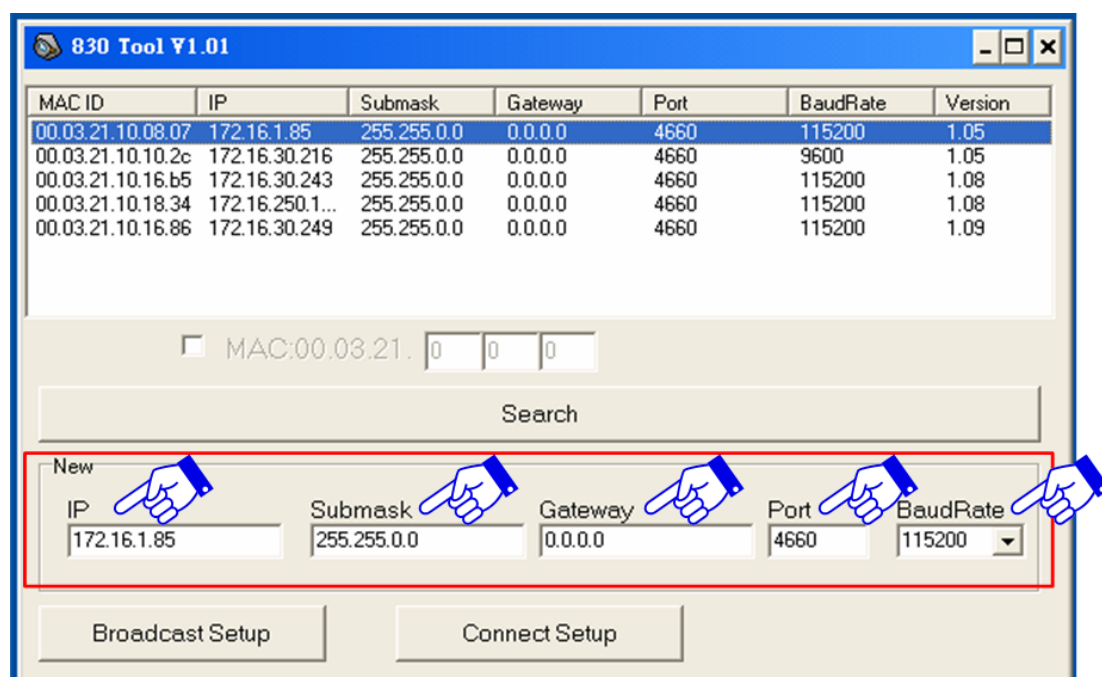


- If found devices have the same IP addresses, kindly differentiate each using their MAC ID °

C-4 Select a device as shown below:



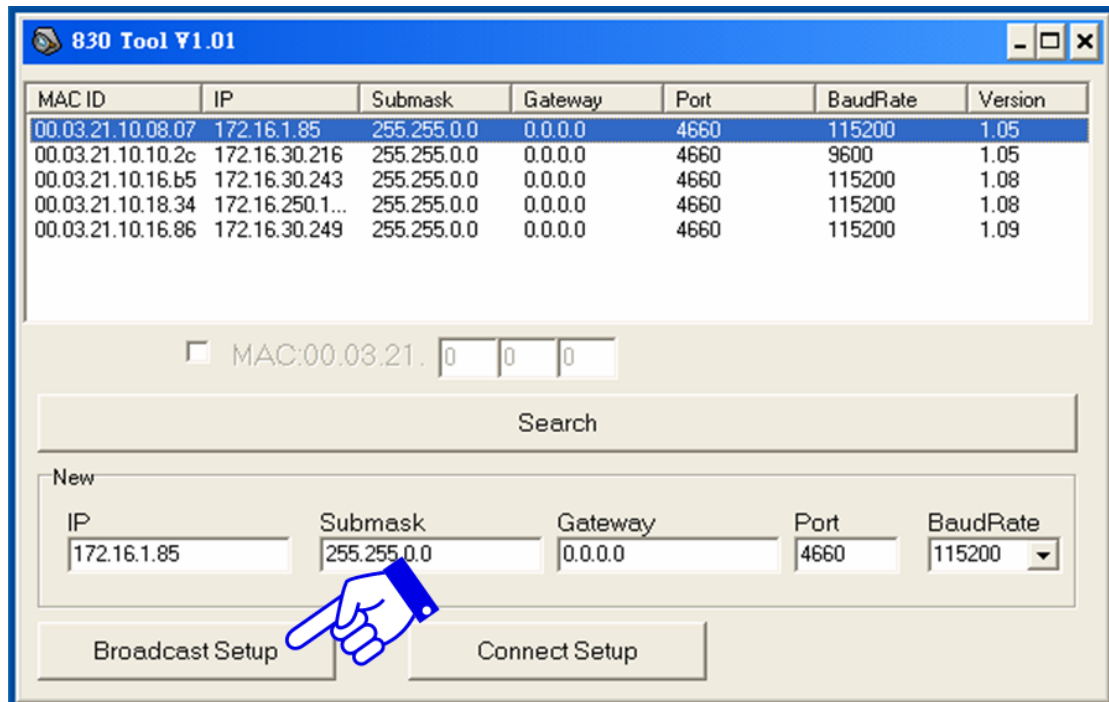
C-5 Current settings of the selected device will be displayed in the " New" settings area. To modify it, overwrite the parameters :



- IP : New IP address
- Submask : Sub Mask
- Gateway : Modification is not required if the devices are connected on the same network.
- Port : Default is 4660 or user-defined port.
- Baud Rate : Definition by different devices.

Kindly inquire the necessary information about the network environment from your IT personnel. All parameter settings should be the same with the system in order to establish connection with the devices.

C-6 Verify the new parameters before pressing the “Broadcast Setup” button. :



- “Broadcast Setup” is applicable when devices are connected under the same network. However, if the program and device belong to different network or if connection cannot be established due to network barriers, kindly use “Connect Setup” button to set the parameters. °

C-7 Upon completion of the settings, the device will automatically restart and temporarily disconnects from the network. Kindly wait for 10-20 sec. before searching the device again. Check if the parameters are correct and successfully modified.

830 Tool V1.01

MAC ID	IP	Submask	Gateway	Port	BaudRate	Version
00.03.21.10.17.56	10.205.51.100	255.255.255.0	10.205.51.254	4660	115200	1.08
00.03.21.10.16.86	172.16.30.249	255.255.0.0	0.0.0.0	4660	115200	1.09
00.03.21.10.16.b5	172.16.30.243	255.255.0.0	0.0.0.0	4660	115200	1.08
00.03.21.10.10.2c	172.16.30.216	255.255.0.0	0.0.0.0	4660	9600	1.05
00.03.21.10.08.07	172.16.1.85	255.255.0.0	0.0.0.0	4660	115200	1.05

☐ MAC:00.03.21.10.08.07

Search

New

IP	Submask	Gateway	Port	BaudRate
172.16.1.85	255.255.0.0	0.0.0.0	4660	115200

Broadcast Setup

Connect Setup

1. Enter the setting tool

After the Setting Tool screen is opened, enter the relevant information and click the “Open” to connect. After the connection is successful, the system will automatically read the relevant parameters and display them on each function page below (except Fire Alarm Link Event); after connecting, you can also click the “Close” to disconnect.

The screenshot shows the EPC420 Setting Tool - V1.4 interface. The window has a title bar and a menu bar with tabs: Basic, Fire Alarm Link(LAN), Fire Alarm Link(RS485_1), Fire Alarm Link(RS485_2), Sensor Fire Alarm Setting, Converter Setting, and Fire Alarm Link Event. The Basic tab is active. It contains fields for DeviceIP (172.16.35.97), DevicePort (4660), and PWD (*****). Buttons for 'Open' and 'Close' are present. Below these are sections for 'Get Device Info' (with 'Set Login Pwd' button), 'Initial Device' (with 'Record' and 'Parameter' checkboxes), 'In Device Idle Restart Time(min.)' (0), and 'Release Fire Alarm Link'. There are also 'Time' and 'Network' sections with various settings and 'Sync To Device' buttons.

DeviceIP: device IP address.

DevicePort: device communication port.

PWD: device connection password.

2. Basic

Basic function page: Set device-related parameters; the purple/red button is for setting up the device, and there are messages for related button operations.

【Get Device Info】: Get the device information.

【Initial Device】: Device initialization, provide record and parameter.

【In Device Idle Restart Time(min.)】: When idle, restart time. (Unit: minutes, 0 means disable this function)

【Release Fire Alarm Link】: The fire alarm linkage is released.

【Set Login Pwd】: Set the password.

Time :

【Get Device Time】: Get the current time of the device.

【Set Device Time】: Set the current time of the device.

NTP Set

Time Zone : Current time zone.

Domain/IP : Time server URL/network location.

【Sync To Device】: Synchronize to device.

Network :

LAN1 Port : Device communication port.

Use DHCP : Use DHCP to automatically obtain device IP.

DeviceIP : Device IP.

SubMask : Device subnet mask.

Gateway : Device gateway.

DNS : Device DNS.

【Sync To Device】: Synchronize to device.

Other :

Broadcast Sync Time To RS485_1/2 : Time calibration for devices under RS-485.

【Sync To Device】: Synchronize to device.

3. Fire Alarm Link(LAN) function

Fire Alarm Link(LAN) function page: This function is the IP address that needs to be linked to the message after receiving the message from the corresponding sensor point. It supports 32 groups of IP addresses and the IP addresses cannot be repeated; the purple button is for setting up the device, and there are messages for related button operations.

[illegible]

Note: The device defaults to RS-485_1/2: Sensor 1, Sensor 2

LAN: from Sensor 3 to Sensor 8.

Sensor : The message transmission corresponds to multiple sensor points.

For example : 00000000 From left to right : Sensor 8 → Sensor 1

00000100→Sensor 3 action.

10100100→Sensor 8, Sensor 6 and Sensor 3 action.

IP Address : The IP address linked after sending the message.

【Add Data】: Add setting data to the rule list on the right.

【Delete Select Data】: Delete the selected data from the rules list.

【Sync To Device】: Synchronize rule list to device.

[illegible]

5. Fire Alarm Link(RS485_2) Function

Fire Alarm Link(RS485_2) Function Page: This function is the second device under RS485 that needs to be linked to the message after receiving the message from the corresponding Sensor point; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the "EPC420 Setting Tool - V1.4" window. At the top, there are fields for "DeviceIP" (172.16.35.97), "DevicePort" (4660), and "PWD" (*****). Below these are "Open" and "Close" buttons. A tabbed interface at the bottom includes tabs for "Basic", "Fire Alarm Link(LAN)", "Fire Alarm Link(RS485_1)", "Fire Alarm Link(RS485_2)", "Sensor Fire Alarm Setting", "Converter Setting", and "Fire Alarm Link Event". The "Sensor Fire Alarm Setting" tab is active, showing a "Sensor" dropdown menu set to "1", a "Set Data" button, and a highlighted "Sync To Device" button. On the right side of the window, a large table is visible with columns labeled "ID" and "Sensor".

Sensor : The message corresponds to the Sensor point.

【Set Data】: Set data to the rule list on the right.

【Sync To Device】: Synchronize rule list to device.

6. Sensor Fire Alarm Setting Function

Sensor Fire Alarm Setting Function Page : This function is a follow-up operation that needs to be performed when the 8 Fire Sensor points on the EPC420 send a message; the purple button is for setting up the device, and there are messages for related button operations.

The screenshot shows the 'EPC420 Setting Tool - V1.4' window. At the top, there are fields for 'DeviceIP' (172.16.35.97), 'DevicePort' (4660), and 'PVD' (*****), along with 'Open' and 'Close' buttons. Below this is a tabbed interface with tabs for 'Basic', 'Fire Alarm Link(LAN)', 'Fire Alarm Link(RS485_1)', 'Fire Alarm Link(RS485_2)', 'Sensor Fire Alarm Setting' (which is active), 'Converter Setting', and 'Fire Alarm Link Event'. The 'Sensor Fire Alarm Setting' tab contains a list of eight sensors. Each sensor has a dropdown menu for its 'Fire Alarm Link' and a checkbox for 'Alarm Sound'. The links are: Sensor1 (RS485_1), Sensor2 (RS485_2), Sensor3 (LAN), Sensor4 (LAN), Sensor5 (LAN), Sensor6 (LAN), Sensor7 (LAN), and Sensor8 (LAN). All 'Alarm Sound' checkboxes are currently unchecked. At the bottom of the list is a purple button labeled 'Sync To Device'.

Sensor	Fire Alarm Link	Alarm Sound
Sensor1	RS485_1	<input type="checkbox"/>
Sensor2	RS485_2	<input type="checkbox"/>
Sensor3	LAN	<input type="checkbox"/>
Sensor4	LAN	<input type="checkbox"/>
Sensor5	LAN	<input type="checkbox"/>
Sensor6	LAN	<input type="checkbox"/>
Sensor7	LAN	<input type="checkbox"/>
Sensor8	LAN	<input type="checkbox"/>

[Sync To Device](#)

Sensor(1~8) Fire Alarm Link : Follow-up operations after Sensor point triggering sensor.

Alarm Sound : Whether to turn on the alarm sound.

【[Sync To Device](#)】 : Synchronize set data to device.

7. Converter Setting Function

Converter Setting: This function is that the two RS485s of the EPC420 can also be used as communication converters and can be set through this page; the purple button is for setting up the device, and there are messages for related button operations.

EPC420 Setting Tool - V1.4

DeviceIP: 172.16.35.97 DevicePort: 4660 PWD: ***** Open Close

Basic Fire Alarm Link(LAN) Fire Alarm Link(RS485_1) Fire Alarm Link(RS485_2) Sensor Fire Alarm Setting Converter Setting Fire Alarm Link Event

Sensor1 Fire Alarm Link: RS485_1 ☐ Alarm Sound

Sensor2 Fire Alarm Link: RS485_2 ☐ Alarm Sound

Sensor3 Fire Alarm Link: LAN ☐ Alarm Sound

Sensor4 Fire Alarm Link: LAN ☐ Alarm Sound

Sensor5 Fire Alarm Link: LAN ☐ Alarm Sound

Sensor6 Fire Alarm Link: LAN ☐ Alarm Sound

Sensor7 Fire Alarm Link: LAN ☐ Alarm Sound

Sensor8 Fire Alarm Link: LAN ☐ Alarm Sound

Sync To Device

Lan2->RS-485_1

Lan2 Mode : Provide 4 modes to connect · TCP server(Default) · TCP client · UDP server · UDP client. User can select any one of them to operate.

Lan2 Rev Port : Port Number. Default 4661(Lan2)/4662(Lan3)

Lan2 Link IP : Lan2 Link IP address.

Lan2 Link Port : Lan2 Link Port number, Default: 1

TimeOut (ms) : Set device timeout · Default: 20

Baudrate : 2400 · 4800 · 9600 · 19200(Default) · 38400 · 57600 · 115200

Parity : Check bit · None(Default) · Even · Odd.

Data bits : 8(Default) · 9.If the parity bit is even or odd · the data bit will become 7 · 8.

Stop bits : Stop bit · 1.5 · 1(Default) · 2

Lan3->RS-485_2 settings are the same as above.

【Sync To Device】: Synchronize set data to device.

8. Fire Alarm Link Event Function

Fire Alarm Link Event Function Page: This function can view the linkage events reported by the device, and capture the latest 50 LAN and RS485 event linkage data through the "GetEvent" button.

[illegible]