# CAPSOLControl Hardware Install

v14.1

# Quick Start Instruction Guide

Prepared for:

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# CAPSOLSuite

## 1. Definition

CAPSOLSuite is a scalable and flexible Intelligent Mass Notification Solution.

The CAPSOLSuite consists of three product platforms.

- CAPSOL® is a cloud-based data monitoring and analytics system.
  - Includes:
    - Multiple data feeds
    - Map View with Geo-location
    - Advanced Rules Engine (ARE)
    - Reports
  - Push Notification
    - Instant Mobile Alerting (IMA™)
    - DRMessenger™
- CAPSOLNotes ™ cloud based mobile applications
  - Includes:
    - S4S™
    - F4S™
- CAPSOLControl™ Enterprise Notification
  - On Site Local Computer Based Application includes:
    - Ethernet control of LED Text Signs and outputs using LED Sign Controller
    - Ethernet input capability from LED Text Signs and LED Sign Controller
    - Single point of Integration
    - Optional Radio Control of outputs and LED Text Signs
    - Optional Radio Input capability
  - IPAWS Integration
    - EAS, WEA, NWEM
    - NOAA Weather

These three platforms and modules operate independently as feature rich applications, but when used together, seamlessly integrate into a powerful intelligent mass notification solution.

# CAPSOLControl Stand Alone

## 2. CAPSOLControl Stand Alone

A. CAPSOLControl can operate in a limited stand-alone configuration when used to activate LED Text Displays only. Unlocking all the other features require the CAPSOLControl program module.

B. Used as a stand-alone LED Display system, an LEDControl-SA is required for interfacing with the LED Text Displays. The LEDController will communicate with up to 1,000 LED Displays of either model.

C. The LED Controller has 12 dry contact inputs and two relay outputs. The 12 inputs are used to activate up to 12 different messages. Relay #1 is programmed to trip on system or sign trouble. This contact can be monitored by a fire alarm control panel to indicate LED sign integrity. Relay #2 is not usable in a stand-alone configuration.

D. The controller should be powered from 24 VDC and should be connected to a supply with backup capability.

E. When used to indicate FIRE when connected to a fire alarm control panel, the fire alarm input should be connected to input #1.

To unlock all the features of CAPSOLControl, the LED Controller must be connected to the CAPSOLControl program module.

# CAPSOLControl Program

## 3. CAPSOLControl Program

A. CAPSOLControl is an On-Premise IP Based Operator Terminal for providing user friendly platform for performing CAPSOLControl functions. On-Premise allows local control regardless of internet connection

B. CAPSOLControl is much more than messaging or alerting. The CAPSOLControl program gives the user the options of :

1. Automatic or manual messaging to LED Displays
2. Interfacing with IMA or DRMessenger for push notification
3. Utilizing IPAWS for NOAA Weather alerts or sending emergency messages such as Amber Alerts.
4. Sending email or text messages
5. Message on computer desktops with Emergency Computer Messaging (ECM)
6. Text To Speech of message being transmitted
7. Activation of relays to turn on or off other systems
8. Door Locking or Door Release
9. Closing or opening of gates
10. Raising or lowering guards or bollards
11. Monitoring of inputs
12. Integration with the Advanced Rules Engine (ARE) allowing CBE programming
13. Interface with radio for messaging

C. Features and Benefits of CAPSOLControl™

1. Ease of Use: The dashboard and user interface is simple and easy to use
2. Scalable: Being scalable keeps cost in line. System can be expanded as needs change.
3. Flexible: Can be installed on a stand-alone server or shared on an existing server installation.
4. Audible Notification: An available Text-To-Speech module or embedded audio can be incorporated to audibly alert the message being sent.
5. Customizable: Standard product which can be deployed to meet customer specific needs

# Stand-Alone Hardware

## 4. CAPSOLControl Stand-Alone Hardware

A. For a stand-alone installation, the CAPSOLControl Hardware consists of two primary devices. These are:

1. LED Text Display
    a. LED-01
    b. LEDM-01

2. Controller
    a. LEDControl - SA

B. To begin programming, connect to the first device. The computer used for configuration must have an IP address and subnet mask assigned within the same network as the sign and controller such as 192.168.111.10 / 255.255.255.0.

C. If you are unfamiliar with assigning an IP Address or do not have the proper credentials to do so, please get with the network system administrator.

D. Both Signs and Controllers are default set to IP 192.168.111.111

E. Please install one device (sign or controller) at a time, navigating to this IP address to find the Login page. Change the device IP address as found later in the Network Settings.

F. Wen turning on the sign, the sign will display a sign name. Record that information for use in programming.

# 5. LED Sign Programming

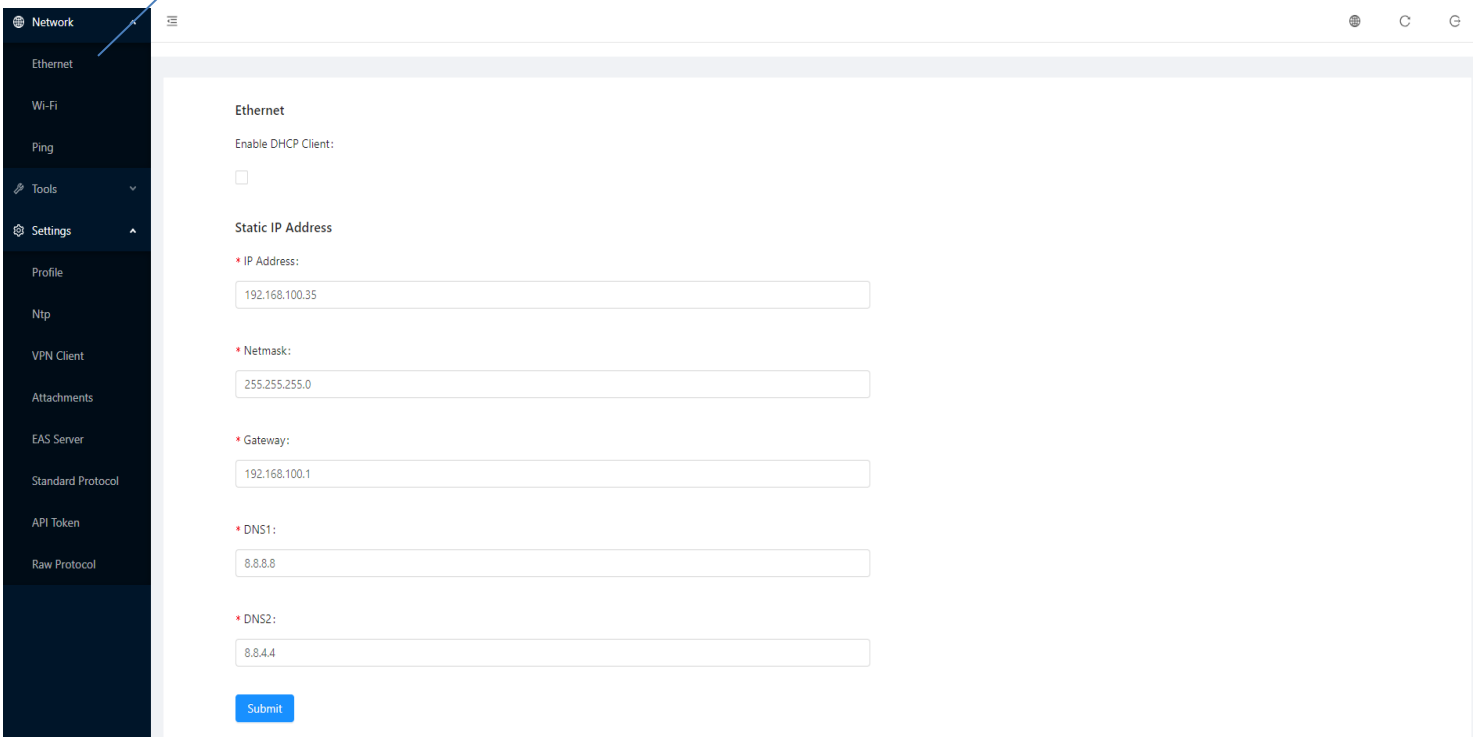
## A. Sign Login

1. Connecting to the controller, open a browser and navigate in browser window to URL of sign, which is “http://” plus the IP Address of the sign plus “/my/” (ie: “http://192.168.100.1/my/” )
2. Default credentials are Username: admin , Password: admin , Click Submit when done.

# 5. LED Sign Programming

## B. Sign Network

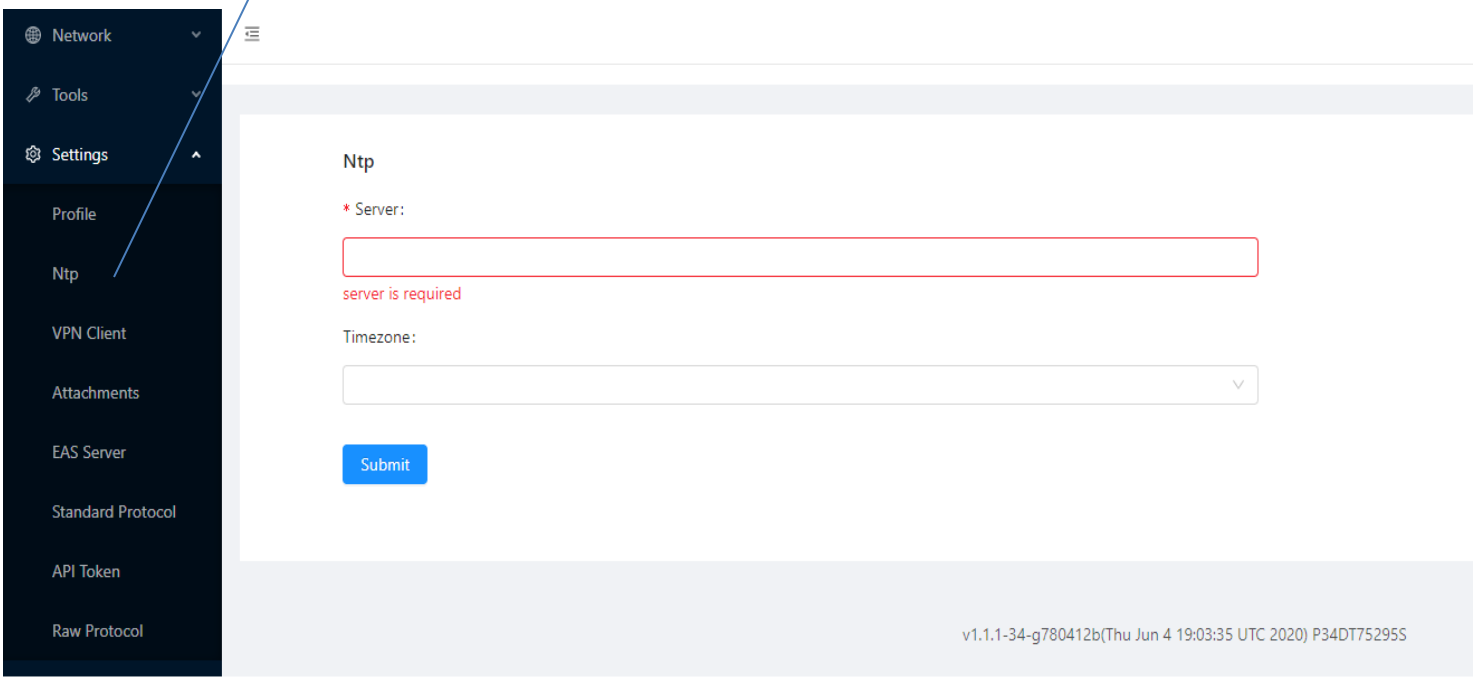
1. Click on Ethernet on the left vertical navigation bar.
2. Enter the sign's static IP Address, subnet mask, gateway, and DNS fields as required. Click Submit to save.



# 5. LED Sign Programming

## C. Sign NTP

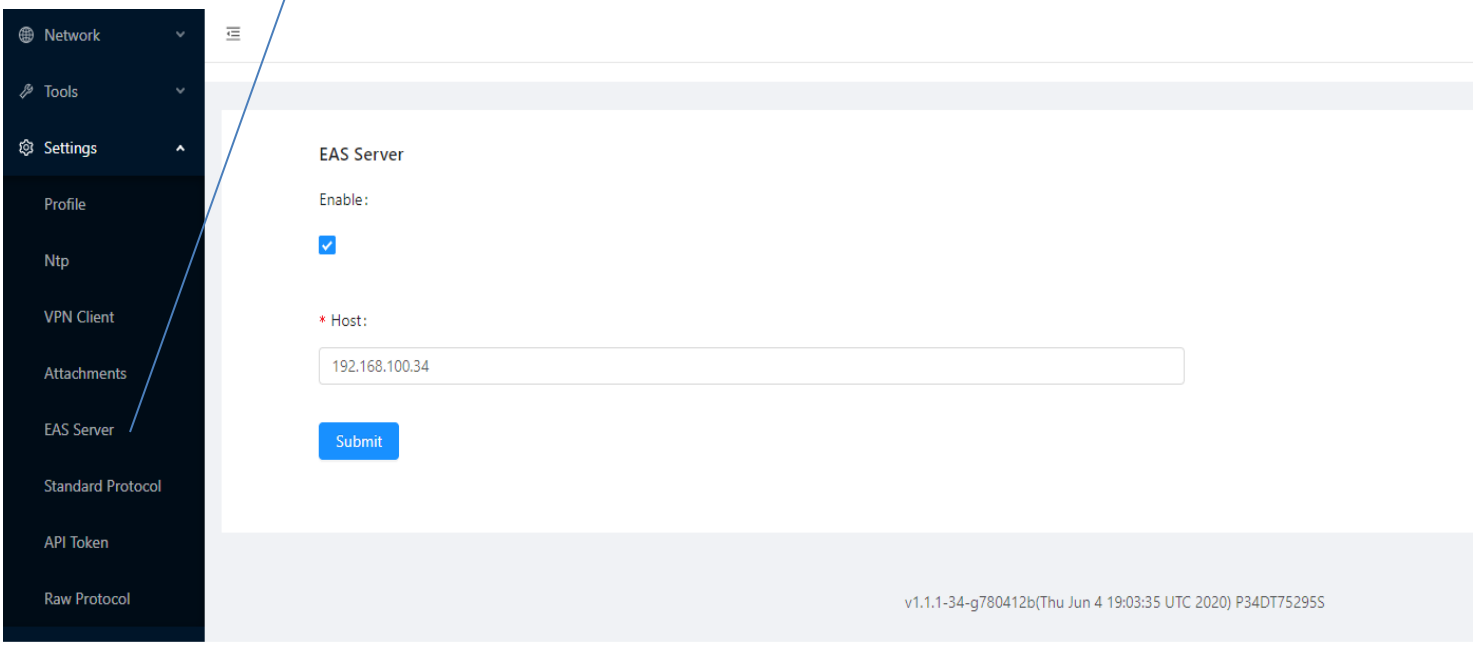
1. Click on Ntp on the left vertical navigation bar.
2. Enter the sign's NTP server address (ie: "1.pool.ntp.org").
3. Select the Timezone in the drop-down list. Click Submit to save.



# 5. LED Sign Programming

## D. Sign EAS Server

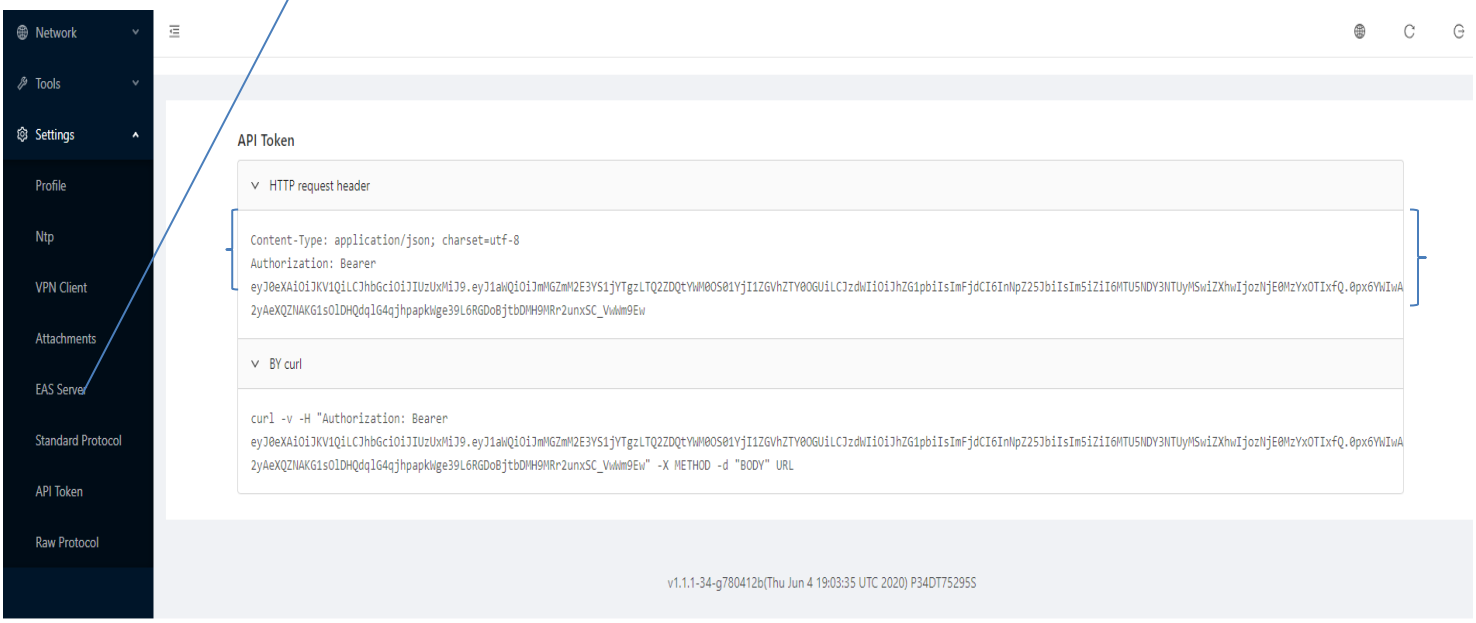
1. Click on EAS Server on the left vertical navigation bar.
2. Click checkbox for Enable.
3. Enter the IP Address of the controller this sign will be bound to. Click Submit to save.



# 5. LED Sign Programming

## E. Sign API Token

1. Click on API Token on the left vertical navigation bar.
2. Copy the Token inside the “HTTP request header” panel. The Token is the long string of variable characters that start after the line containing “Authorization: Bearer”.
3. Store the Token in a document for later reference for this individual sign.



# 6. Controller Programming

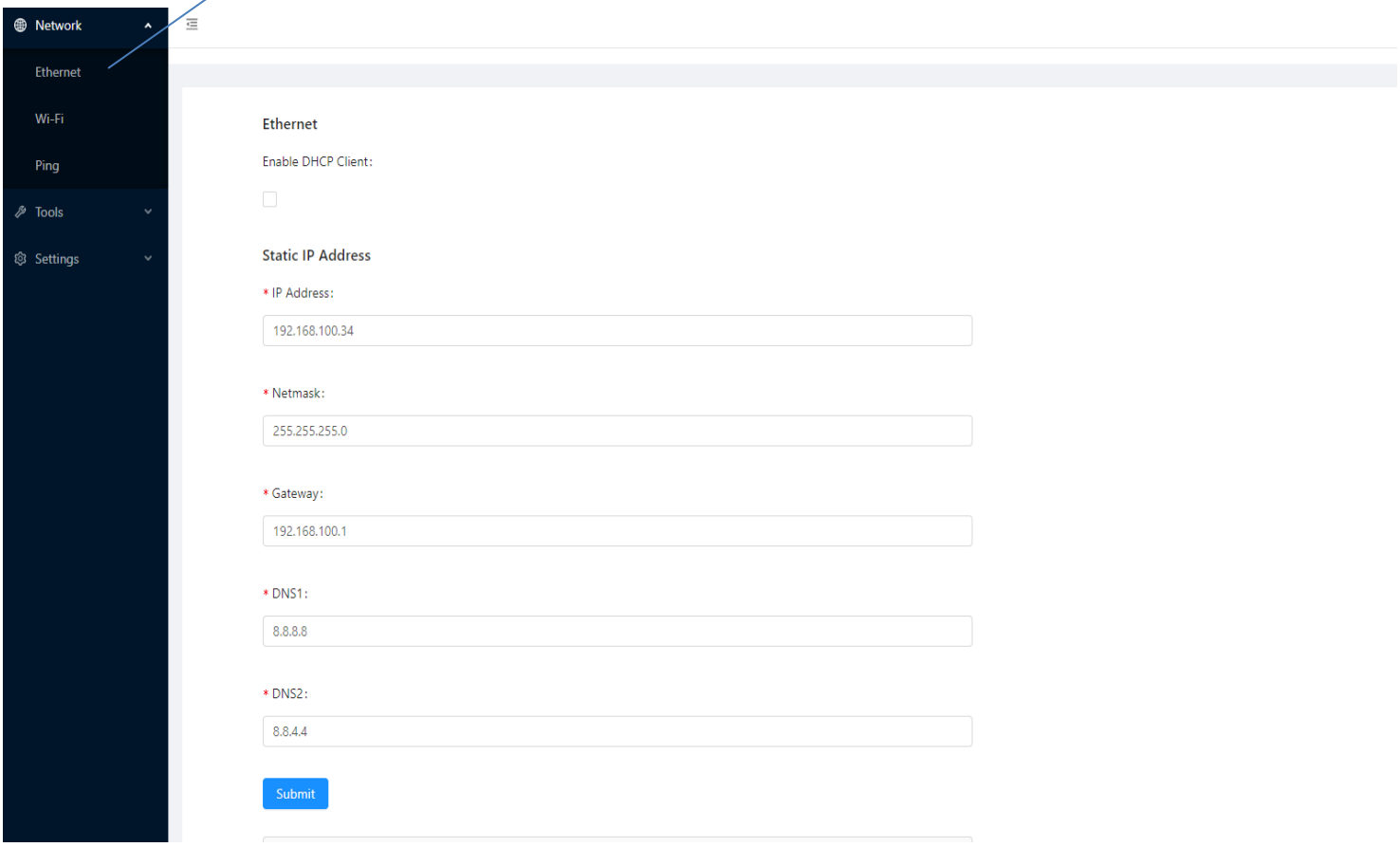
## F. Controller Login

1. Navigate in browser window to URL of controller, which is “http://” plus the IP Address of the controller plus “/my/” (ie: “http://192.168.100.1/my/” )
2. Default credentials are Username: admin , Password: admin , Click Submit when done.

# 6. Controller Programming

## G. Controller Network

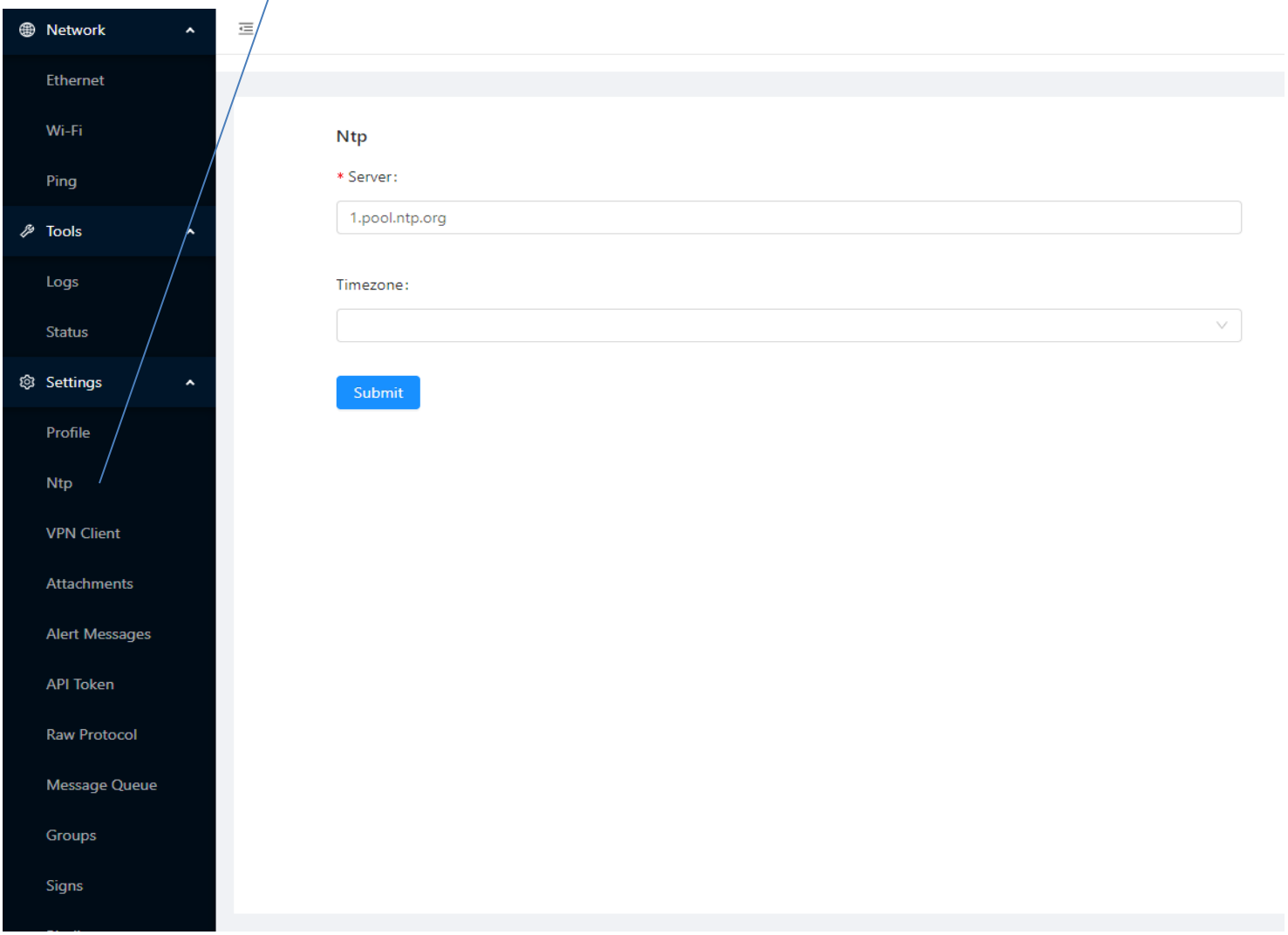
1. Click on Ethernet on the left vertical navigation bar.
2. Enter the controller's static IP Address, subnet mask, gateway, and DNS fields as required. Click Submit to save.



# 6. Controller Programming

## H. Controller NTP

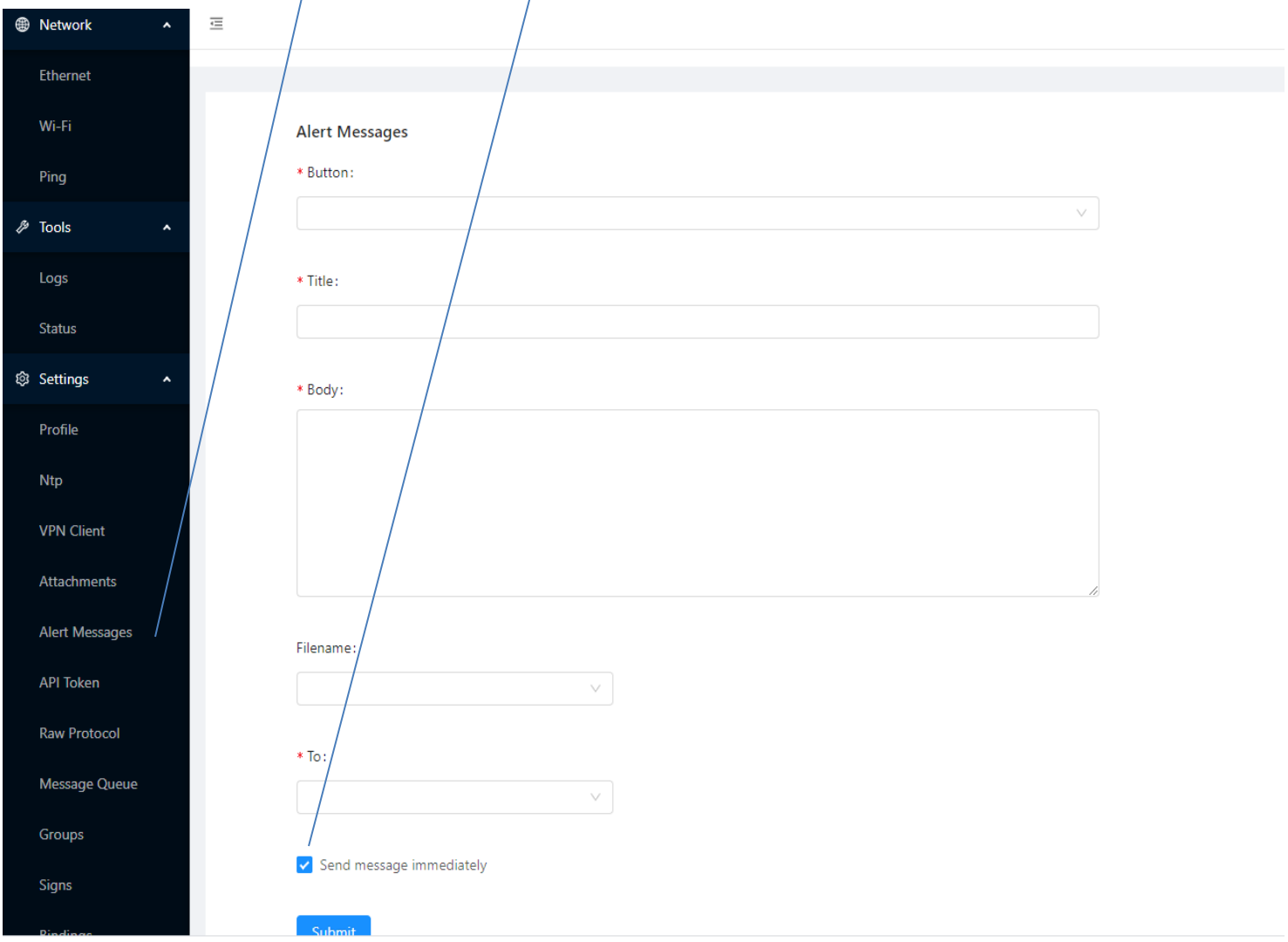
1. Click on Ntp on the left vertical navigation bar.
2. Enter the controller's NTP server address (ie: "1.pool.ntp.org").
3. Select the Timezone in the drop-down list. Click Submit to save.



# 6. Controller Programming

## I. Controller Alert Messages

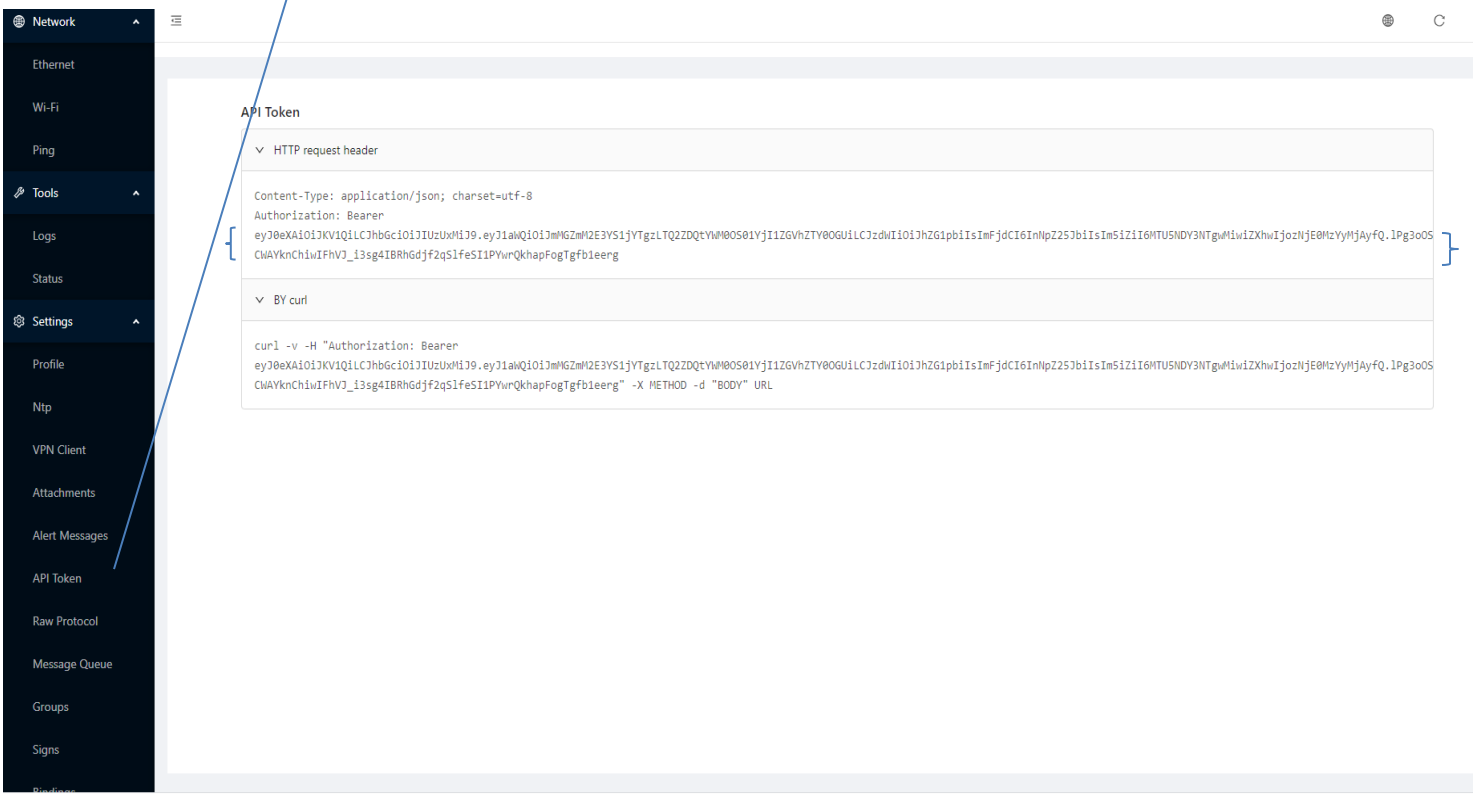
1. Click on Alert Messages on the left vertical navigation bar.
2. Select “Button 1” from Button drop-down list.
3. Uncheck the “Send messages immediately” Click Submit to save.
4. Repeat from step a for all remaining Buttons 2- 32 from Button drop-down list.



# 6. Controller Programming

## J. Controller API Token

1. Click on API Token on the left vertical navigation bar.
2. Copy the Token inside the “HTTP request header” panel. The Token is the long string of variable characters that start after the line containing “Authorization: Bearer”.
3. Store the Token in a document for later reference for this individual controller.



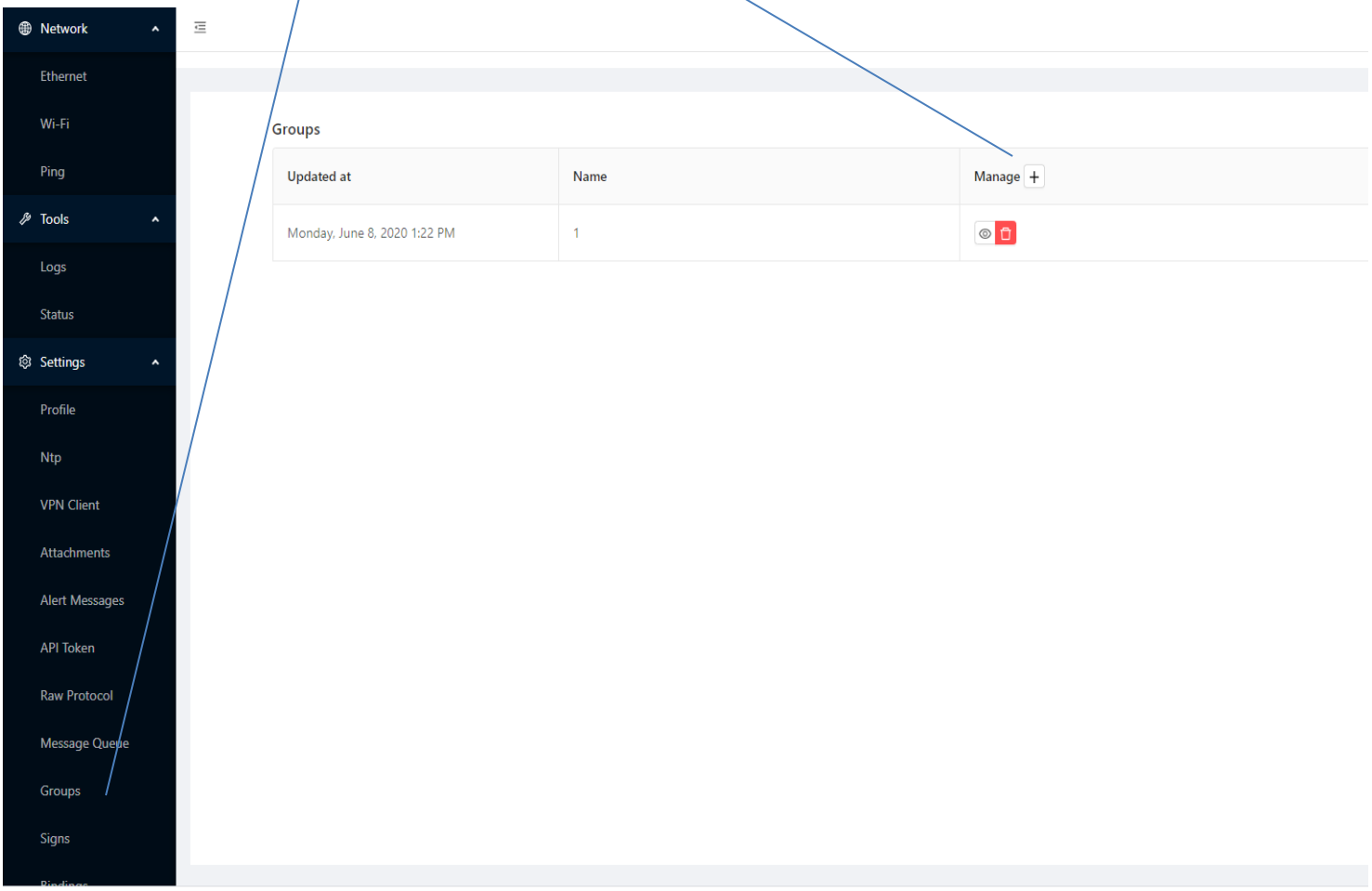
# 6. Controller Programming

## K. Controller Groups

a. Click on Groups on the left vertical navigation bar.

b. Here you can view, create, and delete sign Groups

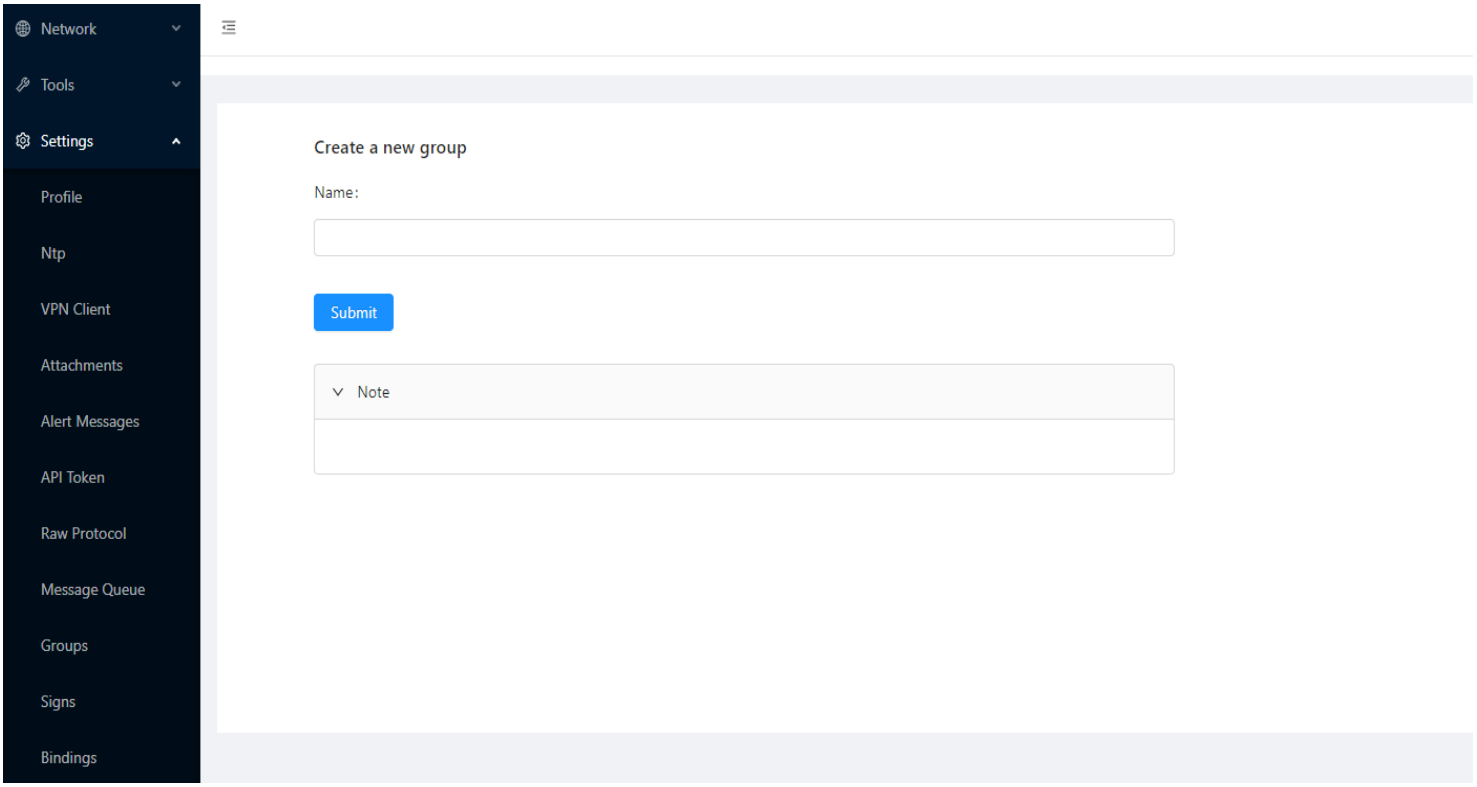
c. Give each Group a name unique on that controller, and which is an integer (i.e.: 1, 2, 3, etc.)



# 6. Controller Programming

## L. Controller Create Group

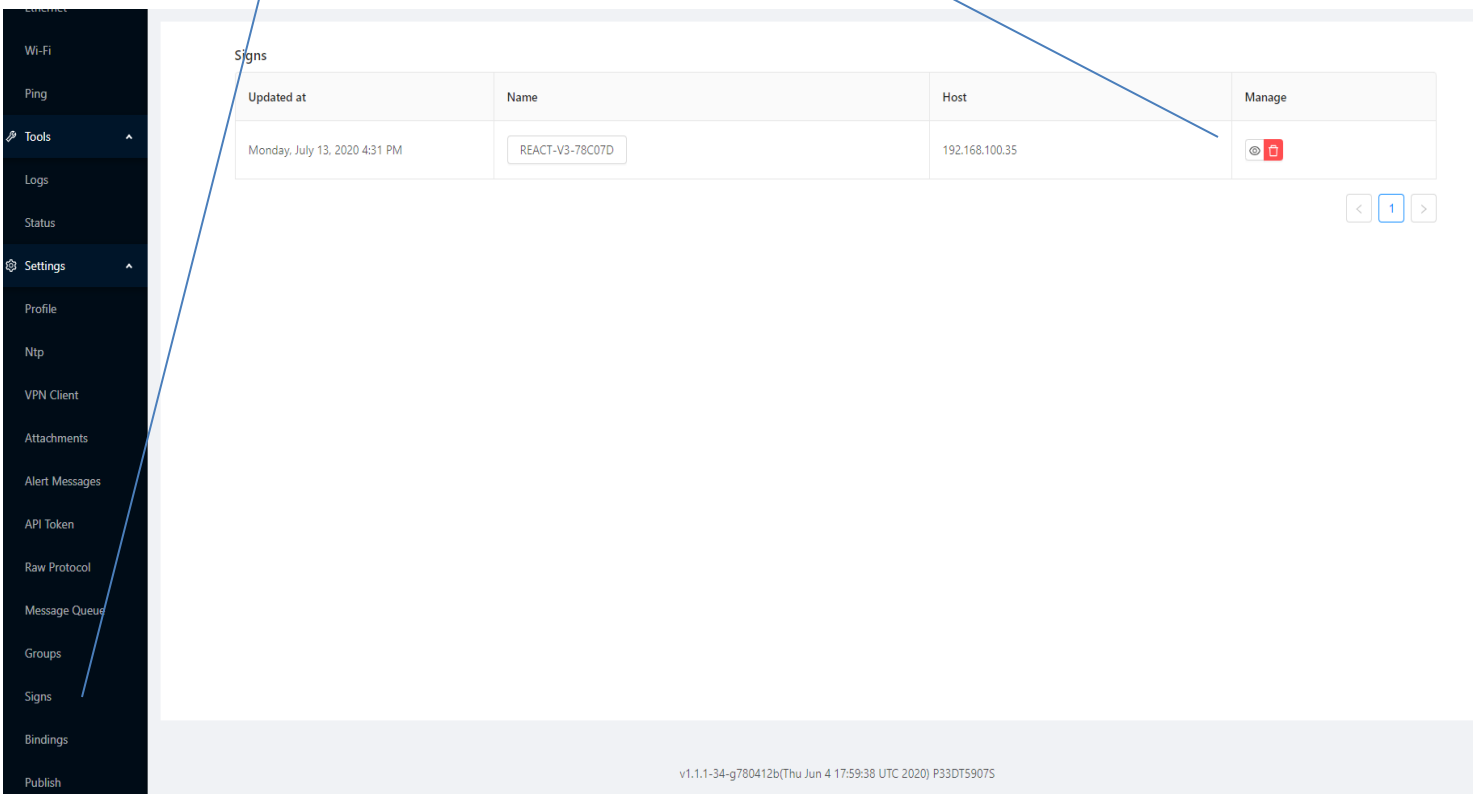
1. After clicking to create a new Group this screen is visible.
2. Give the Group a name unique on that controller, and which is an integer (i.e.: 1, 2, 3, etc.). Click “Submit” to save.



# 6. Controller Programming

## M. Controller Signs

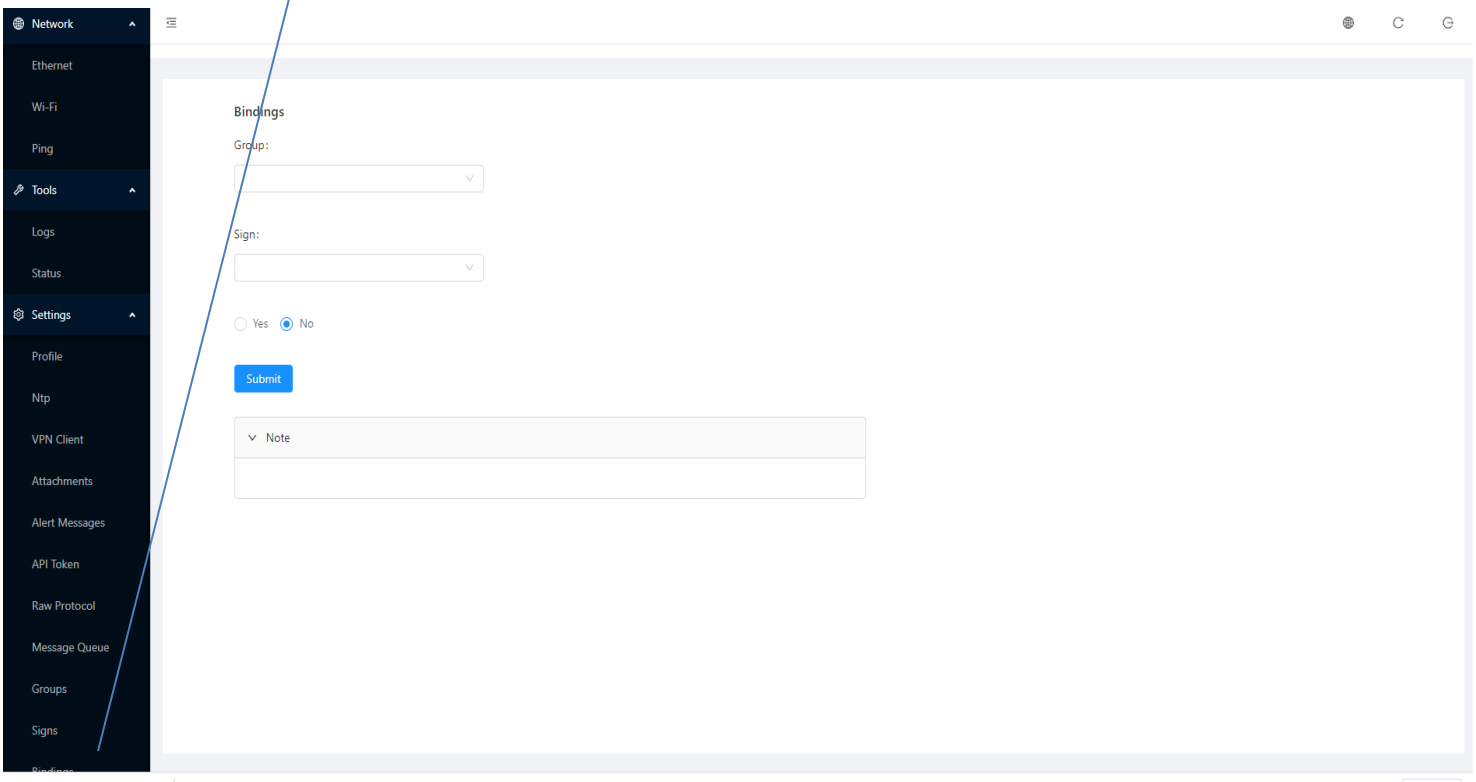
1. Click on Signs on the left vertical navigation bar.
2. Here you can view, and delete signs bound to this controller
3. Clicking the “eye” for a sign will display which Group on this controller that sign has already been assigned.
4. Each sign will have the sign’s Name display here on each row (i.e.: “REACT-V3-78C07D”).
5. Store the sign Name in a document for later reference for each sign, with each respective previously stored sign Token.



# 6. Controller Programming

## N. Controller Bindings

1. Click on Bindings on the left vertical navigation bar.
2. Here you bind this controller's associated Signs to this controller's created Groups.
3. Select a group from the Group drop-down list.
4. Select a sign from the Sign drop-down list.
5. Select the "Yes" radio button. Click "Submit" to save.



# CAPSOLControl

CAPSOLControl is a powerful and flexible system.

As a stand-alone system, CAPSOLControl can integrate with multiple dry contact type inputs such as panic buttons or fire alarm activation.

As a complete integrated platform, CAPSOLControl provides unparalleled flexibility. Integrating to other third-party systems is possible and further expands CAPSOLControl's capabilities.

For API Integration, contact CAPSOL for features or development costs that may apply.

For assistance, please give us a call.

CAPSOL

1-913-203-1110


CAPSOL is a See Something – Say Something Partner

CAPSOL