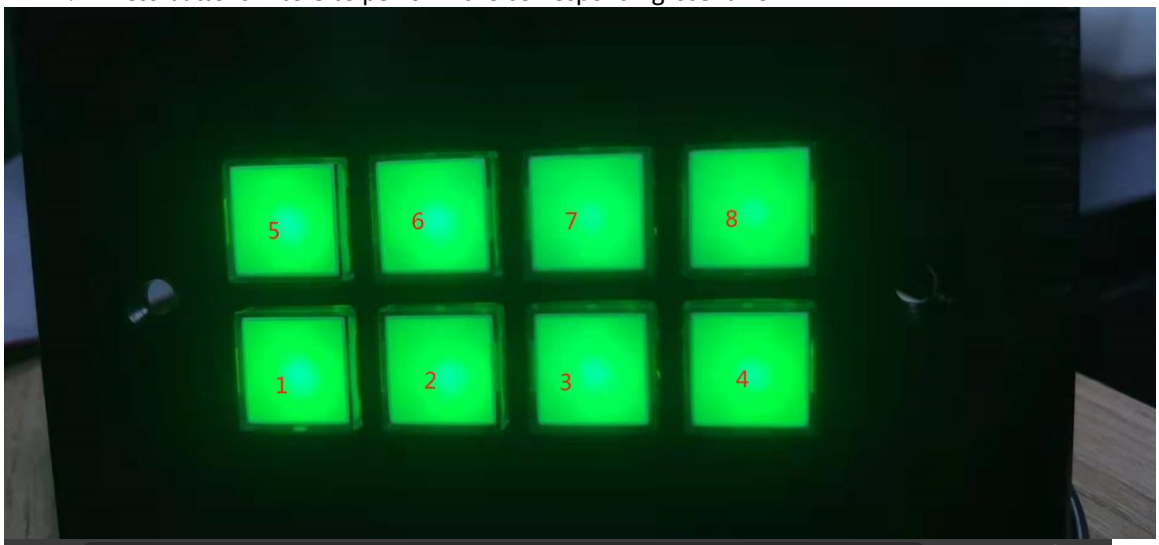
Mvp-8bc User manual

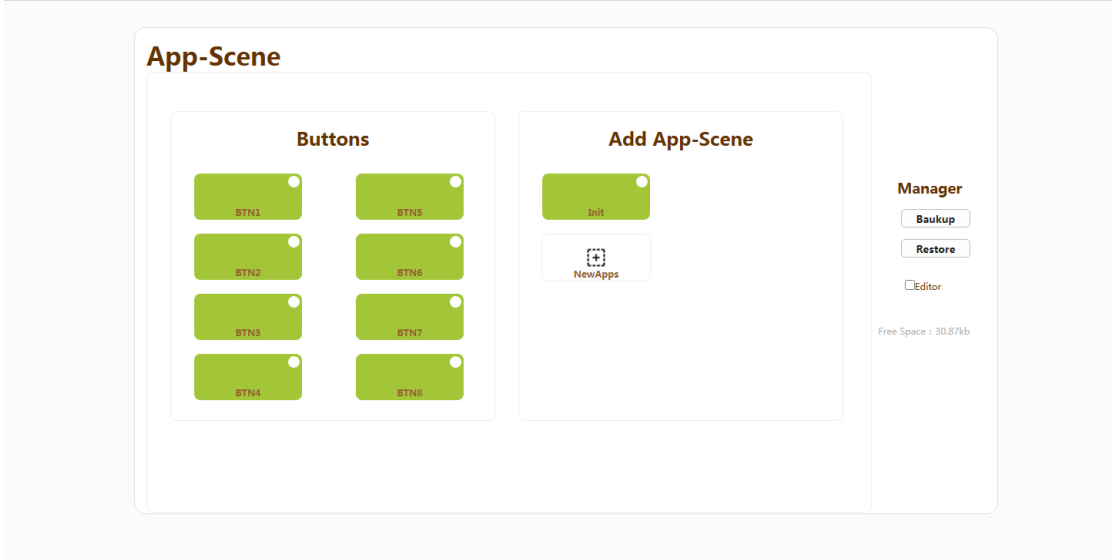
1. Panel Keys

1.1 Buttons on the Panel

The eight buttons on the panel correspond to eight application scenarios on the WEB page. Multiple commands can be preset for a scenario. When the command is executed, each command is automatically executed in sequence. You can edit the scene name and preset command on the WEB background. For details, see the WEB UI introduction.

1） Press buttons 1 to 8 to perform the corresponding scenario.

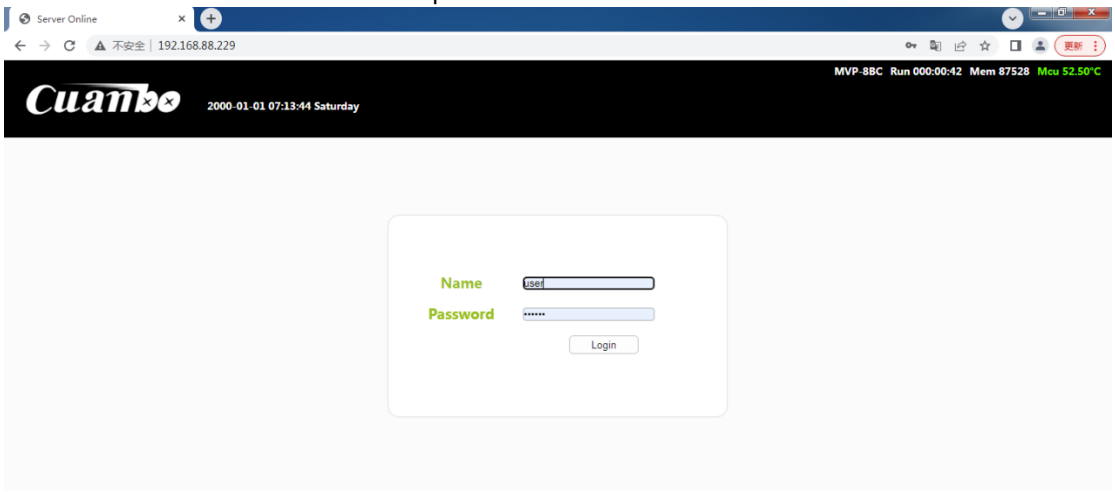




2. This section describes the WEB background management

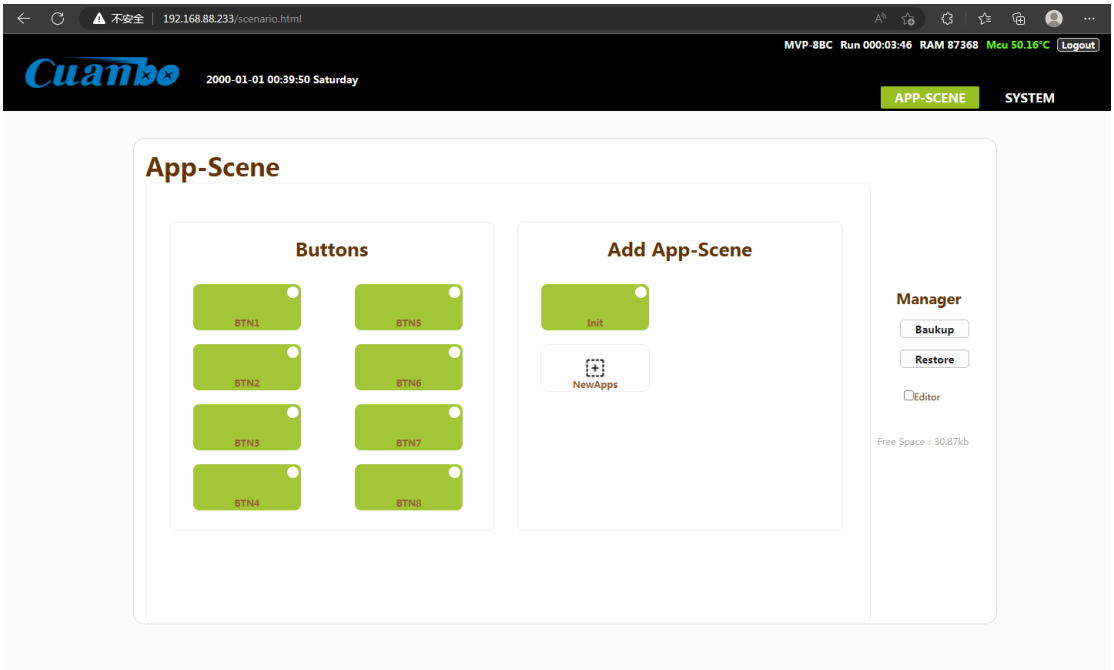
2.1 Login Page

First, ensure that the test computer and the device are in the same network segment, and the IP address of the browser input panel can access the background management page. The default IP address is 192.168.88.229. Access successful You need to log in to the system for the first time. The default username is user and the password is 123456



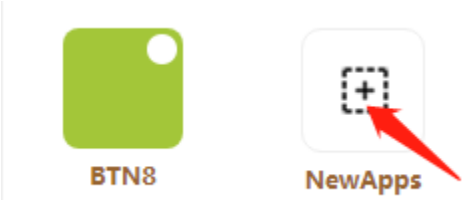
2.2 Scenario Page

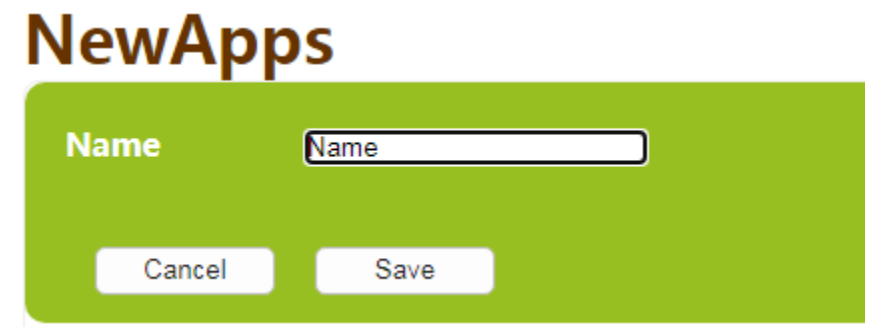
The scenario page is displayed after successful login. By default, eight scenarios are displayed. Click to execute or stop. Application Scenario Each scenario contains multiple commands. When executing a scenario, the system automatically executes each command based on the configured command sequence and time. Scenario commands need to be configured based on the actual environment. For details about the system and control commands supported by the device, see the command table.



2.2.1 Creating a Scenario

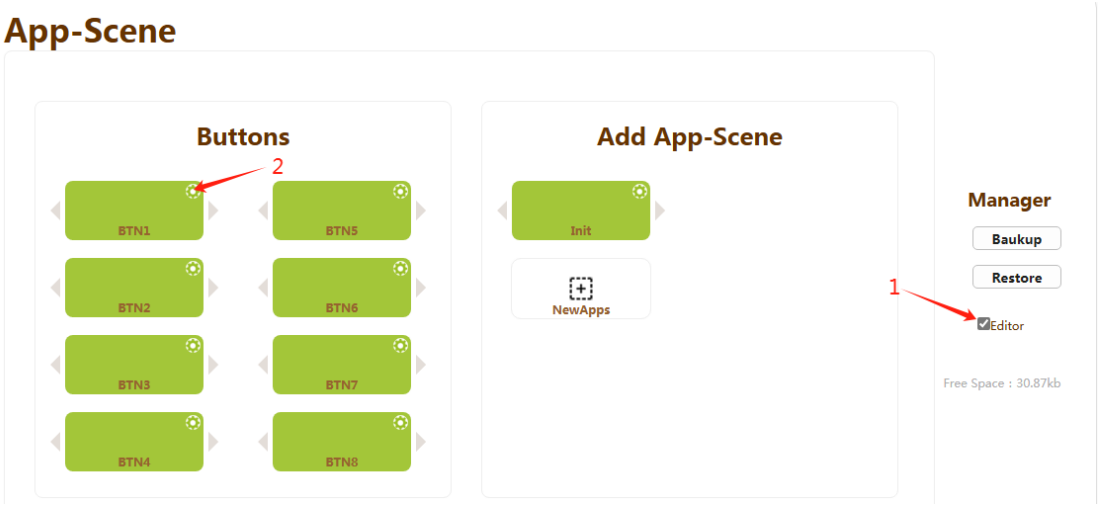
Click the "NewApps" icon -> Name -> Save. It can be added successfully, and the next scene editing operation can be carried out.





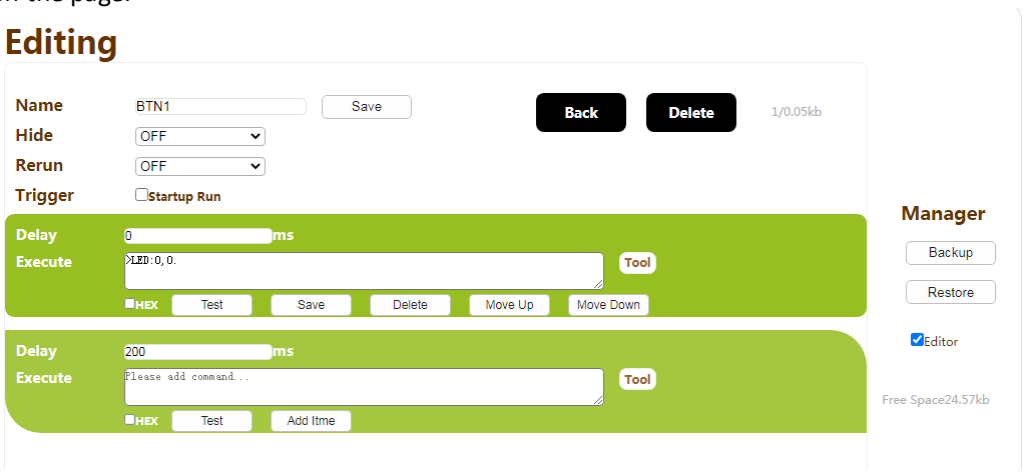
2.2.2 Enter Scene Editing

Saving a newly created scene will automatically enter scene editing in the next step. If you want to edit an existing scene, click "Edit Application" on the right first -> Scene icon setting icon -> enter editing;



2.2.3 Editing a Scene

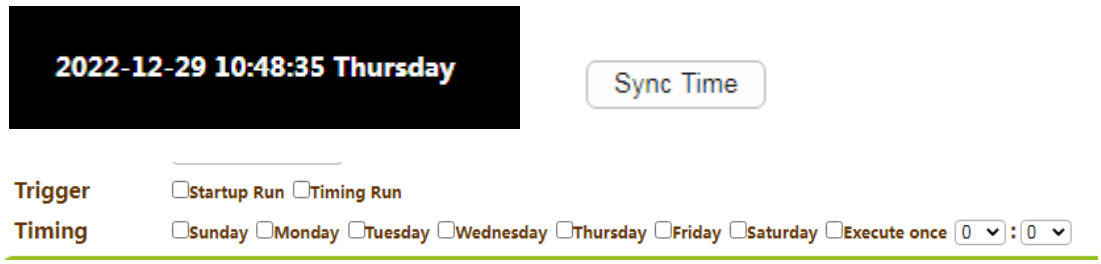
You can set scene commands, trigger conditions, timers, execution sequence and other functions on the page.



2.2.4 Scenario Function Settings

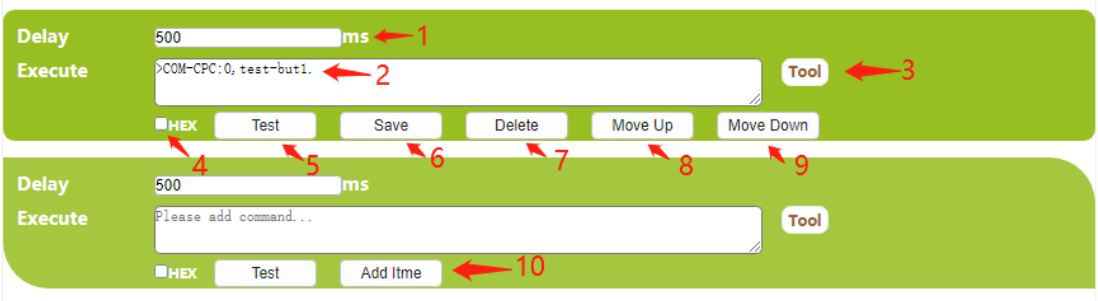
1) Set the name and click "Save" to Save the name;
2) Click "Back" to return to the scene page;
3) Click "Delete" to Delete the scene;
4) The current scene takes up space;
5) If the setting is to hide the scene, it will not be displayed on the interface after hiding and can be executed by command invocation;
6) Set whether to run repeatedly. After setting, the startup will run repeatedly and will not stop manually.
7) Set trigger mode and set startup operation;

New timing trigger mode (The time can be calibrated by clicking the Sync button on the system setting page, because the device has no battery and can only be used under constant power supply, the power off time will be reset)



2.2.5 Editing commands in a Scenario

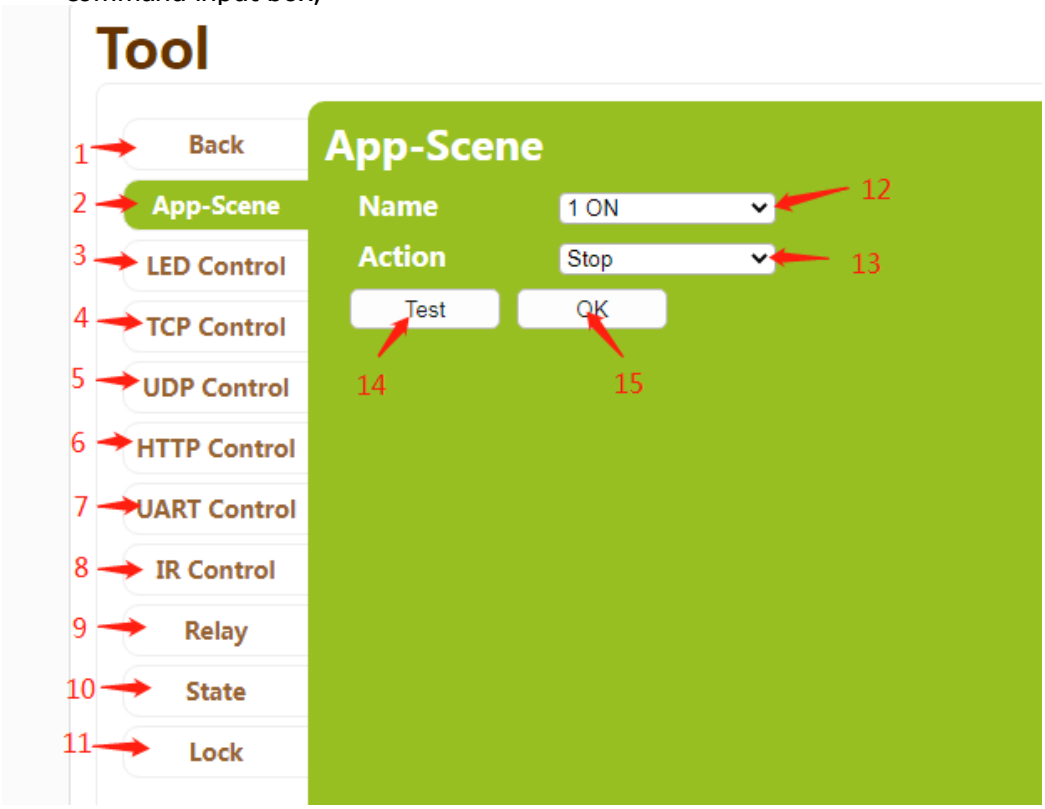
1) Set the delay time before executing an item command, in milliseconds.
2) In the command input box, all system commands are supported. For details, see the COMMAND table "MVP-8BC".
3) Click "Tool" to enter the command generation Tool (command generation Tool).
4) If HEX is selected, the command is displayed in hexadecimal format.
5) Click "Test" to Test the command;
6) Click "Save" to Save delay and command Settings;
7) Click "Delete" to Delete the current item.
8) Click "Move Up" to Move Up to change the execution sequence;
9) Click "Move Down" to Move Down to change the execution sequence;
10) Click "Add Item" to Add the command line Item;



2.2.6 Scenario Command Generation Tool

1) Click "Back" to return to the command editing interface;

2) Click "App Scenes" to generate a start/stop scene command;
3) Generate LED control commands;
4) Generate TCP control commands;
5) Generate UDP control commands;
6) Generate HTTP control commands;
7) Generate UART control commands;
8) Generate IR infrared control command, you can learn IR infrared code on this page;
9) Generate relay control commands;
10) Generates a status control command for a two-command mode key;
11) Generate keylock commands ;
12) Select the scene where you want to generate the command;
13) Select whether to start or stop the scene;
14) Click "Test" to test the command;
15) Click "OK" to ensure that the command is generated and can be viewed in the command input box;



2.2.6.1 Scenario Command Generation Tool （TCP Control）

1)Controlled device IP (target IP);

2)Controlled device port number (target port number);

3)Feedback button (when the feedback option selects "ON" and does not receive the correct feedback from the controlled device after sending a message, the button set will turn red);

4)Select whether to enable the feedback function.

5)When a message is received from a controlled device, the message is displayed

here;

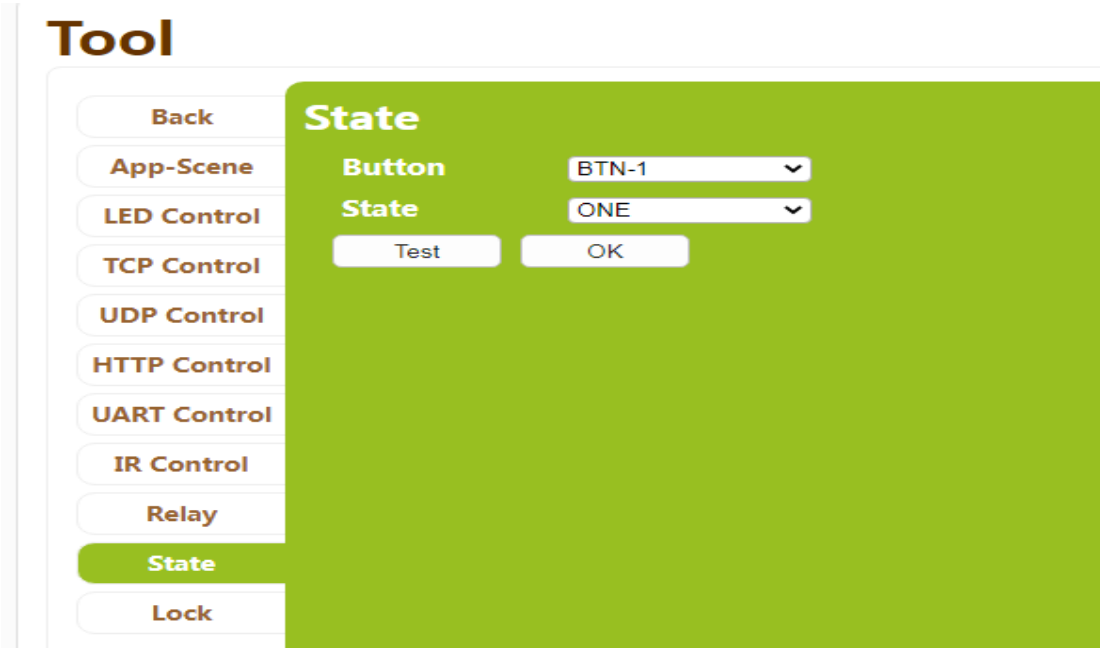
6)Set the specified Feedback message (required only when the feedback option is "ON");

7)Add instructions that need to be sent to the destination IP address;

8)Choose whether to use hexadecimal format.

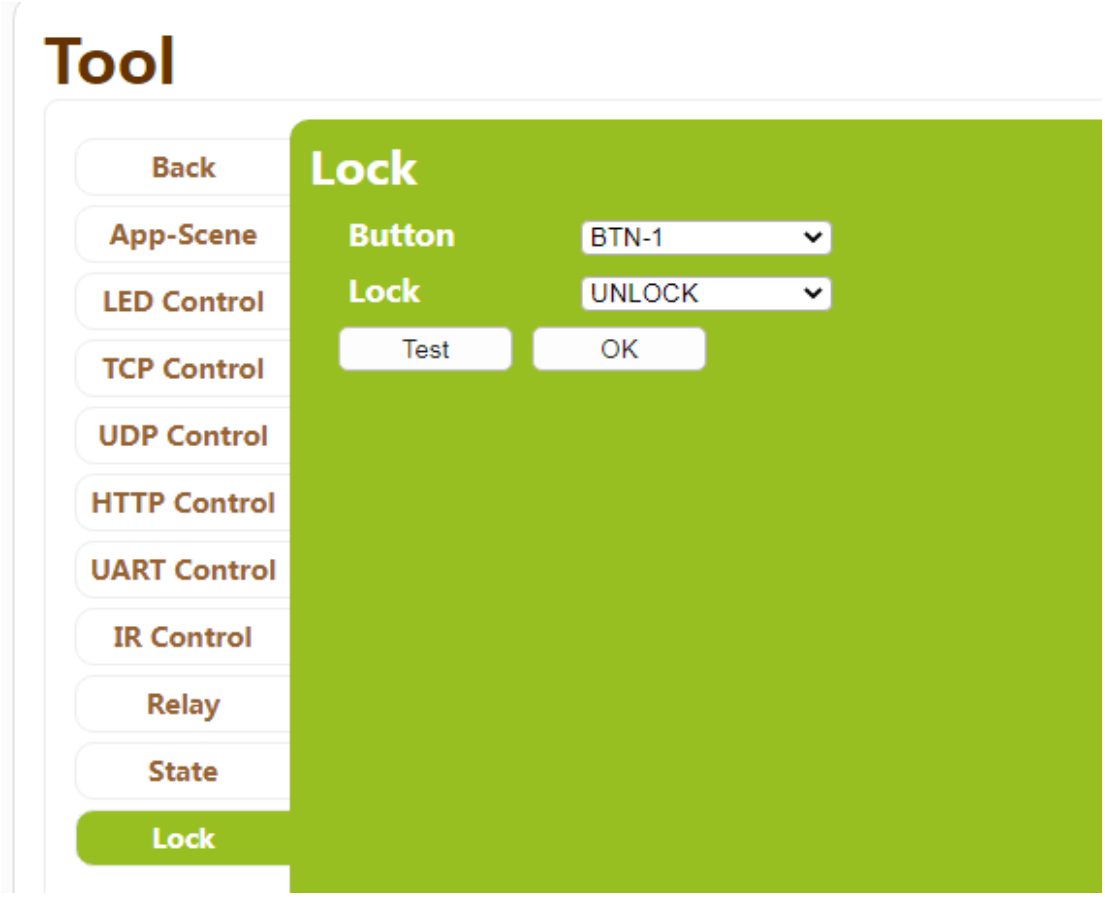
2.2.6.2 Scenario Command Generation Tool （State）

This is an instruction for the dual-command key (only works in dual-command mode). Use this command to change the state of the dual-command key at will.

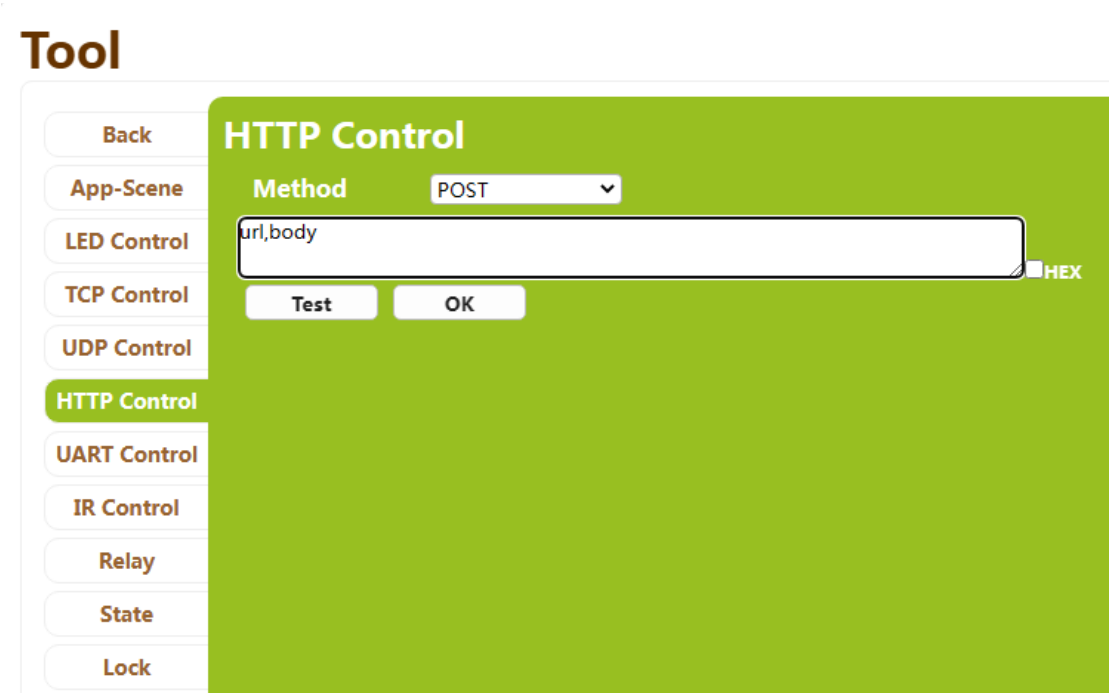


2.2.6.3 Scenario Command Generation Tool （Lock）

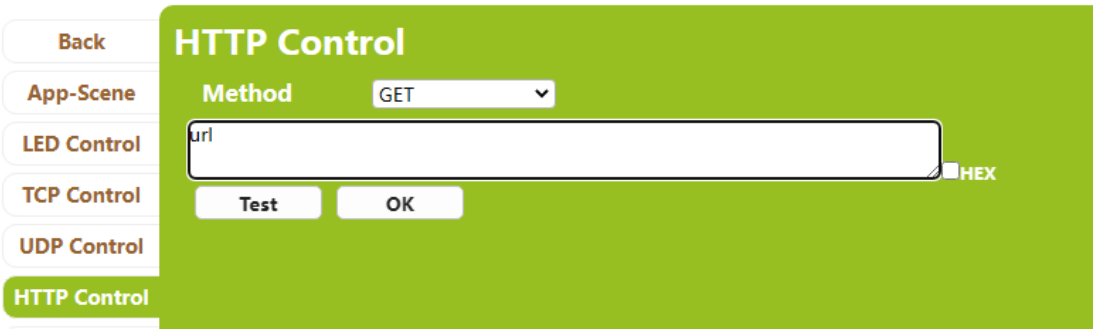
Key lock command, you can set key lock or unlock



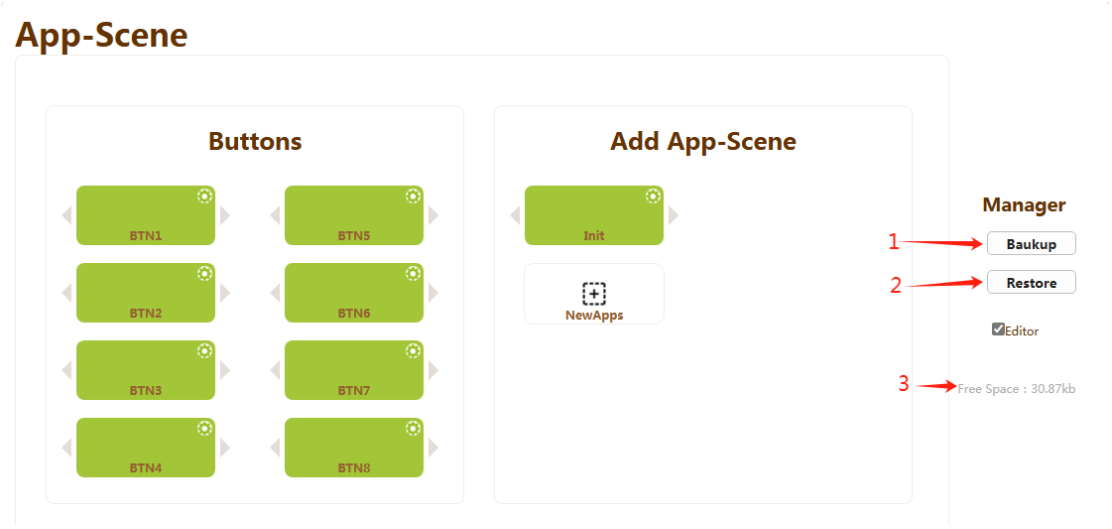
2.2.6.4 Scenario Command Generation Tool （HTTP Control）



(If the POST method request does not have a body parameter, just fill in the url)



2.2.7 Scenario Backup and Restoration



1） Click Backup to Backup scenario data to the local PC.

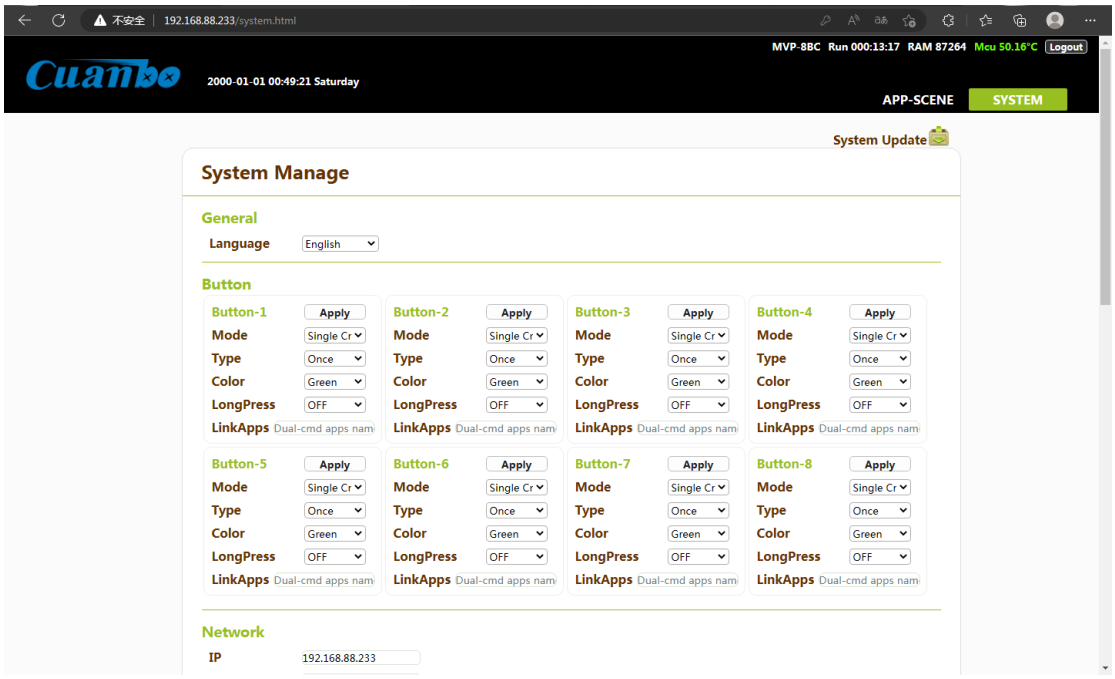
2） Click Restore and select the backup. Bin file to Restore the data in the file. After the file is

restored, the device automatically restarts.

3） Scenario Remaining storage space.

2.3 System Management

System management mainly includes system upgrade, general Settings, button Settings, network configuration, serial communication, infrared Settings, relay switch, administrator user modification, user data, about the host and other related functions. Users can configure them according to actual requirements. System update is described in the following section.


不安全 | 192.168.88.233/system.html
Cuambo
2000-01-01 00:49:21 Saturday
MVP-8BC Run 000:13:17 RAM 87264 Mcu 50.16°C Logout
APP-SCENE
SYSTEM
System Update
System Manage
General
Language English
Button
Button-1 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Button-2 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Button-3 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Button-4 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Button-5 Apply
Mode Single Cr
Type Once
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LongPress OFF
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Button-6 Apply
Mode Single Cr
Type Once
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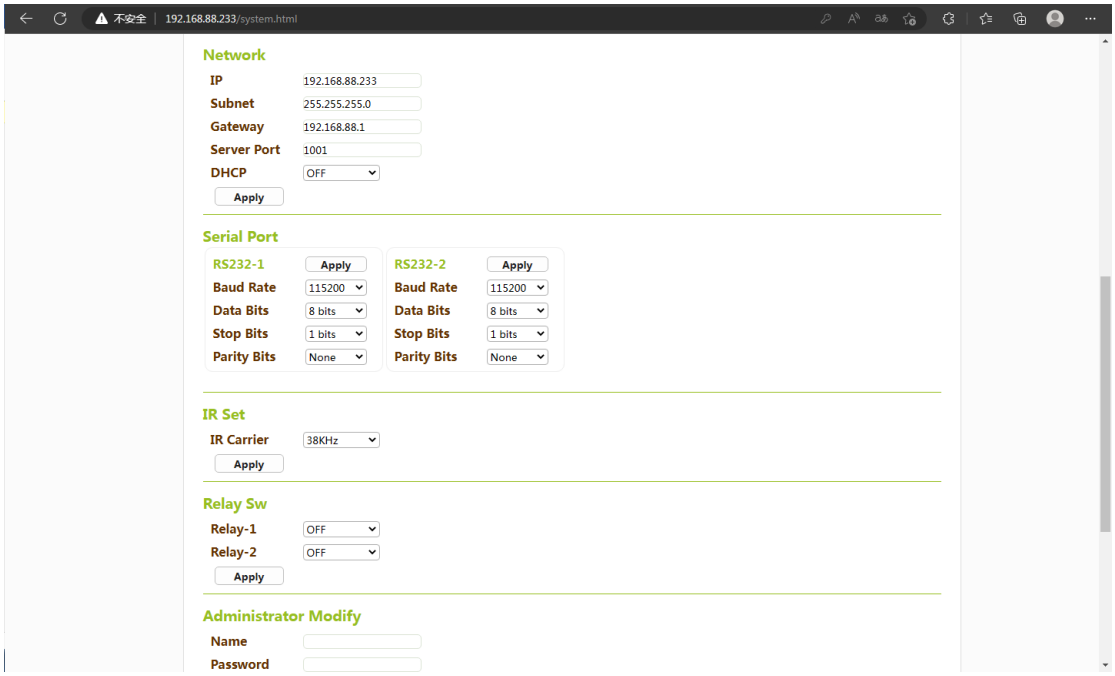
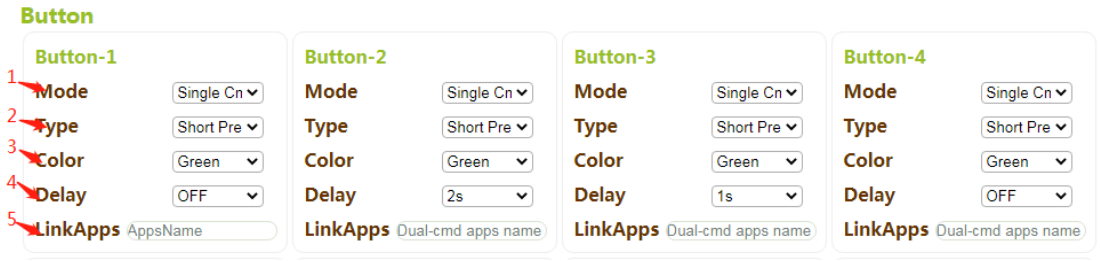
Button-7 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Button-8 Apply
Mode Single Cr
Type Once
Color Green
LongPress OFF
LinkApps Dual-cmd apps nam
Network
IP 192.168.88.233


不安全 | 192.168.88.233/system.html
Network
IP 192.168.88.233
Subnet 255.255.255.0
Gateway 192.168.88.1
Server Port 1001
DHCP OFF
Apply
Serial Port
RS232-1 Apply
Baud Rate 115200
Data Bits 8 bits
Stop Bits 1 bits
Parity Bits None
RS232-2 Apply
Baud Rate 115200
Data Bits 8 bits
Stop Bits 1 bits
Parity Bits None
IR Set
IR Carrier 38KHz
Apply
Relay Sw
Relay-1 OFF
Relay-2 OFF
Apply
Administrator Modify
Name
Password


Administrator Modify
Name
Password
NewName
NewPassword
Apply
User Data
Data Backup 选择文件 未选择文件 Restore Backup Reboot Reset Sync Time
About Host
Host MVP-8BC
Hardware v3.0.0.220909
Software v1.1.4.240807
BuildTime Aug 7 2024

2.3.1 Button Settings



1） Button mode Select single command mode or double command mode:

a) In single-instruction mode: press the button every time to execute the scene corresponding to the scene page (press button 1 to execute the first one, and press button 8 to execute the eighth one);

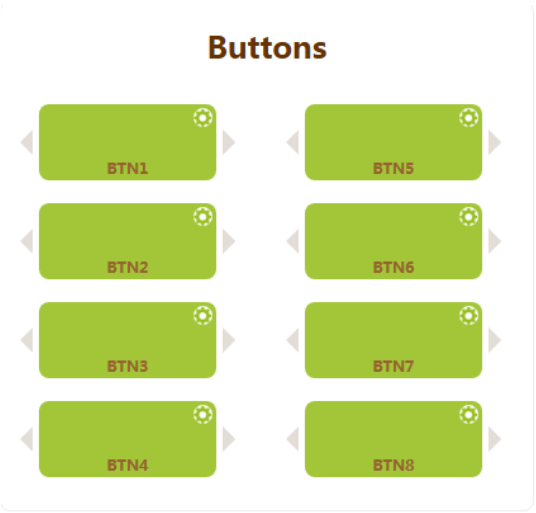
b) Dual-command mode: Press the button for the first time to execute the corresponding scenario on the scene page, and press the button for the second time to execute the application scenario entered in LinkApps.

2） Key type setting, you can set the key to long press or short press.

3） Button light color Settings, you can switch red, green, or turn off the light.

4） Button delay setting, you can set the response time of the button.

5） In dual-command mode, press the name of the application scenario to which the button is linked twice.



3. The firmware update

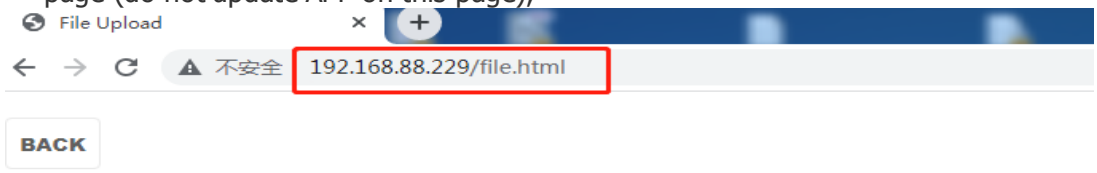
Firmware update is divided into BOOT program update and APP program update;

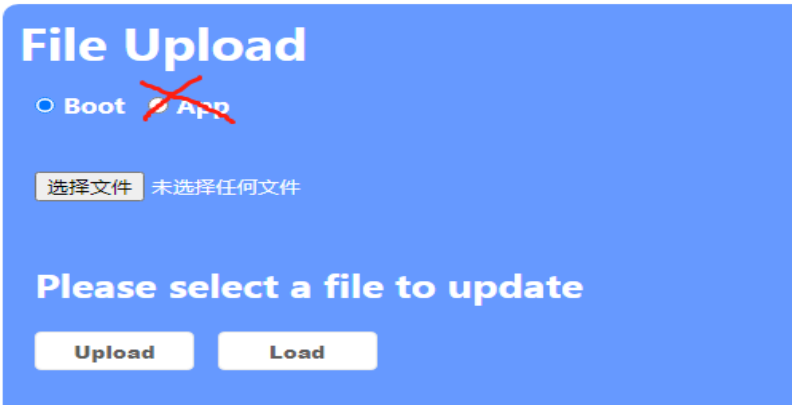
1） The BOOT program is the BOOT loader. In order to facilitate the creation of the updated APP program in the later period.

2） The APP program is a normal running application and can be updated directly on the WEB interface.

3.1 BOOT program update （Do not change the BOOT without permission, which will cause the device to fail to start）

1） Connect the network cable and start the device, and enter the device BOOT update page (do not update APP on this page);





2） Click Load when the update is complete

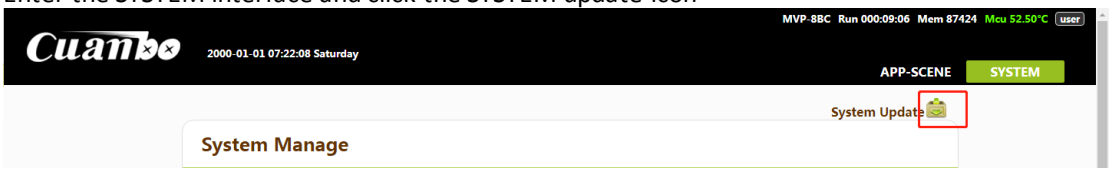
3）At this time, you can directly enter the WEB interface to upgrade the APP. The default IP address is 192.168.88.229. The upgrade method is as follows

3.1 APP Update

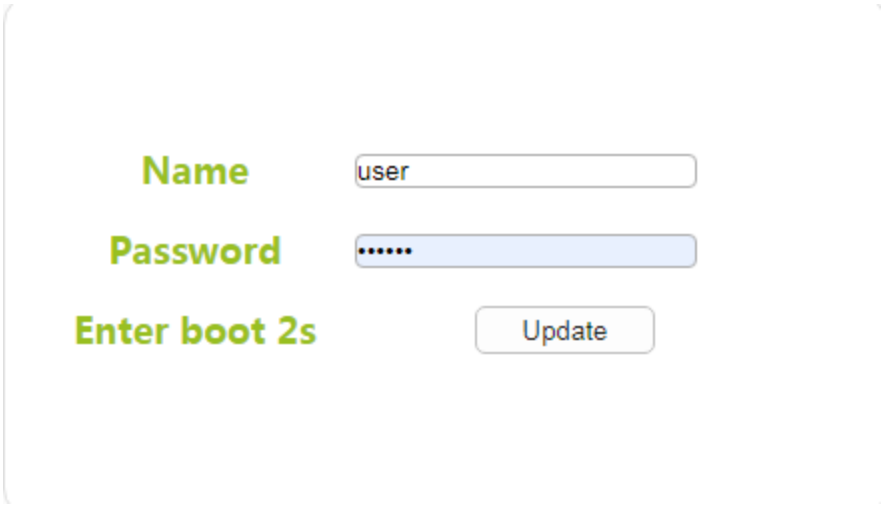
The WEB update browser must support HTML5 or higher or speed mode to upgrade. Internet Explorer 8 or later is not supported. You are advised to use Google Chrome.

1） Connect a network cable to the device. Ensure that the PC and the device are on the same network segment. The default IP address of the device is 192.168.88.229

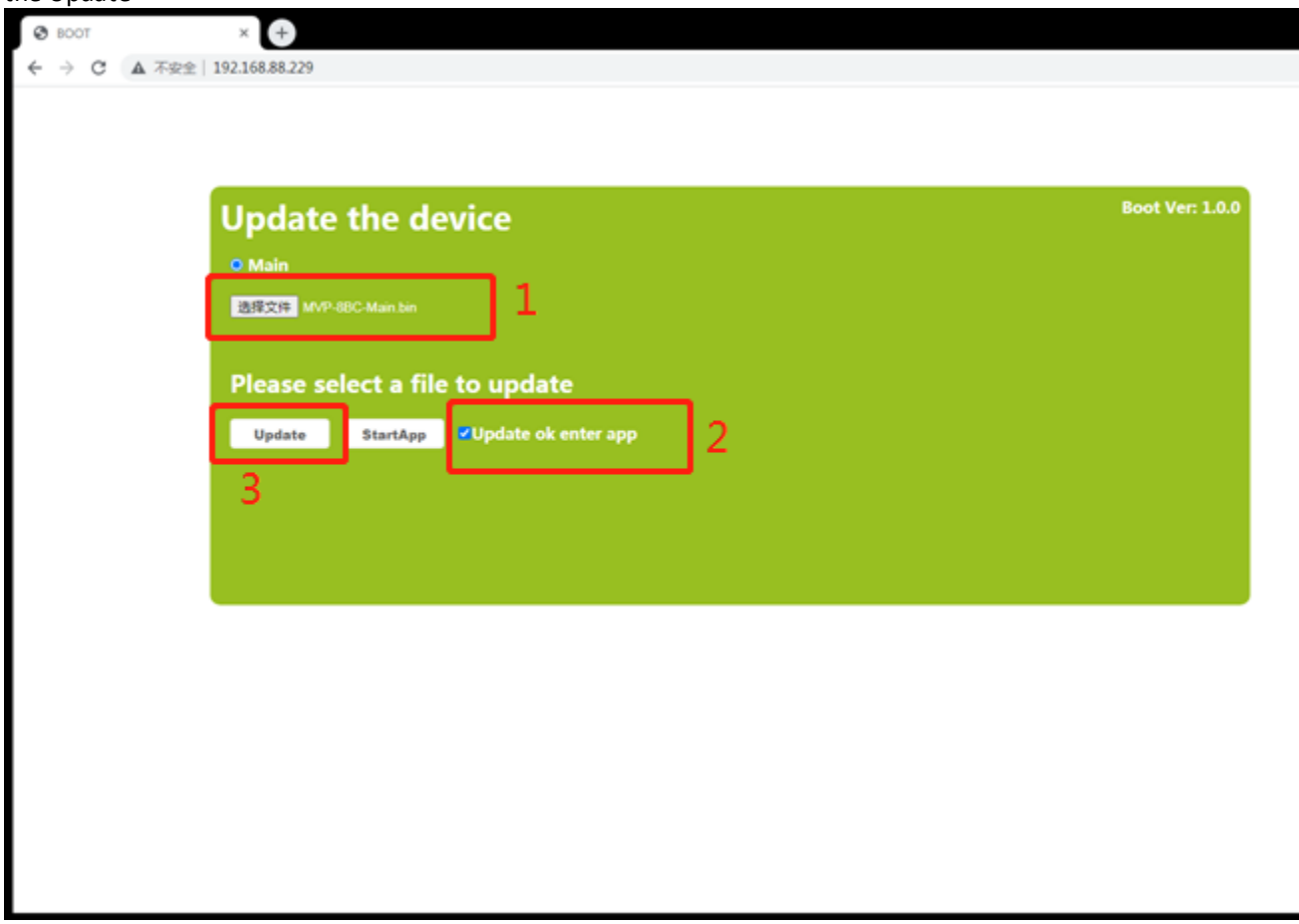
2） Enter the SYSTEM interface and click the SYSTEM update icon



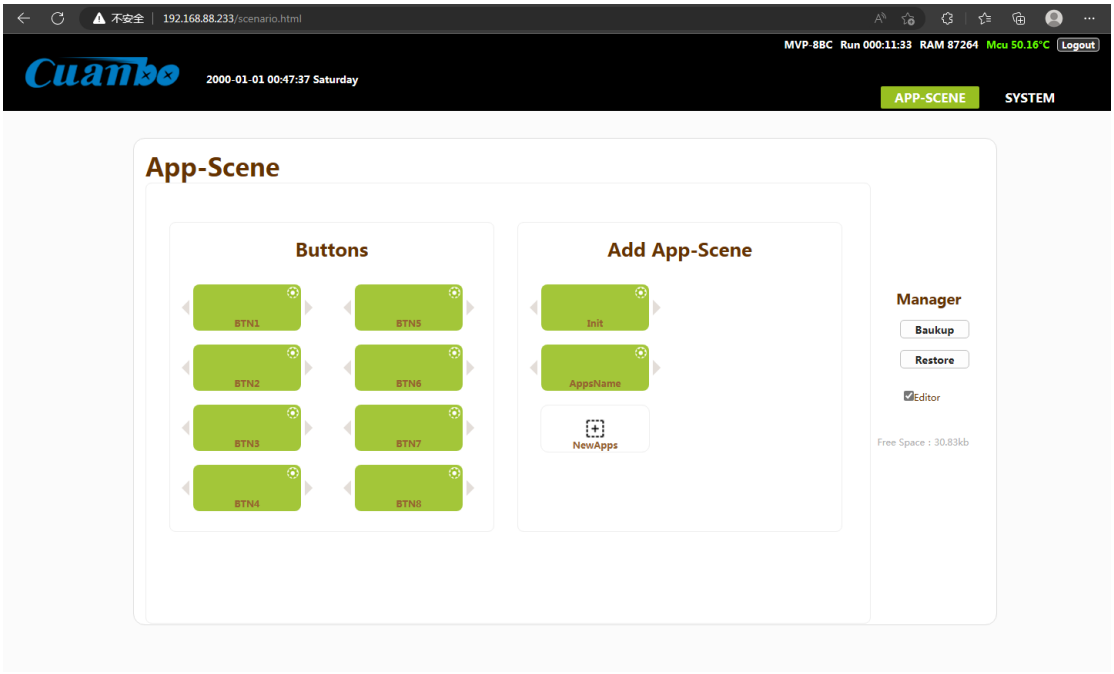
3） Enter the user name and password and click Update. After 10 seconds, the system automatically enters the BOOT mode



4） Enter the BOOT interface, select APP firmware MVP-8BC-main. bin, check Update OK Enter APP (the APP will automatically enter after the Update is complete), and click Update to start the Update



5） Automatically enter the APP after completion



4. Forcing functions

4.1 Forcibly Entering the BOOT

1） Hold down key 4 and key 8 at the same time, wait for 3 seconds when the green light turns on, release the key, and the device enters BOOT mode

2） When the device is powered on, press button 4 and wait until the green light blinks. Then release the button to enter the BOOT mode.

3） To enter the WEB interface in BOOT mode, click StartApp to jump back to the APP program

4.2 Forced to reset

Hold down button 4 and button 8 at the same time, wait for 6 seconds when the red light turns on, release the button, and the device will reset.

Software：v1.1.4.240807
Hardware：v3.0.0.220909
Revision Date ： 2024-08-07