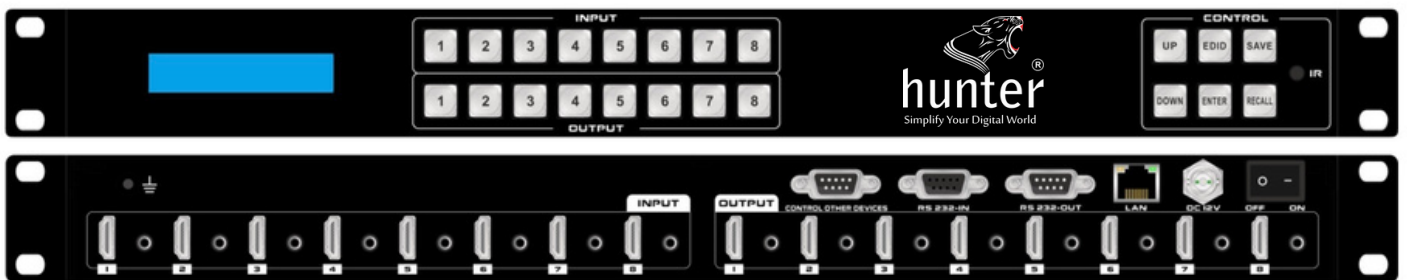


# 9304-HUV-M88A84K - Hunter HDMI 2.0 4K Matrix 8x8 With Audio

## User Manual



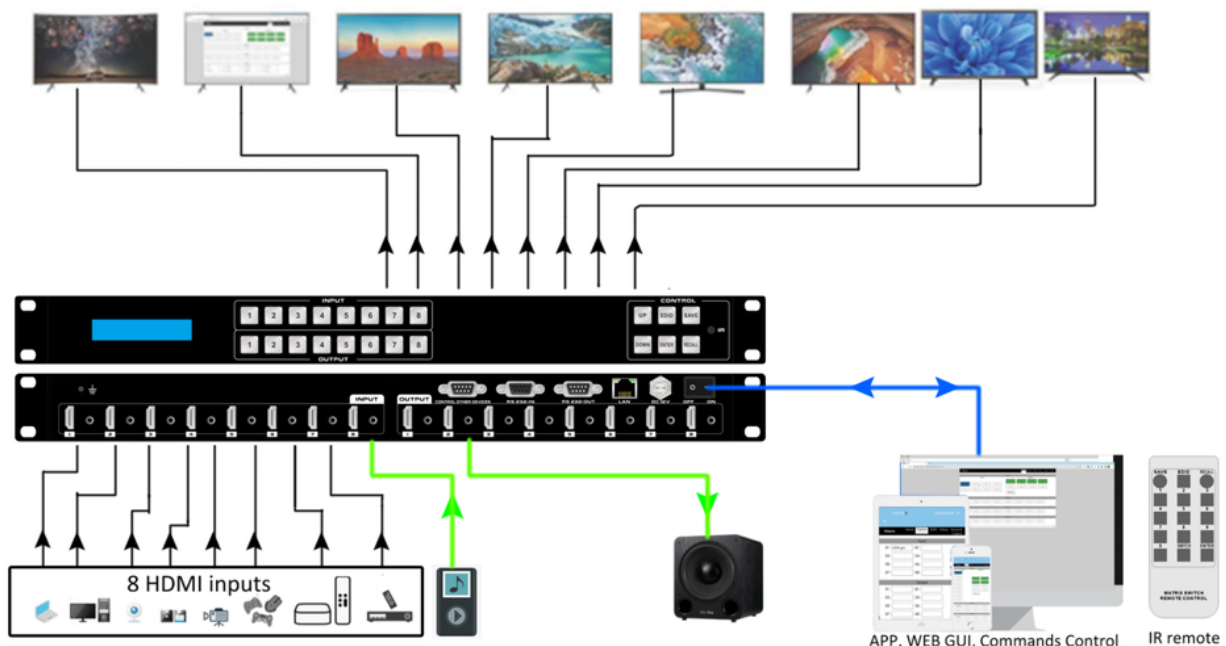
## Product Introduction

Hunter HDMI matrix switcher supports 4K@60 with 8 HDMI 2.0 inputs and 8 HDMI 2.0 outputs; each HDMI port has audio 3.5 port, the resolution can up to 4K60Hz and all ports are HDCP 2.2 compliant. User Control methods - IR remote control, 2-Press push buttons with background blue light, WEB GUI, APP and RS232/UDP commands, this matrix switcher can work with the Blu-Ray Players, Set-Top boxes, Home Theater, and game consoles etc HDMI input sources to route to the HDMI displays, it has been widely used in different audio visual applications.

## Features

- 8 HDMI2.0 inputs with 3.5mm audio embedded for each input
- 8 HDMI2.0 outputs with 3.5mm audio de-embedded for each output
- Supports HDMI2.0, HDCP2.2
- The resolution can up to 4K@60Hz
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital and DTS-HD Master Audio
- Supports IR remote control(IR remote control codes are available)
- Supports smart EDID management, including 8-output EDID, 15 internal EDID.
- Supports RS-232 and TCP/IP Control(WEB GUI, APP and IR remote)
- Supports 2-press push buttons control with blue lights
- Supports to rename the inputs and outputs, scenes

## Connection Diagram

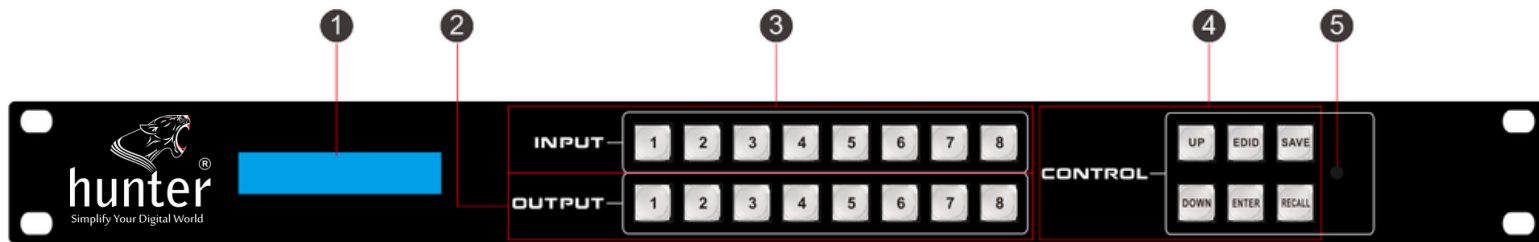


## Specification

Resolutions	480i, 576i, 480p, 576p, 720p, 1080i, 1080p@24/30/50/60Hz, 4K@60Hz
Input ports	8* HDMI, 1* RS-232(control), 1 * RJ-45(control), 8*3.5mm audio
Output Ports	8* HDMI, 1* RS-232(control),8*3.5mm audio
ESD Protection	±8kV (Air-gap discharge), ±4kV (Air-gap discharge)
Controlling	IR remote control, front buttons control, RS232, UDP
Power	DC:12V 2A
Dimension	440*260*44(mm)
Weight	4Kg

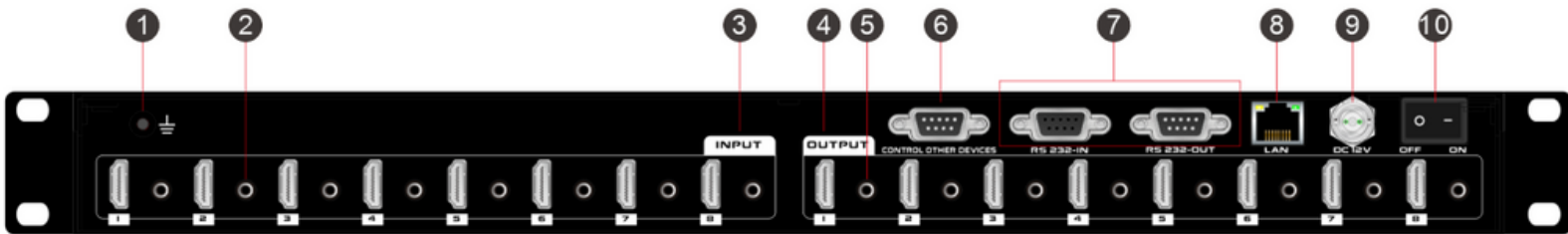
## Panel description

### Front Panel



- **LCD screen:** for the switching, EDID, IP etc information display.
- **OUTPUT:** 8 HDMI input buttons
- **INPUT:** 8 HDMI output buttons
- **CONTROL:**
- **UP:** for upward controlling, or when press input and press UP to all outputs
- **EDID:** Press it to enter EDID set mode.
- **SAVE:** Press to save the switching status.
- **Down:**for upward controlling
- **ENTER:** Press to confirm to save the setting.
- **RECALL:** Press it to recall the presets/scenes.
- **IR:** IR receiver for the IR remote control

## Back Panel



1. For the ground wiring
2. 3.5mm audio input for each HDMI input
3. INPUT: 8 female HDMI Input ports
4. OUTPUT: 8 female HDMI output ports
5. 3.5mm audio outputs for each HDMI output
6. Control other devices: from the WEB GUI setup to fill out the commands
7. RS232 IN&RS232 OUT: RS232 ports for the RS232 control
8. LAN: for the IP/TCP control, the default IP address is 192.168.1.80
9. DC12V: power supply port
10. **ON/OFF**: power off/on switch

### Matrix Switcher control

Hunter Matrix switcher can support IR remote, APP, RS232/TCP/IP software, WEB GUI browser or the front push-buttons control.

### Remote control

Users also can control this matrix switcher with the remote control

### Channel Switching

Press the input from number “1~8”, then press “SWITCH”, then press the output from number“1~8”, can press the outputs continually.

Eg. Switch input 1 to output 1, 2, 3:  
Switch 1,2,3

- **Scene Save**

Press “SAVE”, then press the scene number from “1~8”.  
Eg, Save switching input 1 to output 1,2,3 to scene 2:  
"SAVE" "2"



- **Scene Recall :**

Press “RECALL”, then press the scene number from “1~8”.

Eg, Recall scene 2:

"RECALL" "2"

- **EDID Setting:**

Press “EDID” button to enter EDID setting mode, then press number “0” to choose the needed EDID, then press “ENTER” to confirm, or press number “9” to cancel or return to home page.

"EDID" "0" "ENTER"

- **APP control**

Users can download the APP from the Google play or Apple store by searching keywords “MCS”, then need to make sure the Matrix switcher is connected to the WIFI router and the mobile devices is connected to the same WIFI. The default IP address of the matrix switcher is 192.168.1.80.

Open the APP and Enter the IP address of the matrix switcher:

Matrix Control System

192.168.1.80

ENTER

Click Enter and login with the user name and password, the default User name is admin, password is admin.

Matrix

Home Caption Config Setup Account

User Name

Password

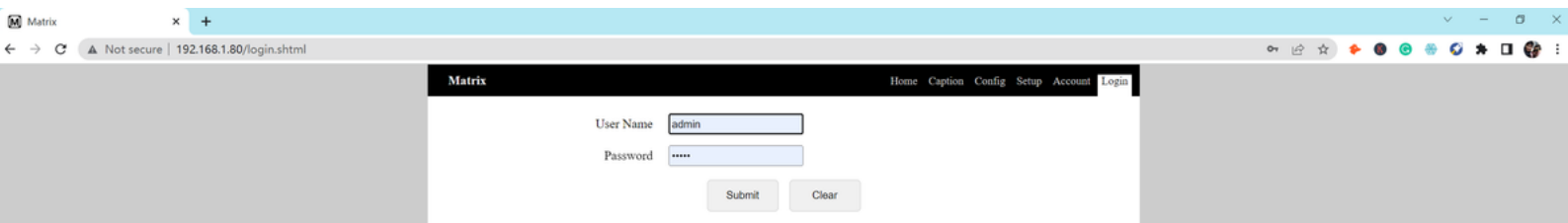
Submit

Clear

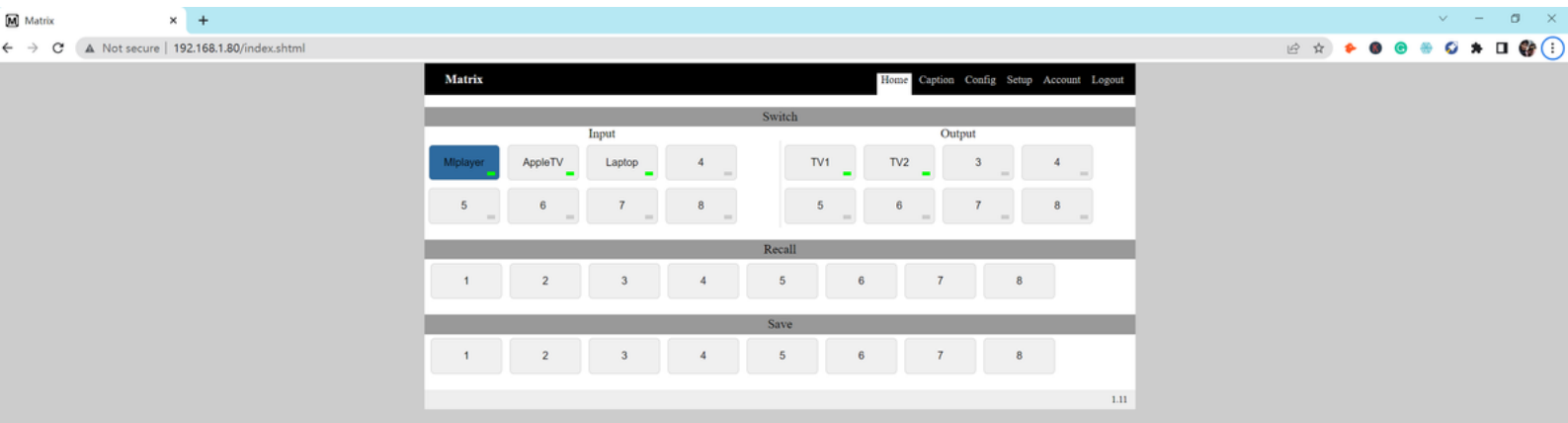
- **WEB GUI browser Control**

Users also can use the WEB browser to control the matrix switcher, users can have the matrix switcher connected with the PC with the LAN cable directly or have the matrix switcher connected the same network switch. The default IP address of the matrix switcher is 192.168.1.80.

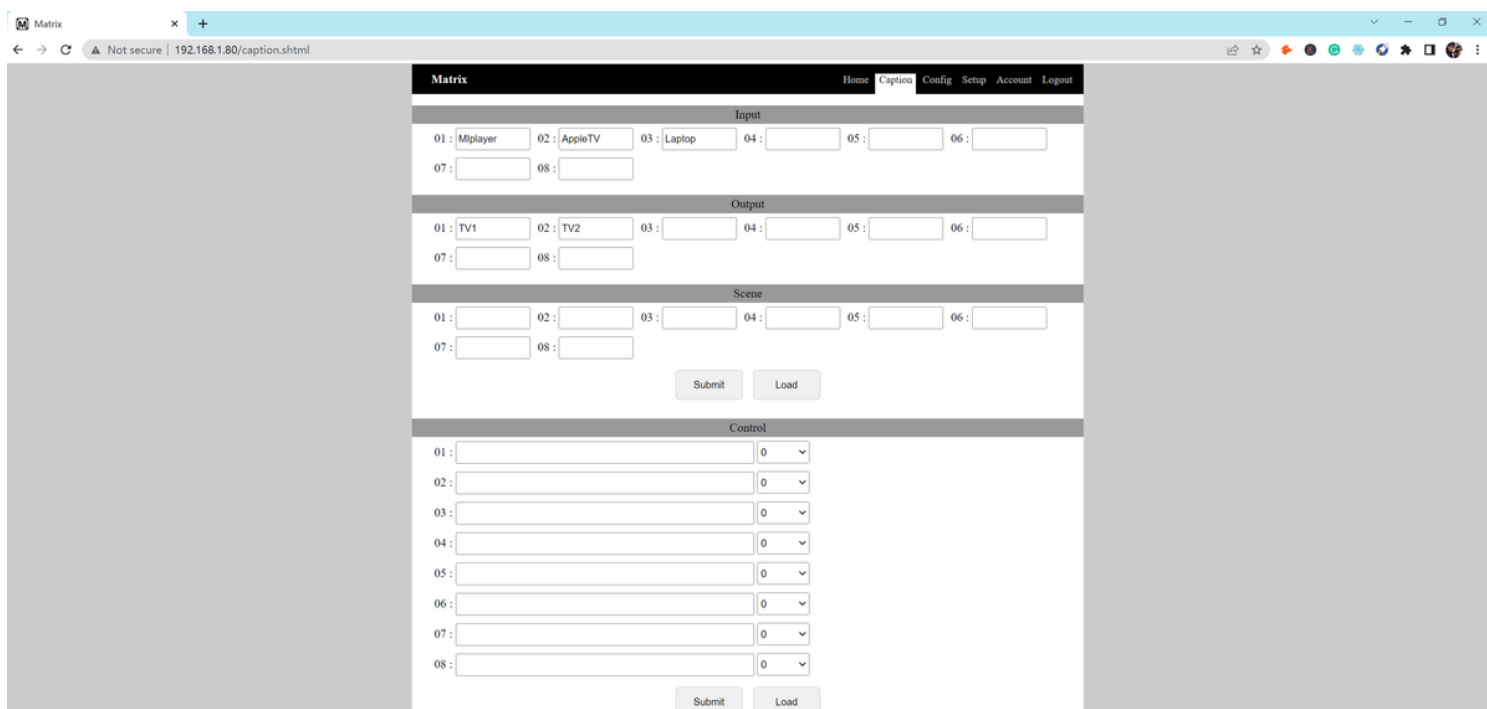
After opening the browser, users can type the matrix switcher IP address and press enter: The default user name is admin and the password is admin.



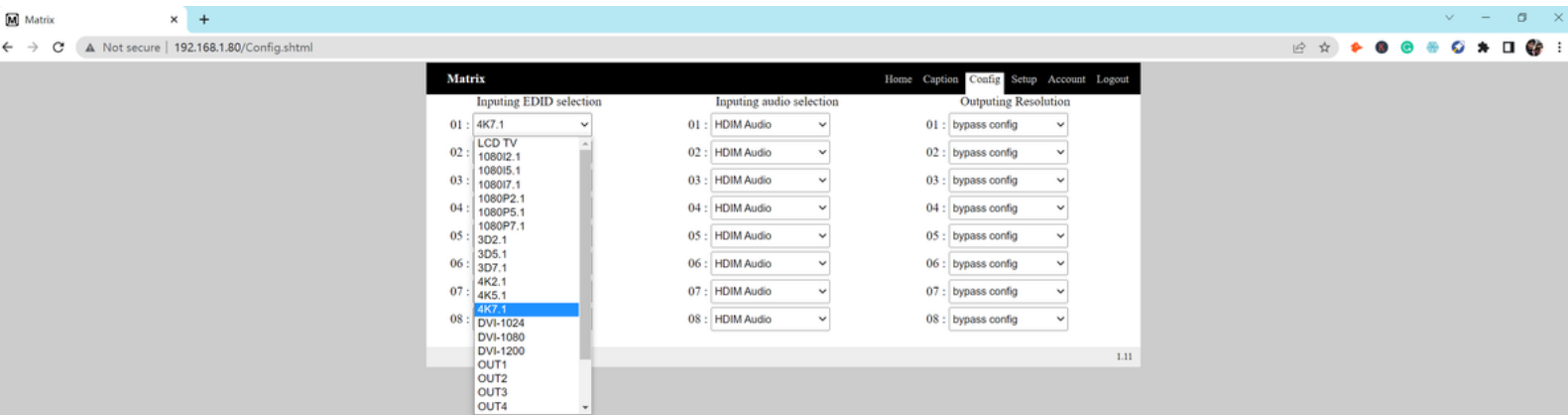
After login, it will turn to “Home” interface, users can do the sources switching, scenes recall, save and the other devices control here.



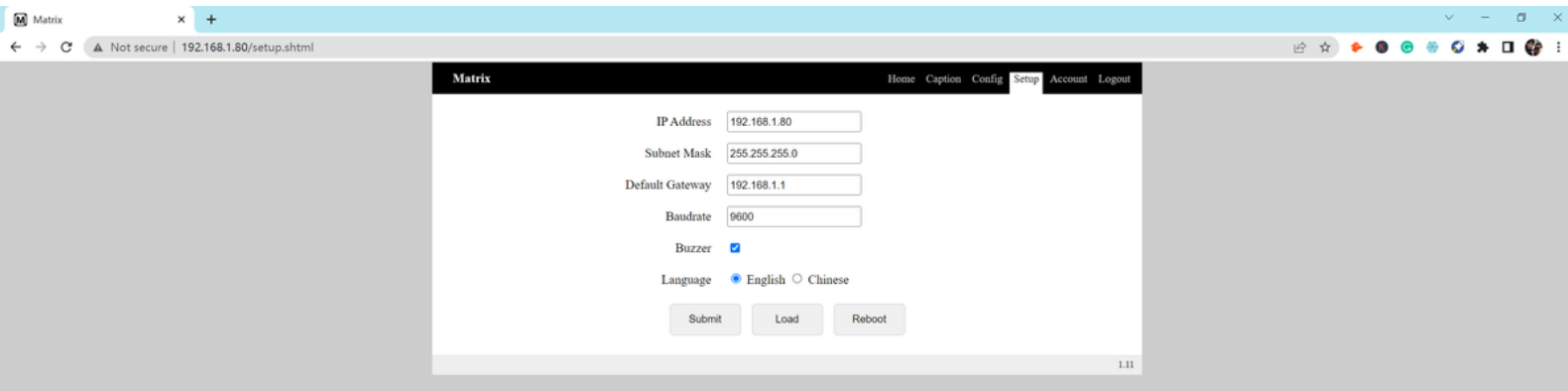
Caption tab is from users to change then input, output, scene names, also can setup the control other devices commands here.



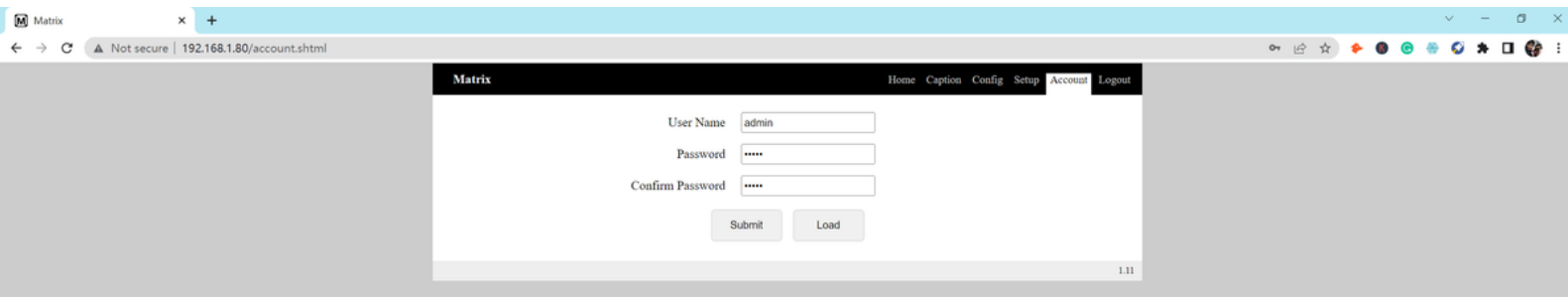
Config/EDID setting tab for users to select or setup the EDID for the specific inputs



Setup interface for users to do the IP address, COM baud rate and buzzer settings:



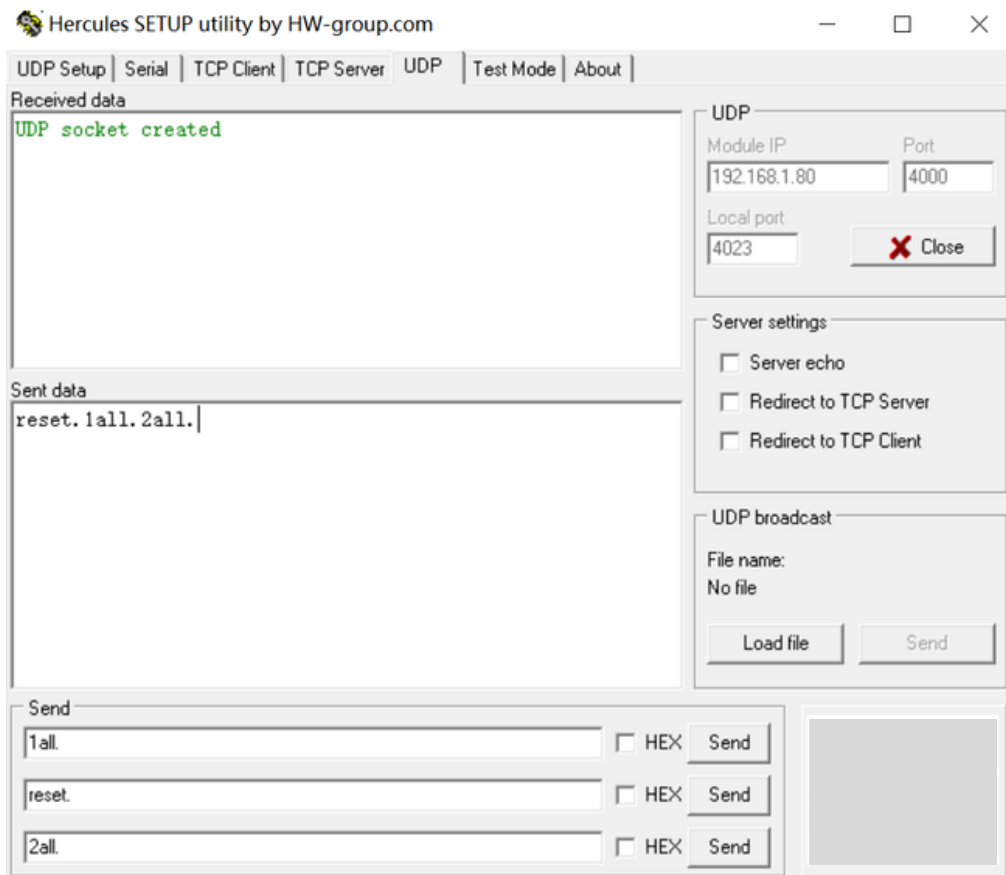
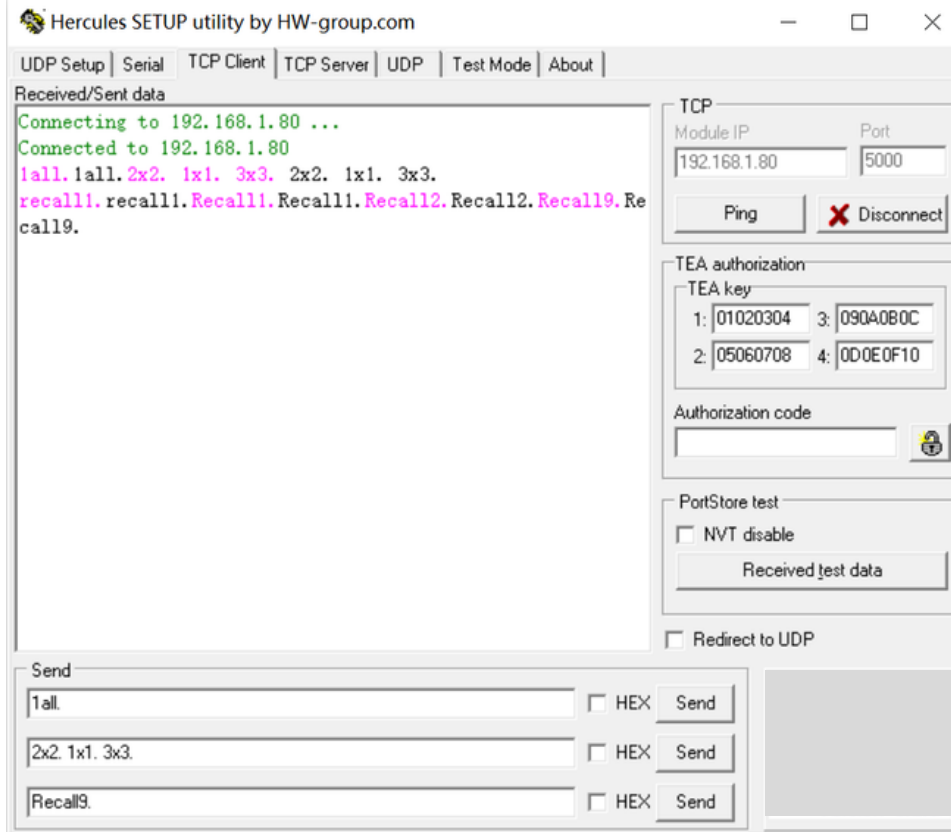
Account interface for users to change the login user name and password:



## The 3rd Party Control command

**IP address:** 192.168.1.80 (default IP)

**Protocol:** TCP(5000), UDP(4000)





## RS232

Baud rate: 9600, N, 8, 1

Use RS232 direct cable

Commands	Functional Description	Example
Yall YxY YxY.YxY.YxY SaveY Recall[y] Reset	Switch input Y to all outputs Switch input Y to output Y Switch input Y to output Ys Save to scene Y Recall the save scene Y To reset account to admin/admin, IP address to default 192.168.1.80	Switch 1 to all outputs: 1all. Switch input 2 to output 9:2x9. Switch input 3 to output 2, 3, 4:3x2.3x3.3x4. Save to scene2: Save2. Recall to the scene 10: Recall10.

## Package Content

- Hunter HDMI Matrix 8x8 (9304-HUV-M88A84K)
- Remote Control
- Rack Ear

