Model **:** ATZ HDMI-V2-44B

Description: 4x4 HDMI2.0 Matrix Switch 18Gbps 4K@60 (4:4:4)

This is a new fixed 4K60 HDMI matrix switcher with 4x HDMI2.0 inputs and 4x HDMI2.0 outputs, the resolution can up to 4K60Hz and all ports are HDCP2.2 compliant. With the friendly user control methods by 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.

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Features:

- 4 HDMI2.0 inputs
- 4 HDMI2.0 outputs with one independent 3.5mm/SPDIF audio
- 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 4-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

Specifications:

Resolutions	480i,576i,480p,576p,720p,1080i,1080p@24/30/50/60Hz,4K@6
Input ports	4x HDMI, 1x RS-232(control), 1x RJ-45(control)
Output ports	4x HDMI, 1x RS-232(control),1x 3.5mm/SPDIF audio
ESD Protection	±8kV (Air-gap discharge), ±4kV (Air-gap discharge)
Controlling	IR remote, APP, RS232/TCP/IP software, WEB GUI browser or the front push-buttons control, UDP
Power	DC: 12V 2A
Dimension(mm)	440*260*44(mm)
Weight	4kg

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Panel Description:
Front Panel

① **LCD screen**: for the switching, EDID, IP etc information display.
② **INPUT**: 4 HDMI input buttons
③ **OUTPUT**: 4 HDMI output buttons
④ **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.
⑤ **IR**: IR receiver for the IR remote control

Back Panel

① **Ground**: For the ground wiring
② **INPUT**: 4 female HDMI Input ports
③ 3.5mm audio output from output 1
④ **OUTPUT**: 4 female HDMI output ports
⑤ **Control other devices**: from the WEB GUI setup to fill out the commands
⑥ **RS232 IN**: Female RS232 port for the R232 control
⑦ **RS232 OUT**: Famle RS232 port 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

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Matrix Switcher control

This 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. Note the below buttons are not functional on this product: Standby, Auto, 4K, 1080p, 720P, 1366

Channel switching:

Press the input from number "1~8", then press the output from number "1~9", can press the outputs continually.

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

 INPUT 1 ⟶ OUTPUT 1, 2, 3

Switch any inputs to all outputs:

Press input from number "1~8", then press "UP" or "ALL" button.

SAVE: for the preset cave. "SAVE" ⟶ select from the INPUT buttons(1~8) OUTPUT buttons(1~9)

⟶ "ENTER", will hear a beep sound.

RECALL: for the saved presets recalling. "RECALL" ⟶ select from the INPUT buttons(1~8) OUTPUT buttons(1~9)
⟶ "ENTER", will hear a beep sound.

MENU: for back to homepage/status

CLEAR: to disconnect the selected input to the outputs

ENTER: to confirm the switching, scenes save & recall

WEB GUI/APP control

For the WEB GUI control, recommend the Google Browser and for the APP control, can get 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.
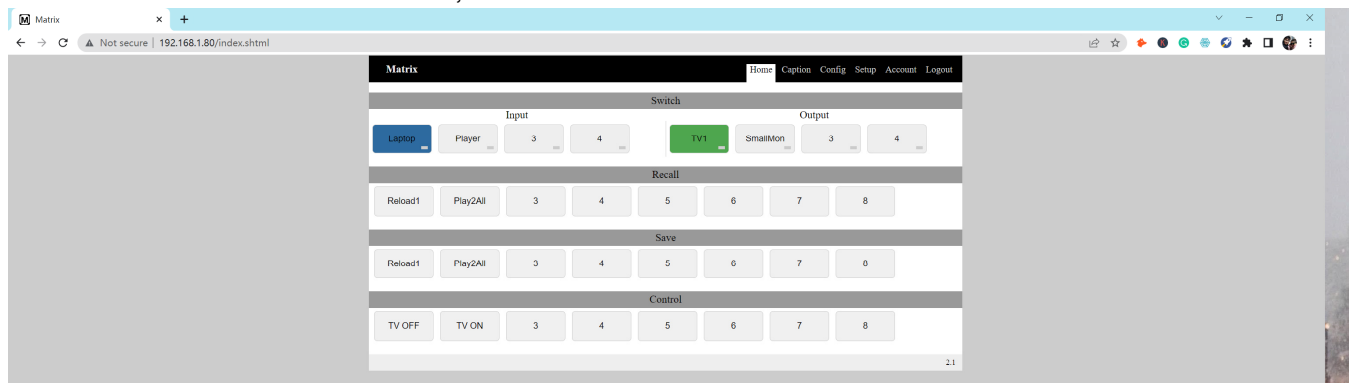Open the WEB GUI/APP and Enter the IP address of the matrix switcher:
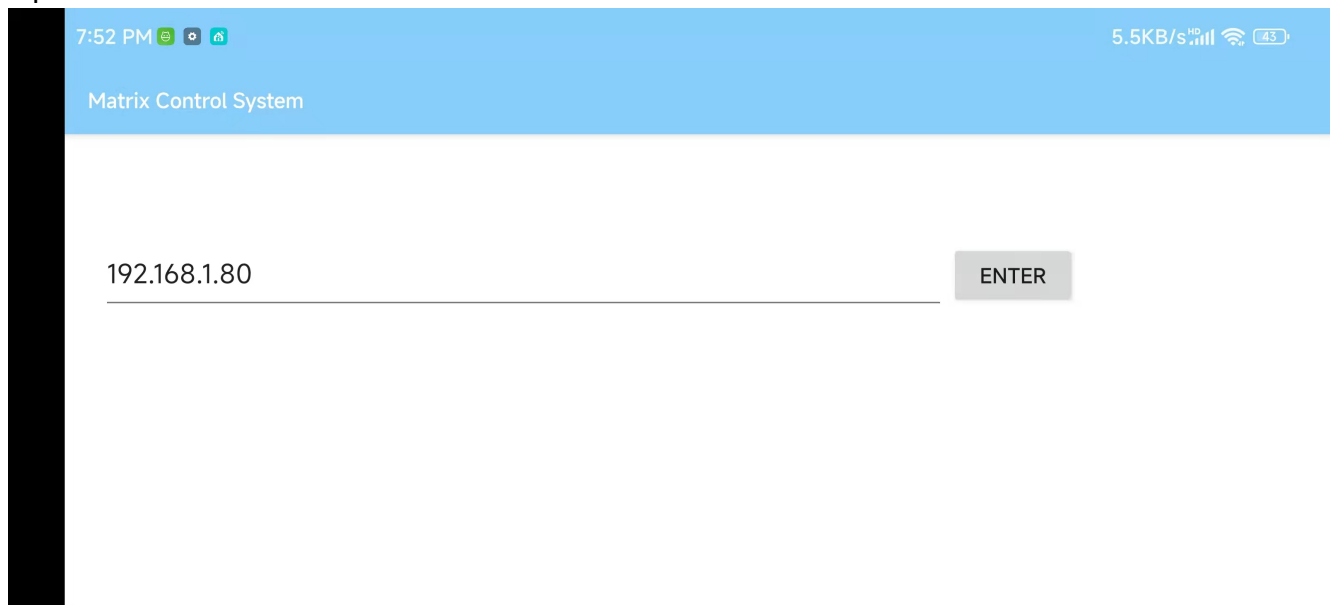
Click Enter and login with the user name and password, the default User name is admin, password is admin.
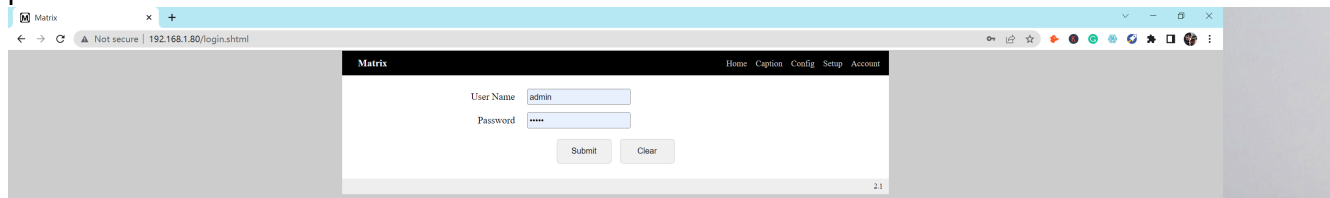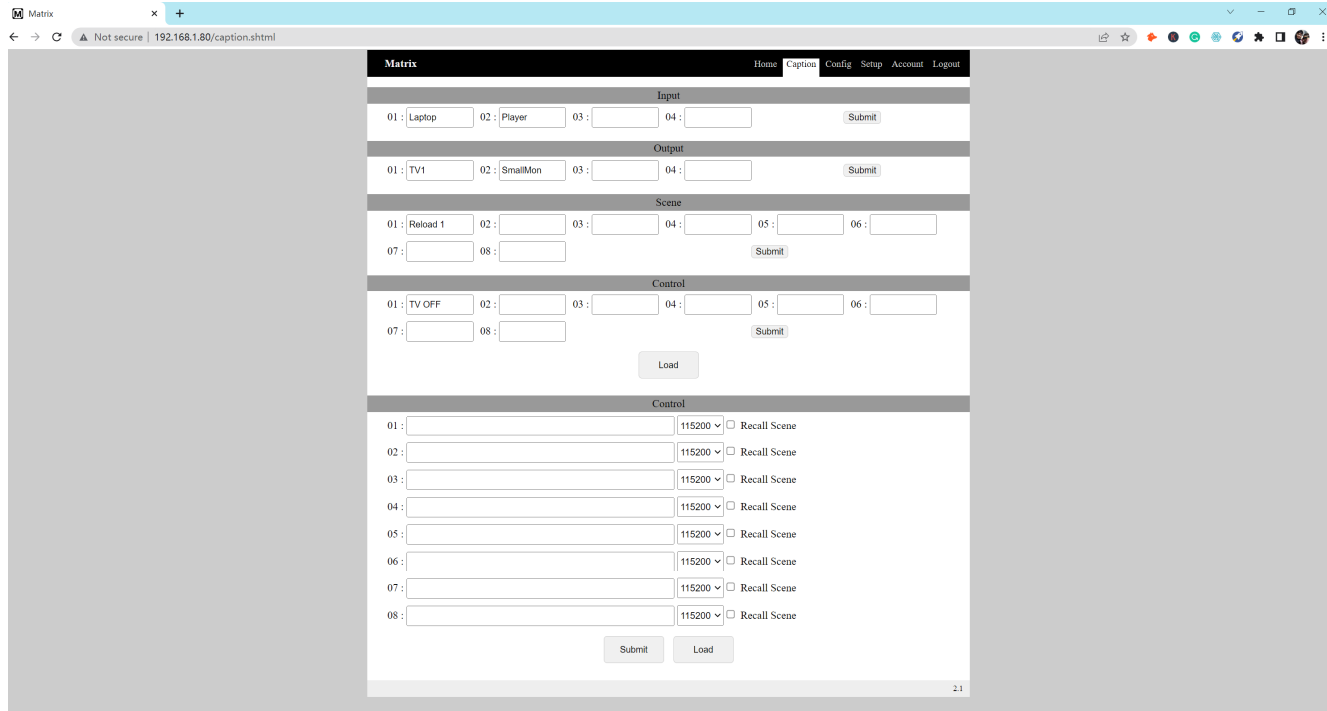

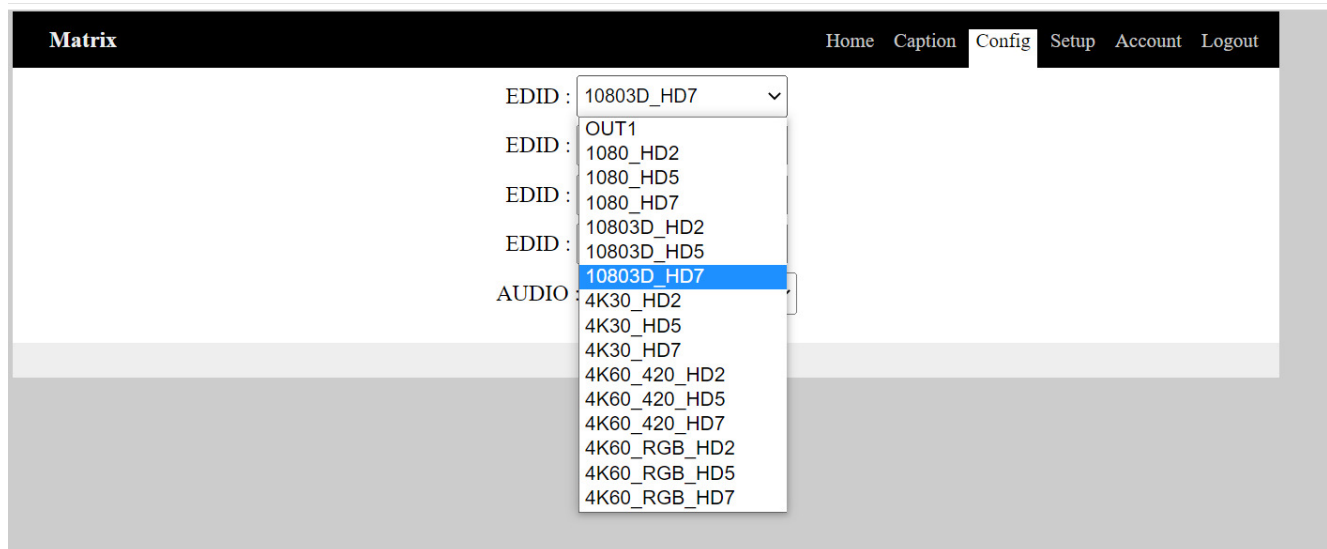Click Submit to login after typing the correct user name and password, and it will turn to the home interface for the sources Switch, Scene Recall/Save:

Users can change input, output and Scenes names here, up to 8 characters.
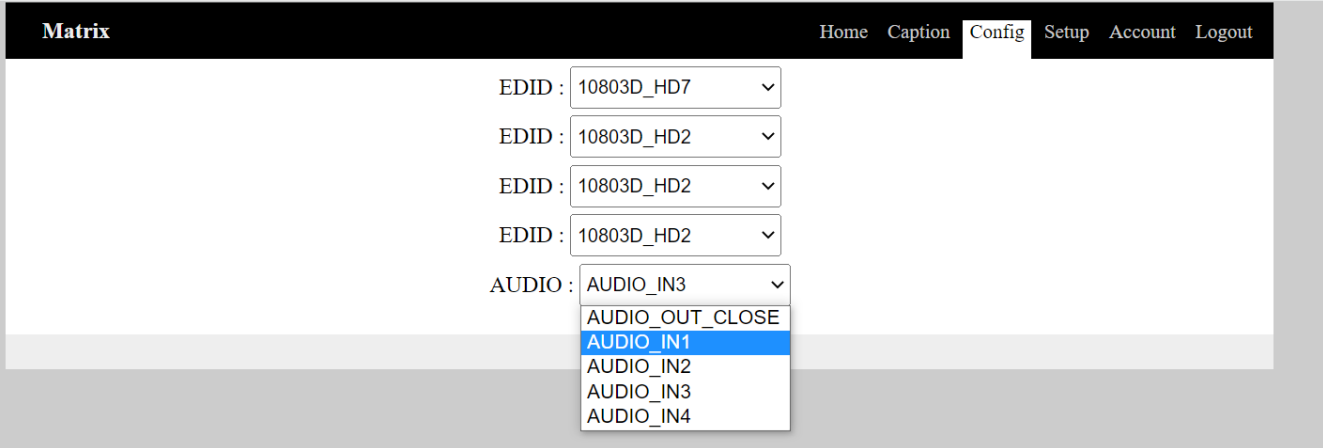
Users can do EDID and audio selection from the Config tap:
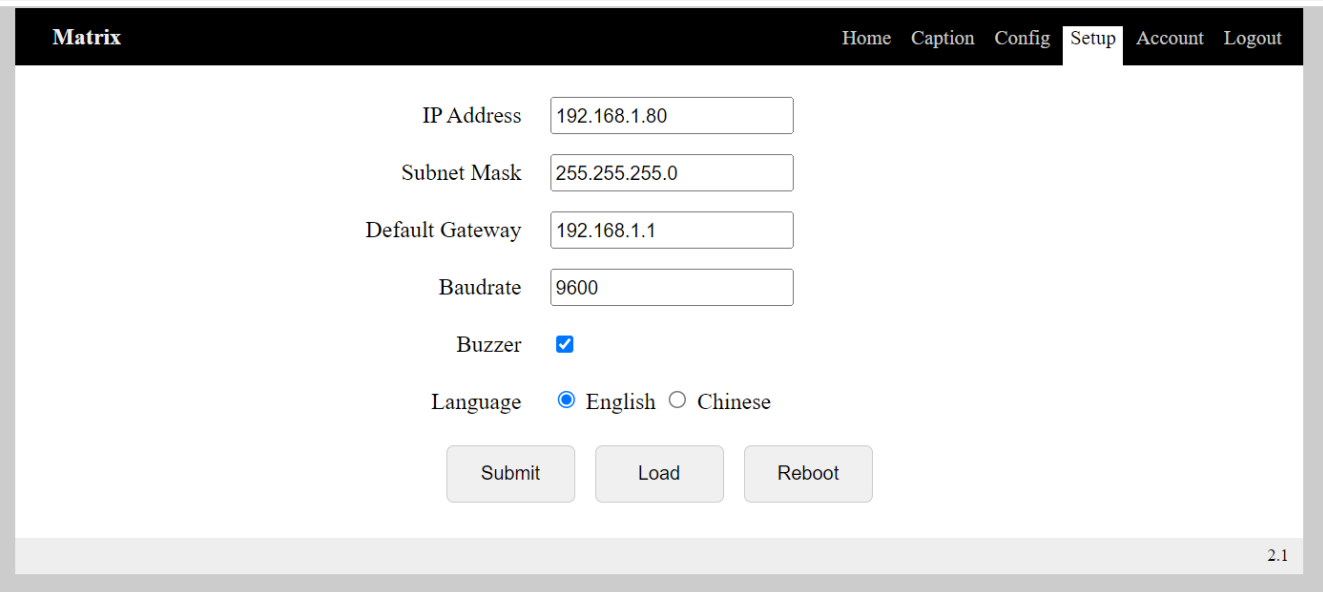
Matrix			Home	Caption	Config	Setup	Account	Logout

EDID : 10803D_HD7

EDID : 10803D_HD2

EDID : 10803D_HD2

EDID : 10803D_HD2

AUDIO : AUDIO_IN3

AUDIO_OUT_CLOSE
AUDIO_IN1
AUDIO_IN2
AUDIO_IN3
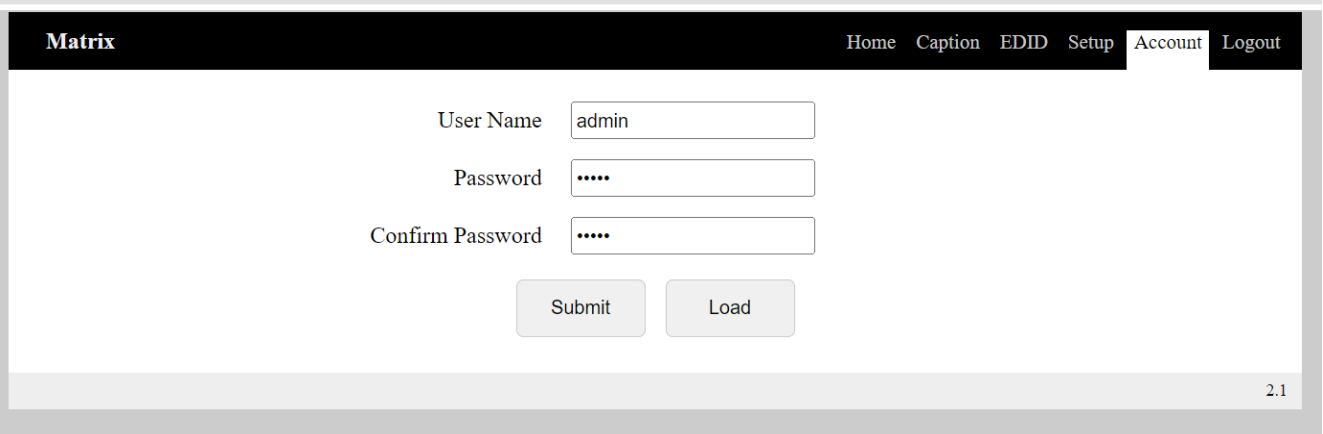AUDIO_IN4

Users also can do the settings for the "Setup" tap

Matrix			Home	Caption	Config	Setup	Account	Logout

IP Address 192.168.1.80

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

Baudrate 9600

Buzzer ☑

Language ● English ○ Chinese

Submit   Load   Reboot

2.1

Users can change the default user name and password from the "Account" Tap:

Matrix			Home	Caption	EDID	Setup	Account	Logout

User Name admin

Password •••••

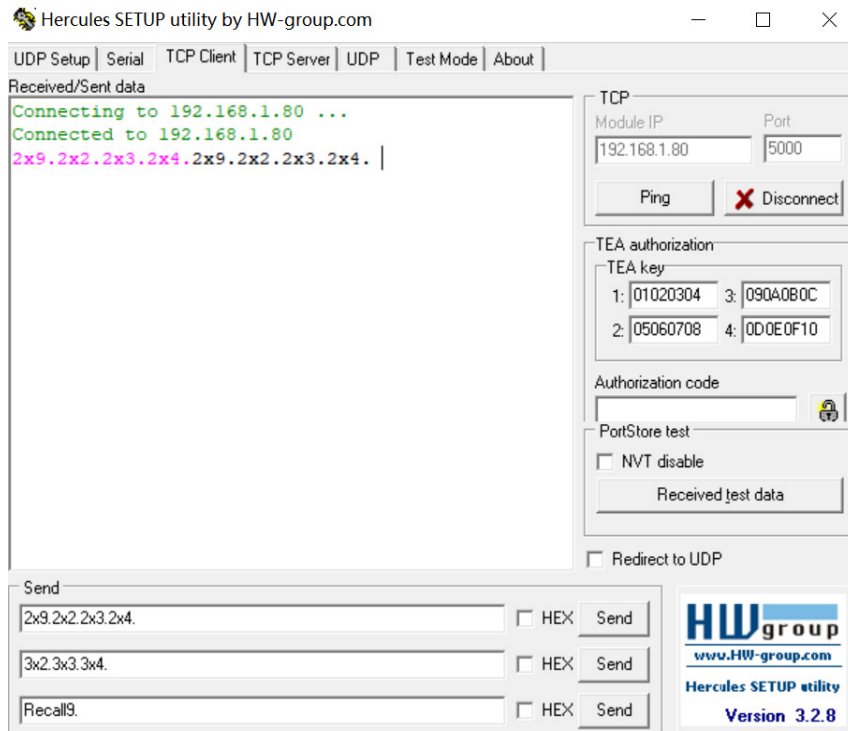Confirm Password •••••

Submit   Load

2.1

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The 3rd Party Control command

IP address: 192.168.1.80 (default IP)
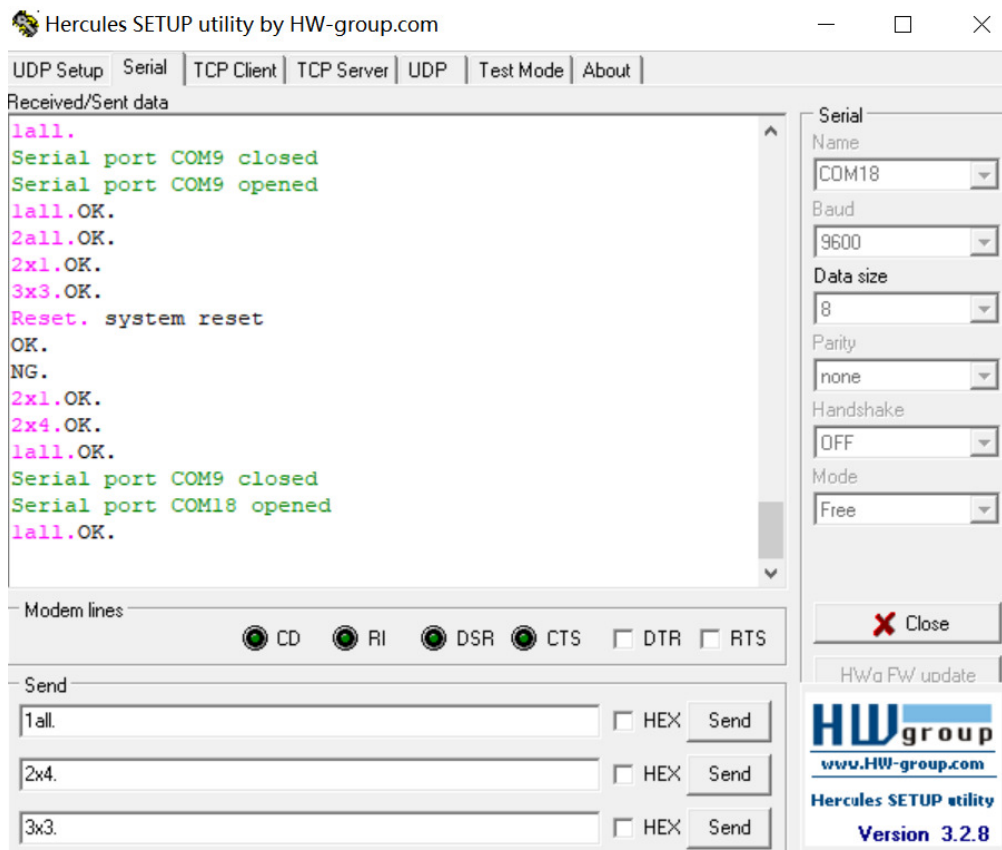**Protocol:** TCP(5000), UDP(4000)

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RS232

Baud rate: 9600, N, 8, 1

Use RS232 direct cable

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

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Package Includes:

1x HDMI Matrix Switcher
1x DC 12V2A power adapter
1x Remote Control
1set Mounting ear

Product Diagram:
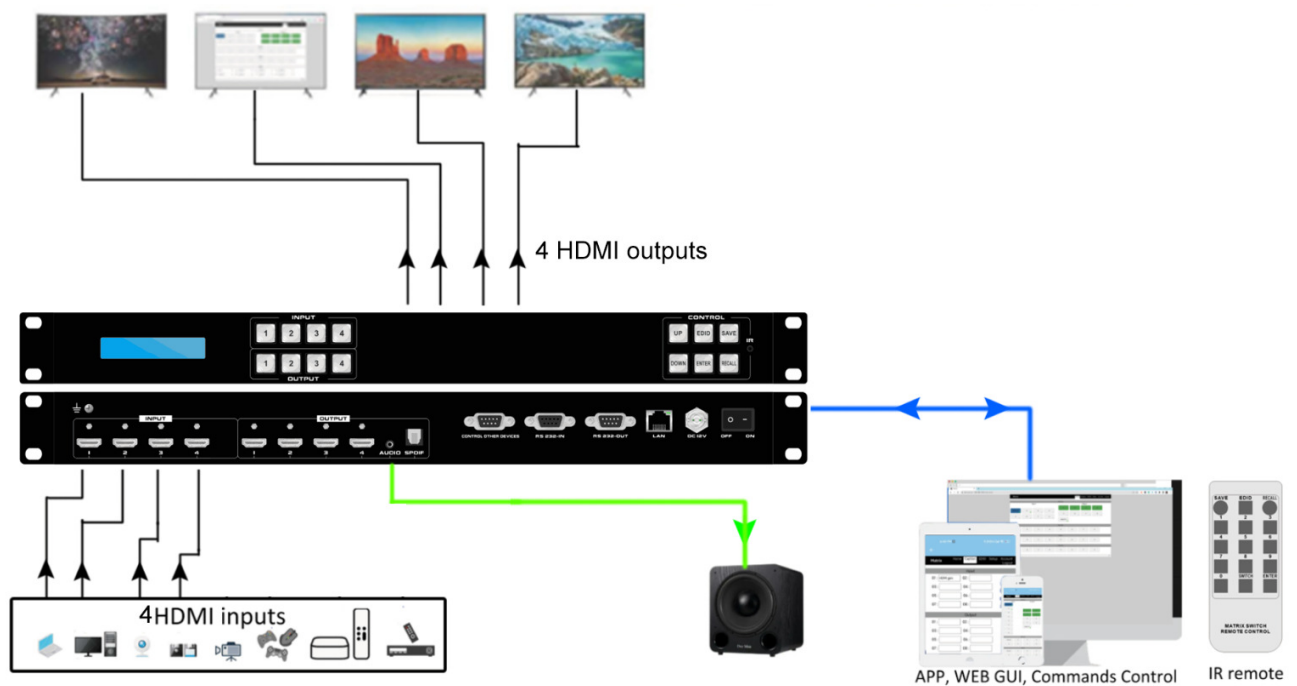
Warranty: 2 Years

Warranty is effective from the date of original delivery.
This warranty shall be void if a serial number has been removed from the product.

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