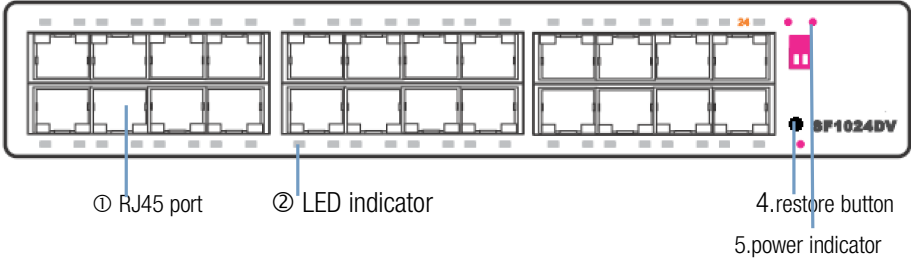# 24 ports HDMI smart matrix over cat6 cable

Operating Instructions

Front side

RJ45 ports (24 ports) , each port with 2 LED lights， 1 power indicator and 1 restore factory button.
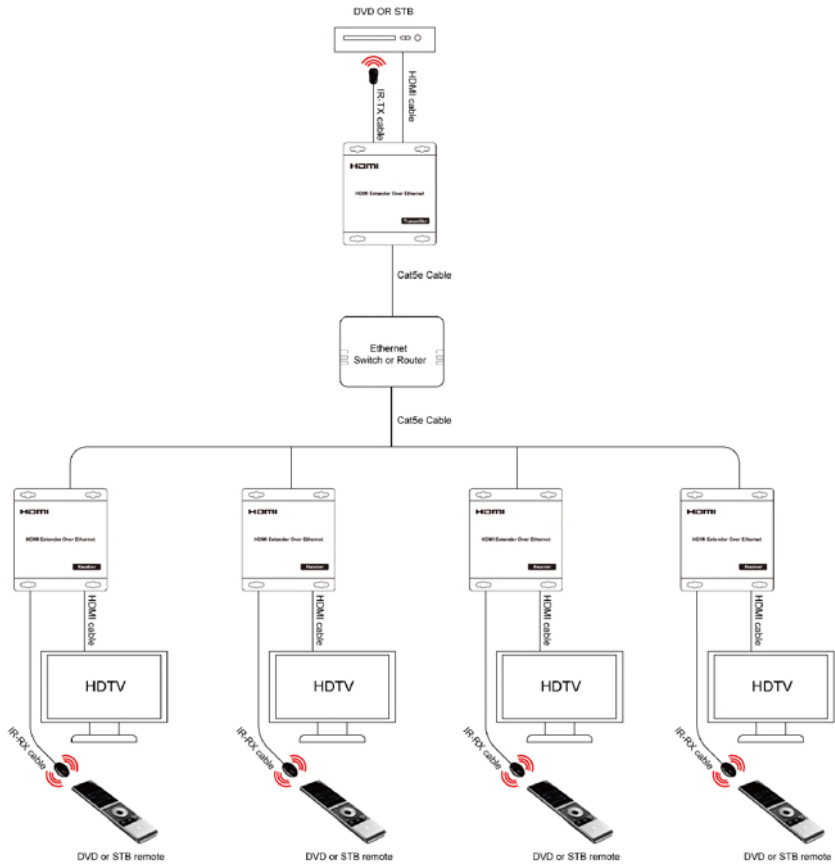

① RJ45 port　　② LED indicator　　　　　　　　　4.restore button

5.power indicator

Rear side:

220v power plug

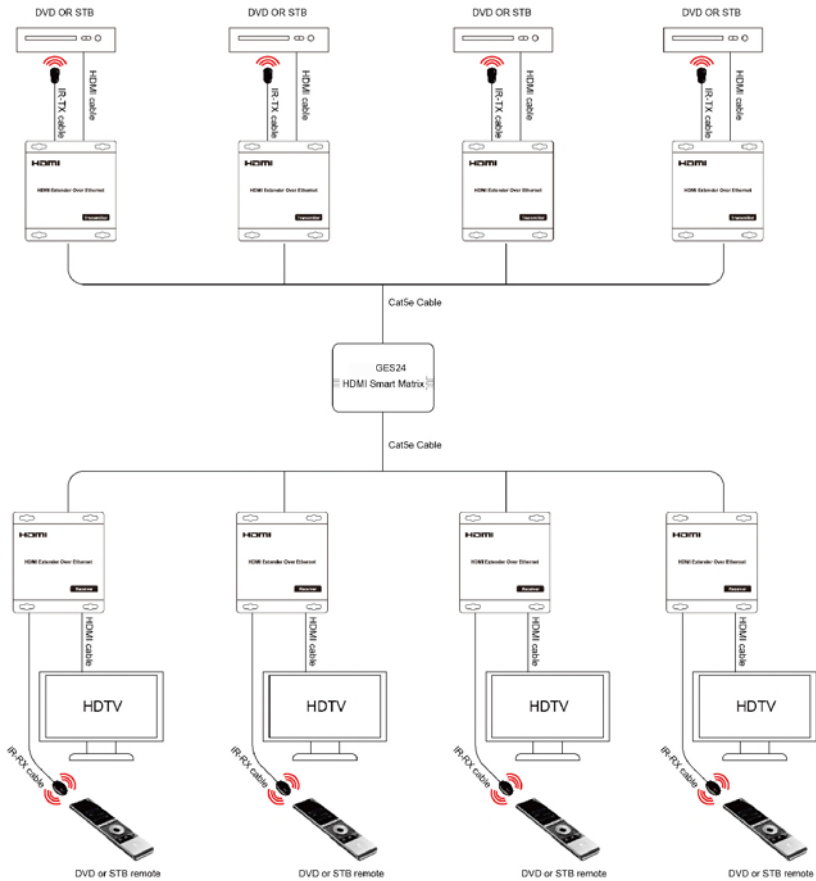# 1. Typical applications:

1). One to more configuration

CONNECTING AND OPERATING

1. Connect HDMI TX ports with HDMI smart matrix port, also connect HDMI RX ports with HDMI smart matrix ports.(a common IP switch is also workable).

2. A HTTP server is embedded in TX and RX, you can setup IP address for RX via web browser. Please refer to "Setup HDMI TX and RX" **in page 5. (** for one to many configuration, you only need to set IP address for HDMI RX).

2) More to more configuration

CONNECTING AND OPERATING

1. For more to more connection , TX&RX has to work with HDMI smart matrix .

2. Connect HDMI TX ports with HDMI smart matrix ports, also connect HDMI RX ports with HDMI smart matrix ports.(forHDMI smart matrix, any one of 24 ports can be set as "input port"or "output port" by yourself. Please refer to page 5.
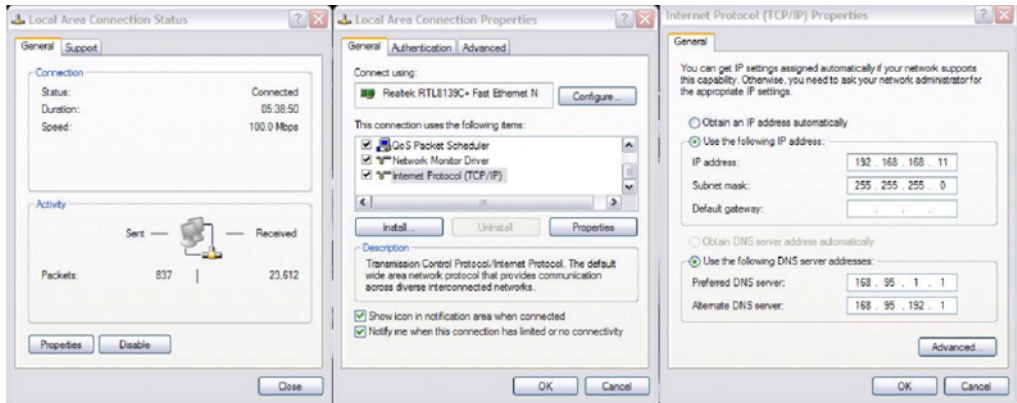
2. Setup HDMI TX and HDMI RX

A HTTP server is embedded in each TX and RX. you can setup IP address for HDMI extender via web browser.
The default IP address of the **TX is 192.168.168.55, MAC address is: 00:0b:78:00:60:01.**
The default IP address of the **RX is 192.168.168.56, MAC address is: 00:0b:78:00:60:02.**

Step 1: Assign the PC (or laptop) IP address on the computer: "Control Panel"→"Network Connections"→
"Local Area Connections Status"→"Properties"→"Internet Protocol (TCP/IP)"→Type the IP address field with
192.168.168.11 (0-255) and Subnet mask with 255.255.255.0.   After that press OK to save the
configuration.
Note: The IP address of PC should be different from the IP address of TX and RX.
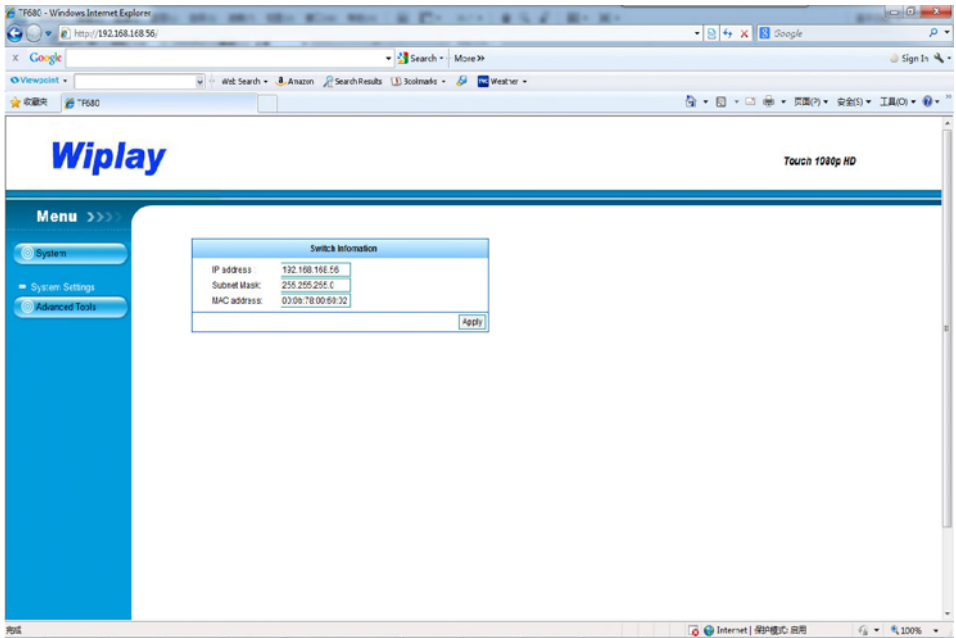

Step 2: Use an Ethernet Cable to connect the PC (or laptop) and the extender. the power LED for the extender is

red and the status LED becomes green.

Step 3: please Ping the connected device through the sequence on computer: "Start," "Run", input "CMD", input

"ping 192.168.168.55 for TX" or input "ping 192.168.168.56" for RX, you will receive the reply if the conn you

will receive the reply if the connection is established.

Step 4:   Login in IE :192.168.168.55 (default IP for TX) or 192.168.168.56(default IP for RX), You can setup IP
address, subnet mask, gateway, and MAC address for the TX and RX (as below)

Please set IP address for each TX and each RX, IP:192.168.168.XX (XX:1-255), all IP address for TX and RX
must be different .
Please set MAC address for TX and RX, MAC:00:0b:78:XX:XX-XX (XX:01-FF), The MAC address for each TX and
each RX must be different .

Step 5:   After click "Apply" button, the green LED light on the device will go out, you have successfully set IP address for TX and RX now.

Note: if you need to restore the device to it's factory default settings, please power on the device, the red light becomes lighting, waiting about 10 seconds, the green LED light starts working, at this time to press the reset button about 5-10 seconds, then the green light will go out, you have successfully restored IP address to factory IP address now.
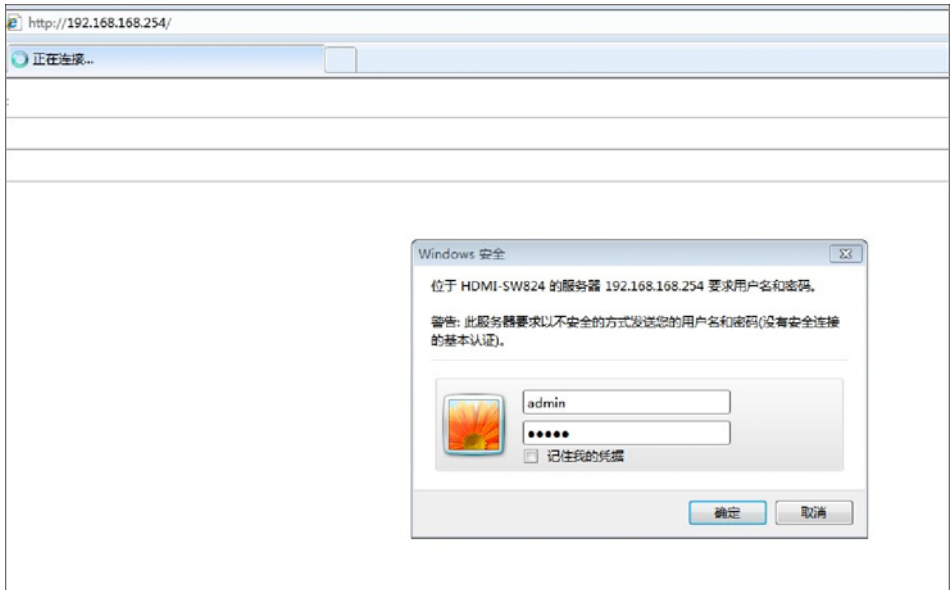
3: HDMI smart matrix **operation**

Default IP address for Switch：192.168.168.254，Username：admin,　Password：admin.

3.1　Login in

Step 1: connect your PC (or laptop) with IP Switch, revise your PC's IP address firstly, PC's IP:
192.168.168.11(0-255) , PC's IP address must be different with Switch IP address.
Step 2: Login in IE :192.168.168.254, input Username：admin,　Password：admin (al below picture)
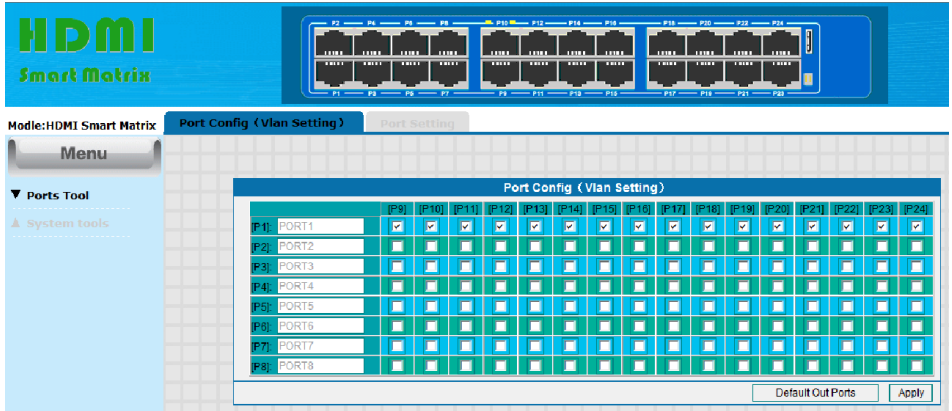
3.2 Setting Input port and Output port for IP Switch

Select "Port setting " in port tool as below picture, you can click "input "or "output " by your own choice. When the port is set as "Input ", it should be connected to HDMI TX, when the port is set as "Output", it should be connect to HDMI RX.
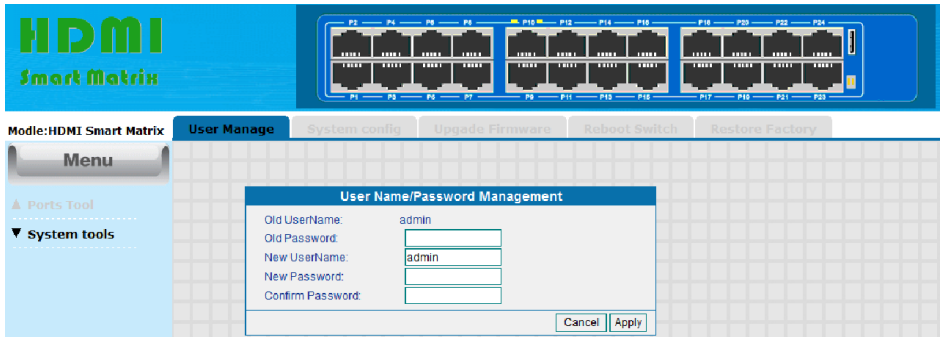
3.3 Choose the input for display

Select "Port Config "in Ports Tool, You can set every "Output" port to display any "Input"port which connected to HDMI Extender TX.   For example, if you need all the output ports to display the same input source which connected to port 1 , you can set it as below picture :
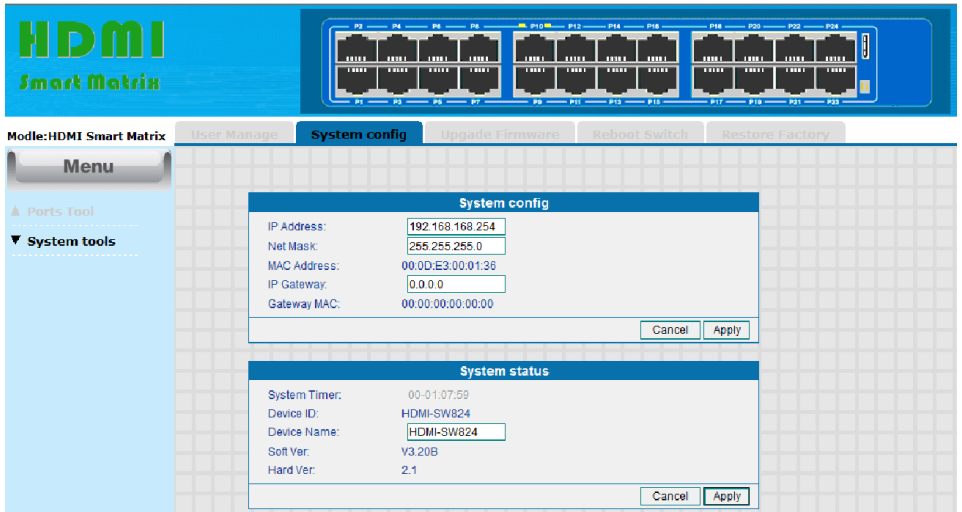

3.4 Set your Username and Password for IP switch

You can set your Username and Password for IP switch, select "User Manage" in System tool, you can revise your Username and Password.
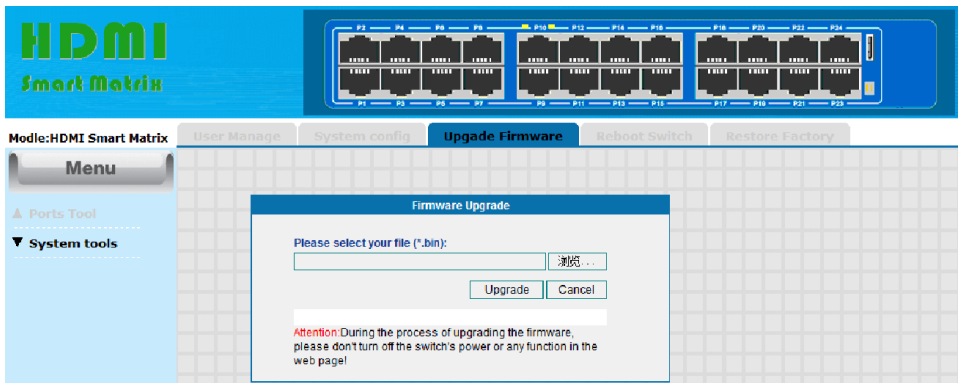

3.5 Set your IP address for IP Switch

You can set your IP address for IP Switch, select "System config" in System tools, you can revise IP address and name for Switch.
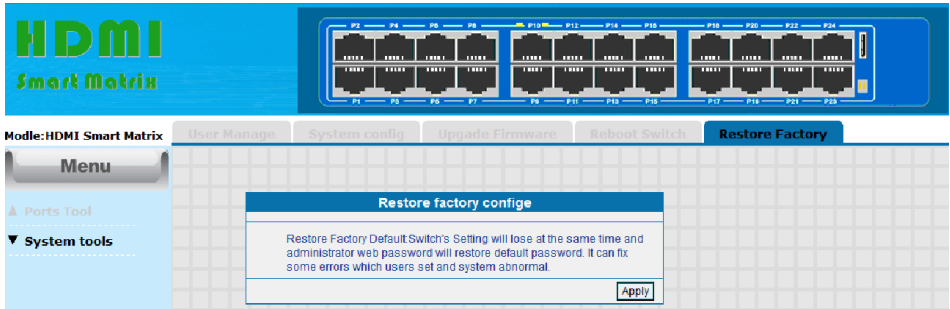
3.6　Upgrade the switch

You can upgrade the switch, select "Upgrade Firmware" in System tools, you can upgrade the device's software .

3.7　Restore equipment default Settings

Click "Restore Factory" in System tools, restore the device to it's factory default settings

MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner of benzine to clean this unit.

PRODUCT SERVICE

1) **Damage requiring service:** The unit should be serviced by qualified service personnel if:

(a)The DC power supply cord or AC adaptor has been damaged;

(b)Objects or liquids have gotten into the unit;

(c)The unit has been exposed to rain;

(d)The unit does not operate normally or exhibits a marked change in performance;

(e)The unit has been dropped or the cabinet damaged.

2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, (Parts(2)Year, Labor(90) Days) which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new of a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

MAIL-IN SERVICE

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.