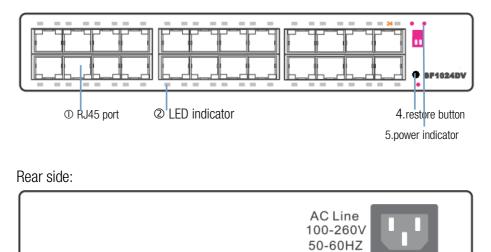
24 ports HDMI smart matrix over cat6 cable

Operating Instructions



Front side

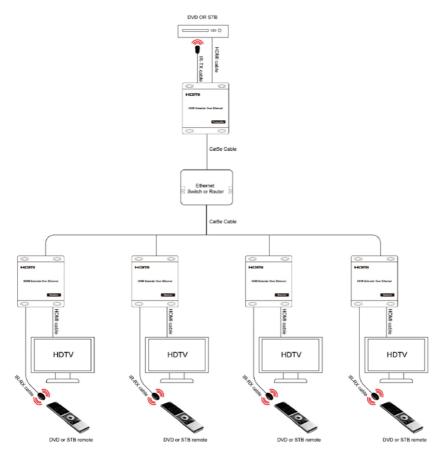
RJ45 ports (24 ports) , each port with 2 LED lights, 1 power indicator and 1 restore factory button.



220v power plug

1. Typical applications:

1). One to more configuration

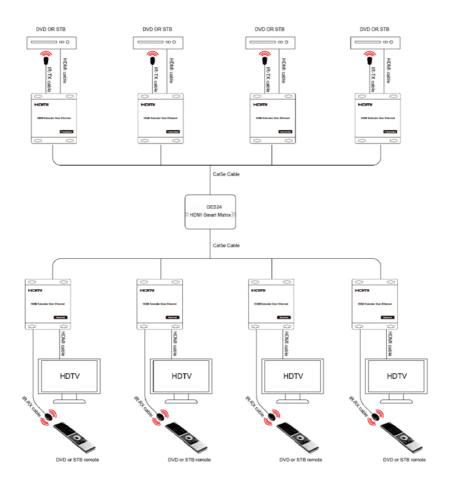


CONNECTING AND OPERATING

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 **BX 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 BX.

Local Area Connection Stat	us [🛛 🗙	Local Area Connection Properties	General	roperties
Connection Status: Duretion:	Connected 05:38:50	Connect using:	You can get IP settings assigned, this capability. Otherwise, you nee the appropriate IP settings.	automatically if your network supports of to ask your network administrator for
Speed:	100.0 Mbcs	This connection uses the following items:	Obtain an IP address automa	atically
		CoS Packet Scheduler	Use the following IP address	
		Stream Network Monitor Driver	IP address:	192 . 168 . 168 . 11
			Subnet mask:	255 . 255 . 255 . 0
Activity		٤]	Default gateway:	
Sent	- Received	Instal Uninstal Properties	Obtain DNS server address	au domation like
	L.	Description Transmission Control Protocol/Internet Protocol. The default	Use the following DNS server	
Packets: 837	23,612	wide area network protocol that provides communication	Preferred DNS server:	168.95.1.1
		across diverse interconnected networks.		
		Show icon in notification area when connected	Alternate DNS server:	168 . 95 . 192 . 1
Properties Disable		Notify me when this connection has limited or no connectivity		Advanced
	Close	OK Cancel		OK Cano

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 BX must be different.

F680 - Windows Internet Explorer	see see the fire see in Dr. at 1 4 5 7 Hours	
http://192.168.168.56/		 H X Scoople
Google	👻 🚰 Search • · · · More >>	🌙 Sign In 🖣
ewpoint +	🗑 👳 Web Search + 🔍 Amazon 🔏 Search Results 🕕 Boolmanks + 💋 🚾 Weather +	
如藏夫 🌈 "F680		🗟 • 🖸 • 🍱 🖶 • 页面(?) • 安全(s) • III(c) • 🚱 •
Wiplay		Touch 1980p HD
Menu >>>>	Switch Information	
System	IP address 132,168,166,56	
System Settings	Subnet Mask: 256.256.266.0	
Advanced Tools	MAC address: 03.06/78.00.60/32	
	Apply	

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)

http://192.168.168.254/	
◯ 正在连接	
	Windows 安全
	位于 HDMI-SW824 的服务器 192.168.168.254 要求用户名和密码。
	警告:此服务器要求以不安全的方式发送您的用户名和密码(没有安全连接的基本认证)。
	admin
	······ □ 记住我的凭据
	确定取消

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.

le:HDMI Smart Matrix	rt Config (Vlan Setting)	Port Setting	PS — P11 — P15 — P15 -	P17 P16 P21		
Menu		Fort Setting				
Ports Tool			Ports S	etting		
	[Port1]	[Port2]	[Port3]	[Port4]	[Port5]	[Port6]
	Name:PORT1	Name: PORT2	Name: PORT3	Name: PORT4	Name: PORT5	Name:PORT6
	Input Output	Input Output	Input Output	Input Output	Input Output	Input Out;
	[Port7]	[Port8]	[Port9]	(Port10)	[Port11]	[Port12]
	Name: PORT7	Name:PORT8	Name:PORT9	Name:PORT10	Name:PORT11	Name:PORT12
	Input Output	Input Output	Input Output	Input Output	Input Output	🖸 Input 🔍 Out;
	(Port13)	(Port14]	(Port15)	(Port16)	(Port17)	(Port18)
	Name: PORT13	Name: PORT14	Name:PORT15	Name: PORT16	Name: PORT17	Name: PORT18
	Input Output	Input Output	Input Output	Input Output	Input Output	OInput Outp
	[Port19]	[Port20]	[Port21]	[Port22]	[Port23]	[Port24]

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 :

HDMI Smart Matrix		P4 P4	I					<u> </u>		- P11							
odle:HDMI Smart Matrix	Port Config (Vian Setting)	Port 9	Settin	g	_							_		_	_		_
Menu																	
Ports Tool					Po	rt Cor	nfig (Vlan S	etting	D)							
Ports 100		[P9]	[P10]	[P11]	[P12]	[P13]	[P14]	[P15]	[P16]	[P17]	[P18]	[P19]	[P20]	[P21]	[P22]	[P23]	[P24
	[P1]: PORT1	F				M							M			M	
	[P2]: PORT2																Г
	[P3]: PORT3																
	[P4]: PORT4																Г
	[P5]: PORT5																
	[P6]: PORT6																
	[P7]: PORT7																
	[P8]: PORT8																
													Defa	ault Out	Ports		Apply

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.

HDMI Smart Matrix	
Modle:HDMI Smart Matrix	User Manage System config Upgade Firmware Reboot Switch Restore Factory User Name/Password Management
Ports Tool System tools	Old UserName: admin Old Password: New UserName: admin New Password: Contim Password: Cancel Apply

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.

HDMI Smart Matrix	
Modle:HDMI Smart Matrix	User Manage System config Upgade Firmware Reboot Switch Restore Factory
Menu	
	System config
▼ System tools	IP Address: 192.168.168.254 Net Mask: 255.255.255.0
	MAC Address: 00:0D:E3:00:01:36
	IP Gateway. 0.0.0.0 Gateway MAC: 00.00.00.00.00
	Cancel Apply
	System status
	System Timer: 00-01:07:59
	Device ID: HDMI-SW824
	Device Name: HDM-SW824 Soft Ver V3208
	Hard Ver: 2.1
	Cancel Apply

3.6 Upgrade the switch

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

HDMI Smart Matrix	
Modle:HDMI Smart Matrix	User Manage System config Upgade Firmware Reboot Switch Restore Factory
Menu	
A Ports Tool	Firmware Upgrade
▼ System tools	Please select your file (".bin): 测纸 Upgrade Cancel
	Attention During the process of upgrading the firmware, please don't turn off the switch's power or any function in the web pagel

3.7 Restore equipment default Settings

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

HDMI Smart Matrix	
Modle:HDMI Smart Matrix	User Manage System config Upgade Firmware Reboot Switch Restore Factory
Menu	
A Ports Tool	Restore factory confige
▼ System tools	Restore Factory Default Switch's Setting will lose at the same time and administrator web password will restore default password. It can fix some errors which users est and system abnormal.
	Apply

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.