Model No.: **SX-MX08**

Operating Instructions

Thanks for purchasing our product.
Please be sure to read this instruction manual
Carefully before using our product.

CE ♲ RoHS 🗑

Introduction

Foxun's SX-MX08 is a HDMI2.0 HDCP2.2 4K 8-by-8 HDMI true matrix. It allows any eight source (Blue-Ray player, HD DVD player, satellite receiver, game system, etc.) to be shown on the any of the eight displays simultaneously, no matter the source is HDCP or not.

SX-MX08 has the ability of equalization and amplification to ensure HDMI signal's transmission through long cable without quality loss.

SX-MX08 offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Contents

HDMI Matrix

Product Overview (Model Number: SX-MX08)

Features

- HDMI 2.0 version (Support HDMI2.0 4K50/60Hz YUV420).
- Support HDCP2.2/1.4 input, HDCP1.4 output.
- Easy to use: install in seconds, no need for setting.
- Allows up to eight HDMI source devices to be independently switched to eight HDMI monitors, HDTVs, or projectors.
- The two outputs could show the same or different source at the same time no matter the source is HDCP or not.
- Support high definition resolutions 4K@60Hz, 4K@30Hz, 1080P, 1080i, 720P and standard video format.
- Three switching modes：panel buttons, local IR, IR extension.

✍ Notice

Our company reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

⚠ Warning

To reduce the risk of fire, electric shock or product damage:

1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

6. Clean this apparatus only with dry cloth.

2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.

7. Unplug this apparatus during lightning storms or when unused for long periods of time.

3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.

8. Protect the power cord from being walked on or pinched particularly at plugs.

4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Only use attachments / accessories specified by the manufacturer.

5. Do not place sources of naked flames, such as lighted candles, on the unit.

10. Refer all servicing to qualified service personnel.

Package Contents

① Main unit. (SX-MX08)

② 5VDC Power Supply.

③ 1x Remote.

④ 1x IR_RX (IR receiver) extension cable.

⑤ Operating Instructions.

⑥ 2x Mounting Ear.

Specifications

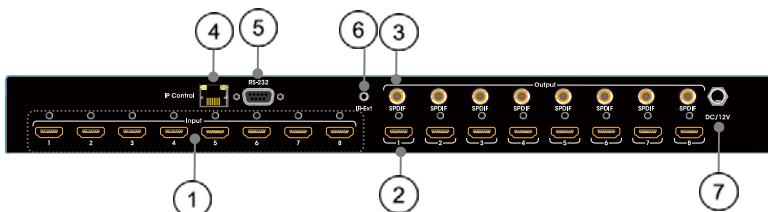|	
Operating Temperature Range	-5 to +35°C(-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Signaling Rate	3.0Gbit/s
Video Format Supported	DTV/HDTV: 4K@60Hz/4k@30Hz/1080P/1080i/720P/576P/480P/ 576i/480i
Output Video	HDMI2.0 and HDMI 1.4
Audio Format Supported	DTS-HD、Dolby trueHD
Maximum Transmission Distance	<15m
Power Consumption	15wtts (Max.)
Dimensions	L440 x W256 x H42 mm/ L17.3"xW10"xH1.65"
Mass (Main Unit)	2.4kg

📖 **Note:** Specifications are subject to change without notice. Mass and dimensions are approximate.

Panel Descriptions

Front Panel

Rear Panel

① HDMI input port.
② HDMI output port.
③ S/PDIF digital audio output.
④ Ethernet control.
⑤ RS232 for control.
⑥ For IR external receiver cable.
⑦ DC power input.

Installation

1) Connect the HDMI input sources (☞such as HD-DVD, PS3, STB etc) into SX-MX08.

2) Connect the HDMI outputs (☞ such as HD-LCD, HD-DLP) into SX-MX08.

3) Optional: Connect the IR Cable to the IR Port.

4) Optional: Connect RS232 cable from PC RS232 port (or USB-RS232 converter) to SX-SX08.

5) Optional: Connect Audio (Coaxial) cable to the Audio output port.

6) Optional: Connect an Ethernet cable from the TCP/IP port on the matrix to a local Area Network.

7) Connect 5V power supply to DC power socket.

8) Power on the SX-MX08, TV and other devices.

9) Control SX-MX08 by using buttons on the front panel.

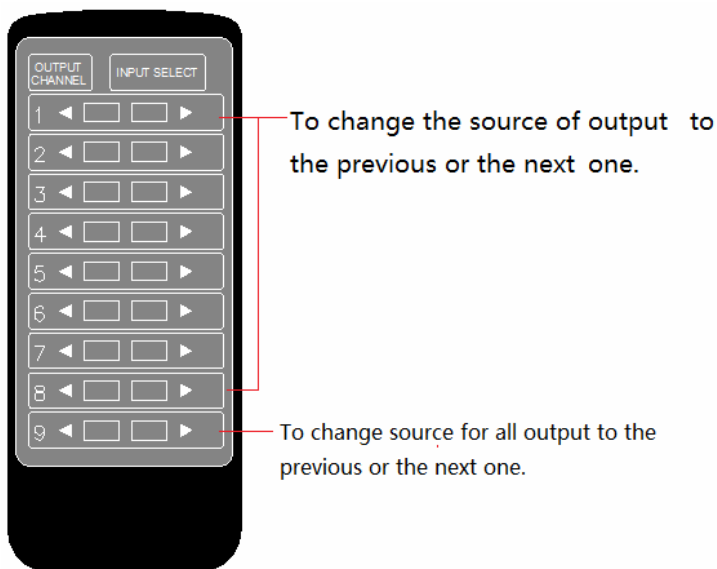📖 **Attention:** Insert / Extract cables gently.

Operation

1. Front panel control.

The SX-MX08 front panel to select inputs to the various outputs.

1). Press "Out 1" to "Out 8" to choose the output port which need to change the source.

2). Press "In 1" to "In 8" to choose the source for the selected output port.

2. Local IR remote control.

To change the source of output to the previous or the next one.

To change source for all output to the previous or the next one.

User can control the HDMI route of the matrix by using the IR remote.

Left arrow button to backward the input port, and right arrow to forward input port.

3. IR extender control.

User can use the IR receiver cable to change the IR receiver position.

If controlling the SX-MX08 through the 1/8" (3.5 mm) input jack on the rear panel, connect the IR cable directly to the matrix rear IR receiver extension sockets.

4. EDID setting.

Pressing 'Enter' to enter EDID setting menu.

EDID SETTING
<KEY3>TO START

Pressing '3' to change to the input port select menu.

INPUT SELECT
1   2   3   4

Pressing one of the digit will enter the setting menu for the selected input port.

<1> DOWN   <2> UP
<3> OK   <4> EXIT

'1' to show next EDID

'2' to show previous EDID

Note: First pressing '1' or '2' will show the current EDID setting.

'3' to confirm (activate).

'4' to exit menu

There are 12 set of embedded EDID data, 4 set of user EDID.   Or copy
EDID from TV on one of the output port.

    1：1080P_2CH(PCM) ---(see note2)
    2：1080P_ audio5.1
    3：1080P_ audio7.1
    4：1080P_3D_2CH(PCM)
    5：1080P_3D_ audio5.1
    6：1080P_3D_ audio7.1
    7：4K30Hz_3D_2CH(PCM)
    8：4K30Hz_3D_ audio5.1

9：4K30Hz_3D_ audio7.1

10：4K60Hz(Y420)_3D_2CH(PCM)

11：4K60Hz(Y420)_3D_ audio5.1

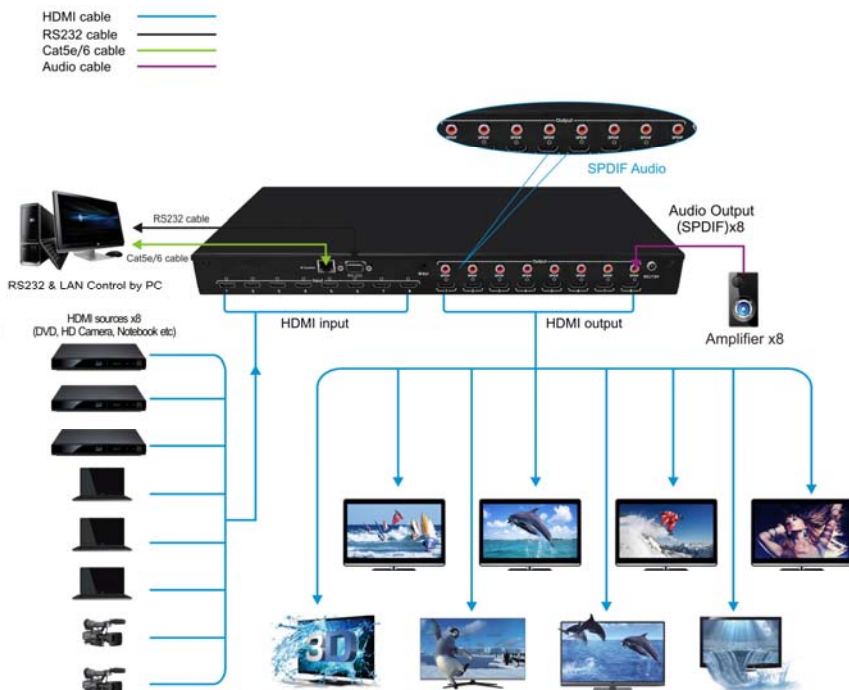12：4K60Hz(Y420)_3D_ audio71

USER EDID 1

USER EDID 2

USER EDID 3

User EDID can be set via RS232.

The EDID data read from one of output port will be saved to USER EDID1.

Typical Application

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;

  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.

（4）**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.

LIMITED WARRANTY LIMITS AND EXCLUSIONS
1.This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage.
The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, maladjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributable to acts of God.
2.THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRNTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)
3.PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.