

# **U S E R M A N U A L**

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## **HIFI 4x2 HDMI Matrix**

**Model No: HDMX0402M2**

# INTRODUCTION

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## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converter, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The HIFI 4x2 Matrix can connect four HD Source with two HD Display, which can also do extra audio output by the SPDIF port or Headphone port. It can switch or distribute the four HD Source to the two HD Display easily. The matrix also can support ARC function, which can upstream the TV audio to the amplifier.

Our devices offers solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

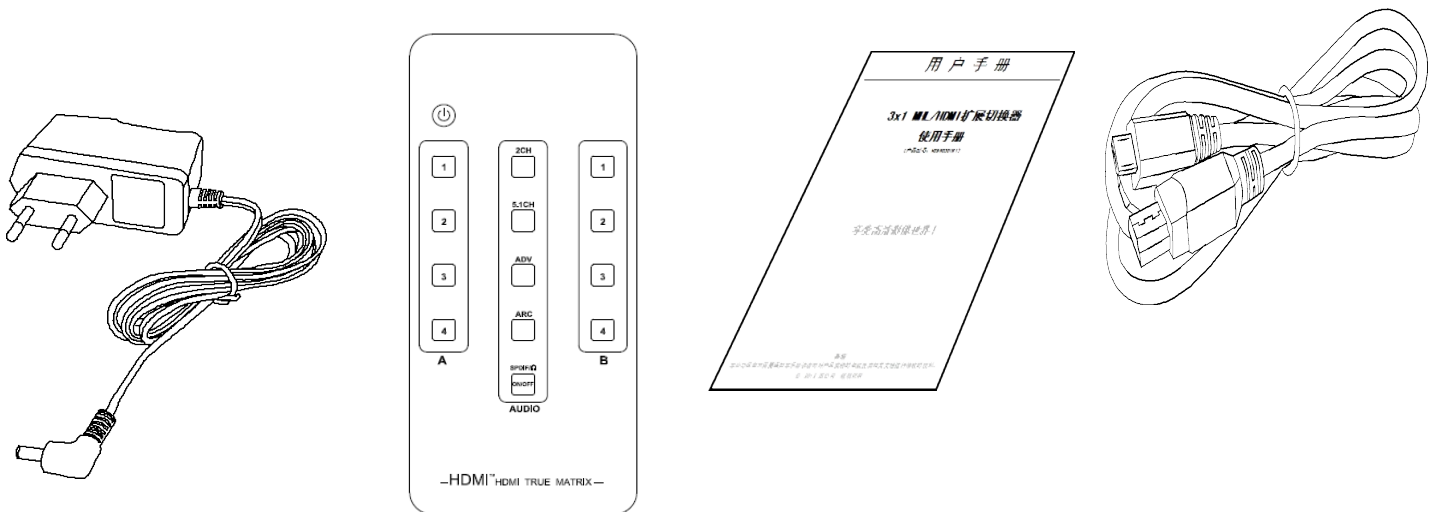
## FEATURES

- One HDMI Input support MHL/HDMI double mode input, the other three HDMI input support only HDMI single mode input.
- The output A support extra audio output by SPDIF port and 3.5mm Headphone Port.
- HDMI to achieve the synchronization of audio signal separation. There are **ADV/** 2.0CH / 5.1CH three kinds of audio mode options
- Support Full HD 1080P, Full 3D
- Support 4K\*2K resolution
- Support deep color 30bit, 36bit, 48bit
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Support signal retiming
- Support input up to 15metres AWG24 HDMI standard cable length, output up to 25metres AWG24 cable length
- Inputs can be switched with the IR remote control, also can be controlled by two switch buttons.
- MHL port supports the RCP function, it can do control to the smart phone and the switcher by the TV remote.
- MHL/HDMI working in dual mode, can reduce the number of ports

- The SPDIF audio output format can be chose by pressing the switch key or the remote.
- It can come back to the default the input 1 status when restarted or reset.
- Led Status Light allow the user to know the working status easily.
- No loss of quality
- Installs in minutes
- Need DC5V/2A power supply

**The accessories with the machines lists as picture:**

- 1、 5V power adapter 1pcs
- 2、 Remote 1pcs
- 3、 User manual 1pcs
- 4、 MHL-MHL cable 1pcs



**Physical Connection Showing Picture:**

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Figure 1.0 Front Panel Showing Picture

ON/OFF: Power Switch

POWER : Power Led Status Light

A : HDMI A output Led Status Light

A (1- 4) : 1-4 input led status light when output from A

IR: IR Receiver

B : HDMI B output led status light

B (1- 4) : 1-4 input led status light when output from B

ARC: ARC Led Status Light

SPDIF: SPDIF Port Led Status Light

2CH: 2CH Audio Led Status Light

5.1CH: 5CH Audio Led Status Light

**ADV: Advance Audio indicator**

A key: HDMI A output switch button

B key: HDMI B output switch button

ARC: ARC Functin On/Off Key(only the HDMI output A port supports ARC funciton).

SPDIF/  : SPDIF and headphone audio ON/OFF switch.

**Audio** : Switch button for Audio output mode, it can choose 5.1CH,2.0CH, ADV [Advance Audio] three kinds of audio output mode by circulate switching(When switch to 5.1CH audio mode output, the Digital audio signal receiving terminal must can support DTS/DOLBY-AC3 decode, or the input D audio signal receiving terminal will have no sound output; If need the audio signal receiving terminal can output the audio, pls switch to 2CH audio mode. When audio output switch to the ADV [Advance Audio] mode, the audio output format will be decided by the audio signal receiving machine audio decode ability. The splitter will output 7.1 channel audio signal while the output end connects the av amplifier with HDMI port that support 7.1 channel audio decode.(the HD Source signal itself is 7.1 channel)

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Figure 1.1 rear panel showing picture

DC 5V : 5V DC-DC Power Interface

MHL/HDMI IN1: MHL/HDMI dual mode input ports

HDMI IN2– HDMI IN 4: HDMI input interface

OUT-B: HDMI B output interface

OUT-A: HDMI A output interface

SPDIF: SPDIF optical output interface

⌋ : 3.5mm audio signal output

### Operating and Connecting:

1. To use the HDMI cable to connect the HDMI output port of the HD Source with the HDMI input port of the matrix or to use the MHL-HDMI cable to connect the smart phone MHL port with the HDMI input port of the matrix.
2. Connect one cable from each HDMI source devices into HDMI Matrix inputs.
3. Connect one cable from each display (monitor or projector) into the HDMI Matrix outputs.
3. Connect audio output SPDIF or COAX with stereo Equipment.
4. Use the RMT-IR remote control port to remotely switch between sources.
- 5 .Connect 5V power supply to the HDMI 4x2HIFI Matrix.
6. After In the TV menu settings with the MHL DEVICE synchronization, you can through the TV remote controller to control mobile device and switch signal source channel selection. But it requests the TV that can support the CEC function and mobile device can support RCP function. For details, please with TV or mobile device manufacturers to confirm. For example, the following mobile phone has passed the factory test, can support high-definition output and RCP function.

HTC sensation(G14)  
HTC sensation XE  
HTC EVO 3D  
HTC One X  
HTC Flyer

Samsung SII I9100  
Samsung I9108  
Samsung Galaxy Note Phone  
Samsung SIII

### SPECIFICATIONS:


### HDMX0402M2

HDMI STANDARD.....HDMI support 4K\*2K input and 3D

HDMI resolution .....24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i

Support video color format .....	24bit/deep color 30bit,36bit, 48bit
Support audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
Audio output.....	SPDIF and 3.5mm Stereo
Max transmission bandwidth.....	340MHz
Max baud rate.....	10.2Gbps
Input/Output TMDS signal .....	0.5~1.5Volts p-p
Input/Output DDC signal .....	5Volts p-p (TTL)
Input cable distance.....	≤15m AWG24 HDMI standard cable
Output cable distance.....	≤25m AWG24 HDMI standard cable
Max working current.....	1300mA
Power adapter format.....	Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/2A
Operating Temperature range.....	(-15 to +55°C)
Operating Humidity range.....	5 to 90%RH (No Condensation)
Dimension (L x W x H) .....	250X27X75 (mm)
Weight.....	380g

## IR Remote Operating Instruction

1. Firstly take off the plastic film that inserted in the rear of remote board
2. The A and B signifies the HDMI A output and B output.
3. If the Signal output from A, Only press the number key above A line. Like after you press the 2 key under A line, the signal 2 will output from A.
4. ARC: ARC Functin On/Off Key(only the HDMI output A port supports ARC funciton).
5. SPDIF/ : SPDIF and headphone audio ON/OFF switch
6. 2CH: 2 channel stereo mode.
- 7、 5.1CH: 5.1 channel mode.
- 8、 **ADV : Advance Audio model**
9. The plastic film is strongly advised to insert the rear of the remote board when the remote is

not used for long time.

**Notes:**

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machines is not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connencted	1. Check if the power adaptor head is truly and correctly inserted the power socket. 2. Check the power switch if it is in on status.
2	No Picture	1. Pls to make sure that the TV is on and has been connected with the machine,. 2. To check if the signal source is on and well connected. 3. Check the system connection quality. 4. Check if the line is all good quality. 5. Check the cable quality
3	Obscure Picture	1. To try again to connect the cable to be free from the

		unsuccessful connection. 2. HDMI Cable Quality
4	Remote	1. Pls check if the film that stops the current has been taken out. 2. To check if the remote battery is working full.