

USER MANUAL

4K 4x2 HDMI Matrix
Model #: 33-12730

INTRODUCTION

Dear customer

Thank you for purchasing this Stellar Labs 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 selection of HDMI Converter, switches, extenders, matrices and splitters are designed to make your AV device use more convenient, comfortable, productive and cost-efficient.

This unit is a 4x2 HDMI Switch Matrix that supports ARC, 3D and 4K2K, which can easily switch between four HD Sources and two HD Displays. This matrix supports the ARC function that can return audio back from the TV to the AV receiver.

Our devices offer solutions for noise, space, security concerns, data center control, information distribution, conference room presentations, schools, 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.
- Supports Full HD 1080P, Full 3D
- Supports 4K*2K resolution
- Supports deep color 30bit, 36bit, 48bit
- Supports Blue-Ray 24/50/60Hz HD-DVD/WVCC
- Digital audio format, as DIS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Supports signal retriving
- Supports input up to 1.5metres 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

Contents:

- | | | |
|----|-------------------|---------|
| 1. | HDMI Switch | 1 piece |
| 2. | 5V power adapter | 1 piece |
| 3. | User manual | 1 piece |
| 4. | Remote | 1 piece |
| 5. | MHL to HDMI cable | 1 piece |



Figure 1 Front Panel

- | | |
|----------|---|
| 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 |

Audio: This button switches the Audio output mode; you can cycle through 5.1CH, 2.0CH, and ADV [Advance Audio.] When using the 5.1CH audio mode, the digital audio signal must be DTS/DOLBY-AC3, or the output will have no sound. If this happens, switch to 2CH audio mode. When switched to the ADV [Advance Audio] mode, the audio output format will be decided by the unit's processor. The switch will output a 7.1CH audio signal, but the AV receiver will need to decode the signal.

Auto: Auto Detect Button for the Input Signal

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

SPDIF: SPDIF and headphone audio ON/OFF switch.

ON/OFF: Standby Led Light

ON/OFF: Power On/Off Button



Figure 2 rear panel

- | | |
|----------------------|--------------------------------|
| DC 5V: | 5V DC-DC Power Interface |
| MHL/HDMI IN: | 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 |
| ON/OFF: | ARC Led Status Light |
| ON/OFF: | 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.
4. Connect audio output SPDIF or COAX with stereo Equipment.
5. Use the RMT-IR remote control port to remotely switch between sources.
6. Connect 5V power supply to the HDMI 4x2HIFI Matrix.
7. 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.

SPECIFICATIONS

HDMI STANDARD..... HDMI support 4K*2K input and 3D
HDMI resolution24/50/60Hz/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 TMSDS 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).....9.8" x 1" x 2.6"
Weight.....13.4 oz

IR Remote Functions



- Pull out the plastic film that is inserted into the rear of remote board
- The A and B buttons represent the A and B outputs
- ARC: ARC Function On/Off Key(only the HDMI output A port supports ARC function).
- SPDIF: SPDIF and headphone audio ON/OFF switch
- 2CH: 2 channel stereo mode.
- 5.1CH: 5.1 channel mode.
- ADV: Advance Audio model

Notes:

- Please use this device as the instructions have described to improve the longevity and safety of the unit.
- 1.The unit should be placed in a location away from damp, high-temperature, dusty, erosive, and oxidative conditions.
 - 2.Please hold the power adapter head and do not pull the power cord when disconnecting from the socket.
 - 3.Please turn the power off when the unit is not being used for long time.
 - 4.Please use the original factory power adapter.

Troubleshooting

Issue	Cause and Ways to deal with
No Power	<ol style="list-style-type: none"> 1. Make sure the power plug is inserted securely into the unit. 2. Check the power source to make sure it is connected to an outlet.
No Picture	<ol style="list-style-type: none"> 1. Make sure the monitor is on and connected to the unit. 2. Make sure the source is on and connected to the unit. 3. Check all connections to make sure they are secure. 4. Connect the source to the monitor to see if the issue with your other components. 5. Inspect your HDMI cable for damage.
Obscure Picture	<ol style="list-style-type: none"> 1. Connect the source to the monitor to see if the issue with your other components. 2. Inspect your HDMI cable for damage.
Remote Not Working	<ol style="list-style-type: none"> 1. Make sure the plastic tab is removed from the battery compartment. 2. Make sure the battery has a charge.

Warranty

This device is warranted against manufactures defects for a period of one year from the date of purchase from the dealer. This warranty extends solely to the repair or replacement of this product and does not cover additional costs, including but not limited to installation or removal of this product or any incidental or consequential damages. Nor does it cover damage due to improper use, storage or application of this device. Should a service issue arise within the one year period, please contact the dealer in which this device was purchased. It will be the sole decision of Stellar Labs to repair or replace any device found to be defective during this period.