

# USER MANUAL

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## HDR HDMI Splitter 1x2

(4K/60Hz/ HDCP2.2 )

**Model No: AA6024**

**Enjoy the vivid world!**

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## INTRODUCTION

### 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 converters, 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 1x2 HDMI Splitter that supports Full HD、3D、HDR&4K\*2K/60Hz uses a single HDMI source, accessing to multiple HDMI sinks. The Splitter allows one HDMI devices to be Splitter easily to two HDMI compatible monitors or projectors. The Splitter can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

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

### FEATURES

- One HDMI 2.0 input signal split to two HDMI 2.0 sink devices
- Support HDR
- Support 4K\*2K @60Hz resolution
- Support HDCP 1.4 to HDCP 2.2 conversion
- Support HDCP 2.2 to HDCP 1.4 conversion
- Support deep color 24bit, 30bit, 36bit
- Video Format Support: 4Kx2K/60Hz 10Bit YcbCr4:2:0; 4Kx2K/60Hz 12Bit YcbCr 4:2:0 ; 4Kx2K/60Hz 8Bit YcbCr 4:4:4/ YcbCR4:2:0(Note:It only support the standard HDMI Source YcbCR4:4:4 Signal)
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3 /DSD
- The HDMI Input Cable distance can be up to 10m and HDMI Output Cable distance can be up to 10 when transmit the 1080P signal by using standard AWG24 HDMI Cable; The HDMI Input Cable distance can be up to 5m and HDMI Output Cable distance can be up to 5m when transmit the 4Kx2Knal by using standard AWG24 HDMI Cable;

- Support signal retiming
- No loss of quality
- Installs in minutes
- Need DC5V/2A power supply

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

- 1、 Main unit                    1pcs
- 2、 5V Power Adaptor        1pcs



- 3、 one pc of Manual        1pcs

**Physical Connection Showing Picture:**

Figure 1.0 Panel Showing Picture

Power: Power LED

IN: Signal Input LED Light

OUT1- OUT1: Signal Output Led Light



Figure 1.1 rear panel showing picture

HDMI OUT1- HDMI OUT2: HDMI output interface

HDMI IN: HDMI input interface

DC 5V: 5V DC-DC Power interface

### **Operating and Connecting:**

1. Connect one cable from HDMI source devices into HDMI Splitter input.
2. Connect one cable from each display (monitor or projector) into the HDMI Splitter outputs.
3. Connect 5V power supply to the HDMI 1x2 Splitter.

### **SPECIFICATIONS:**

### **HDSP0010M1**

HDMI resolution .....4K@60Hz /4K@30Hz/3D/1080P/1080i/720p/576p/576i/480P/480i  
Support video color format ..... 24bit/deep color 30bit,36bit  
Support audio format.....DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD  
Max bandwidth.....600MHz  
Max baud rate.....18Gbps  
Input/Output TMDS signal ..... 0.5~1.5Volts p-p(TTL)  
Input/Output DDC signal ..... 5Volts p-p (TTL)  
Input cable distance..... ≤10m(1080P)/5M(4K) AWG24 HDMI standard cable  
Output cable distance.....≤10m(1080P)/5M(4K) AWG24 HDMI standard cable  
Max working current.....800mA  
Power adapter format..Input: .....AC (50HZ, 60HZ) :100V-240V; Output: DC5V/2A  
Operating Temperature range.....-0 to +40°C  
Storage Temperature range..... -20 to +60°C  
Operating Humidity range......5 to 85%RH (No Condensation)  
Storage Humidity range......5 to 95%RH (No Condensation)  
Dimension (L x W x H) .....95.5X53X21(mm)  
Weight.....134g

### **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 machine 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 adaptor.

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-Connected	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