

Thank you for purchasing SyncAV™ SSAV-1x2HDMI. For best results and your safety, please read the instructions and keep the manual for future reference.

■ Important!

- 1. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters.
- 2. Put product in dry and ventilated place for normal heat dissipation.
- 3. Keep product away from strong static and magnetic environment.

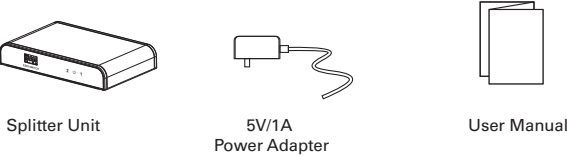
■ Introduction

1x2 HDMI splitter distributes 1 HDMI source to 2 HDMI displays simultaneously. Apply for STB, DVD, Media Player, Laptop, D-VHS and other HD-Player devices. It's compatible with HDMI 3D and 4Kx2K.

■ Features

- 1. Distribute 1 HDMI source to 2 HDMI displays
- 2. Support ultra HD resolution 4Kx2K@60Hz
- 3. Support HDMI 3D
- 4. With EDID function
- 5. Support HDR
- 6. HDMI 2.0 and HDCP2.2 compliant
- 7. Low power consumption
- 8. Plug and play

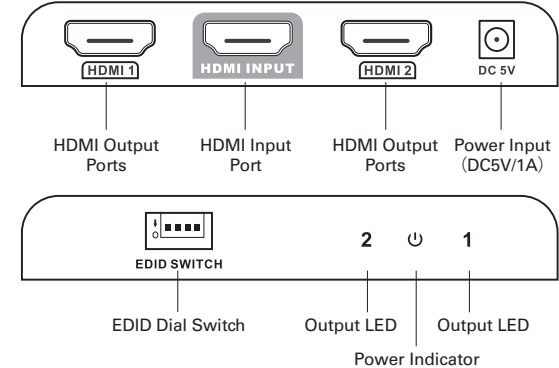
■ What's in the Box



■ Installation Requirement

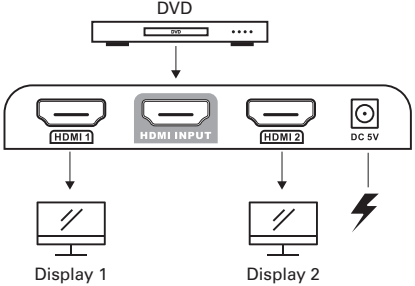
- 1. Source: HDMI video source, such as DVD, PS3, STB, PC, Etc.
- 2. Display: HDTV, projector or other display with HDMI port
- 3. Cable: High standard HDMI cable (can support 4Kx2K)

■ Interface Specification



■ Installation

1. Connection



- 1. Connect the HDMI video source output port to the splitter input port by HDMI cable
- 2. Connect the splitter output port to HDMI display by HDMI cable
- 3. Set the TV input to right HDMI channel
- 4. Power on the splitter(Power indicator LED will light on)

2. Operation

- 1. Before output HDMI signal, the splitter will read EDID information of connected TVs and send it back to HDMI source part to let it determine the output mode
- 2. Indicator LED shows the working status
- 3. The splitter is build-in 16 kinds of EDID that can be selected by 4 switch codes, corresponding as following



Switch Status	1	2	3	4	EDID information
	0	0	0	0	4k@60Hz 2CH
	1	0	0	0	4k@60Hz 7.1CH
	0	1	0	0	4k@30Hz 2CH
	1	1	0	0	4k@30Hz 7.1CH
	0	0	1	0	1080p@60Hz 2CH
	1	0	1	0	1080p@60Hz 7.1CH
	0	1	1	0	1080i@60Hz 2CH
	1	1	1	0	1080i@60Hz 7.1CH
	0	0	0	1	1080p@50Hz 2CH
	1	0	0	1	1080p@50Hz 7.1CH
	0	1	0	1	4K@30Hz HDR
	1	1	0	1	4K@60Hz HDR
	0	0	1	1	Copy once
	1	0	1	1	MIX1
	0	1	1	1	MIX2
	1	1	1	1	MIX3

[NOTE]

Copy Once: Read the EDID of the first connected output only  
MIX1: Lowest format of audio, and lowest format of video  
MIX2: Highest format of audio, and compose down scaling of video  
MIX3: Lowest format of audio, and compose down scaling of video  
Compose down scaling: Only HDMI 4K@60Hz (YCbCr4:4:4 or YCbCr4:2:0) signal, would be downscale to 1080P@60Hz

## ■ FAQ

Q: No image output?

- A: 1 ) Check the power supply of splitter, make sure the power light is on.
- 2 ) Check if the HDMI cables connected well.
- 3 ) Check and make sure the TV has been set up to the right channel.
- 4 ) While connect with PC or notebook via HDMI, please make sure the output mode is mirror or extend.

Q: Display is unstable, splash screen, snowflakes or audio stuck?

- A: 1 ) Check and make sure all connections are good and correct.
- 2 ) Try to directly connect HDMI source to display, if it is the same, please change the source device.
- 3 ) Use high-quality HDMI cable for transmitting 4K×2K@60Hz UHD signal.

## ■ Specification

Items	Specifications
Input ports	1 x HDMI
Output ports	2 x HDMI
Power indicator LED	1 x LED
Signal indicator LED	2 x LED
HDMI Version	Compatible with DVI 1.0, HDMI 1.4, HDMI 2.0
HDCP Version	Compatible with HDCP 1.4, HDCP 2.2
HDMI Resolution	480i/480p/576i/576p/720p/1080i/1080p/ 4K×2K@24/25/30/60Hz
Frequency Range	25MHz~594MHz
Video form	Support 12 bit full HD video, 3D video and 4K×2K@30/60Hz ultra HD video
Input and output TMDS signal	0.7~1.2Vp-p(TMDS)
Input and output DDC signal	5Vp-p(TTL)
Audio	Support standard audio and DSD (Direct Stream Digital) and HD(HBR) audio
HDR	Support
Working temperature	0°C ~ 60°C
Power supply	DC5V/1A
Power consumption	<5W
Dimension	96mm(L)x59mm(W)x16.8mm(H)
Weight	100g
Colour	Black

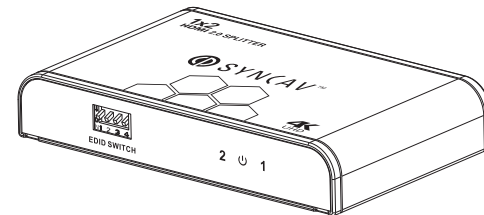
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We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, functionality or design.

# SYNCAV™ 1x2 HDMI SPLITTER



SSAV-1X2HDMI  
User Manual