Pro.2

1X2 Splitter/2x1 Switch

4K@60hz YUV4:4:4 18Gbps

Support HDCP2.2, HDR10

Model:HDMI2SPW

//// **OPERATION MANUAL**

HDMI In1   HDMI In2   Auido In   SPDIF In   1 3 5   Set Menu   2 4 6

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.

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Features

➢ HDMI 2.0 version (Support 4K@60Hz YUV4:4:4)
➢ Bandwidth upto 18Gbps
➢ HDCP2.2/ HDCP1.4
➢ Support 3D,HDR10,Dolby vision and DTS
➢ Support 2xHDMI in, 2xHDMI out
➢ EDID management and Down Scaler functions
➢ Support Analog 3.5mm stereo out /SPDIF out audio extraction
➢ Support Analog 3.5mm stereo/SPDIF in audio embedded
➢ Support power off memory function

3. **Default EDID**: When the EDID is default, LED 4 light will be off. The unit is default to 4K60 EDID.

Note:
1. This product has downscale feature when the EDID is set to Copy or Default, but not in mixed mode. It also downscale the resolution only, not the refresh rate though. Downscale doesn't support 4K60 422 input signal.
2. Set the EDID to default or copy mode, to have output 1 to 4K60 and output 2 to 1080P if the source is 4K60.

The firmware update for future references
Please open the software UART_ISP.exe on the PC, you need select the correct port and baud rate 115200, enter A1 in port, then you need select the program in path, and click UPDATE to complete the upgrade.
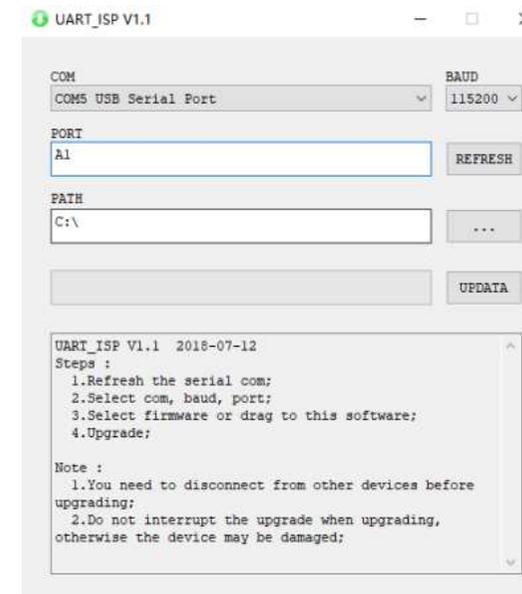
Application Diagram
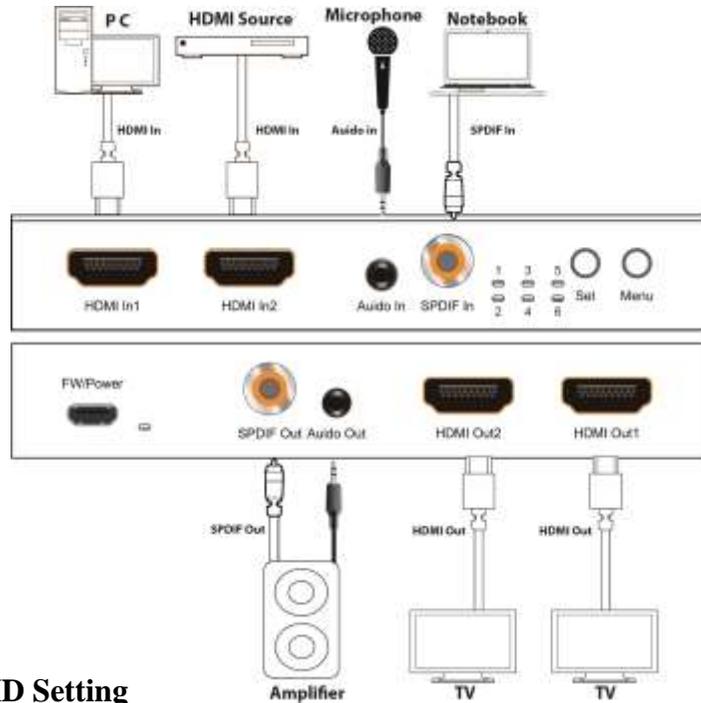
EDID Setting

1. **Copy EDID** : When EDID is in Copy mode, LED4 light will be on. The priority port is HDMI output 1, it will copy the output 2 EDID when output 1 is not in use. When the video source output is set to auto, if the ouput1 is 4K60 TV and the output 2 is 4K30/1080p TV, under the copy EDID mode, the output 1 will be 4K60, and the output 2 will be downscaled to 1080P60.

2. **Mixed EDID**: When EDID is in mixed mode, LED4 light will be flashing, a group of optimal EDID will be generated to ensure the source can be output to both TVs. It also keeps both settings in the memory, when any of the outputs is disconnected or not in use, another output will be still available. Under the mixed EDID mode, if output 1 is 4K60 TV, and output 2 is 4K30/1080p TV, both outputs will be set to 4K30 or 1080P depends on the output TVs.

Specifications

Operating Temperature Range	0°C to +40°C(+32°F to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Power supply	5V
Maximum power (work under 4K2K/60hz)	2W
Max resolution	4k@60hz YUV4:4:4
Function	HDR10 and Dolby vision
HDMI version	HDMI 2.0
HDCP version	HDCP2.2 / HDCP1.4
Control ways	Switch button and EDID
Distance	1080P: input 8m max; output 8m max 4k@30hz: input 8m max;output 8m max 4k@60hz-8bit: input 5m max;output 5m max
Dimensions(LxWxH)	121x68.2x20mm

Package Contents

1) 1x HDMI Switch

2) 1x 5V/1A DC power adapter

3) 1x User manual

Panel Description
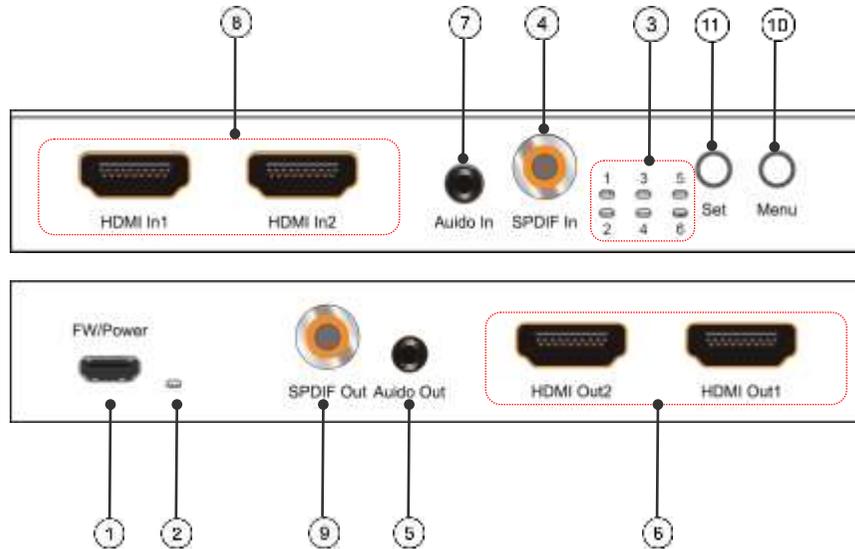
1. Power and Firmware upgrade USB port   2. Power Indicator
3. Indicator light   4. SPDIF In
5. Audio out   6. HDMI output
7. Audio in   8. HDMI input
9. SPDIF out   10.Menu button
11.SET button:

Setting Instruction

1. Hold the "Menu" button for at least 2 seconds and release, the LED lights will flash.
2. Short press the "Menu" button, the LED 3,4,5,6 will light up one by one in a loop and can set "input source, EDID, Audio embed or extractor, Audio channel" individually.
3. Press the "Set" button to change the LED indicator to "On" "Blink" or "Off". (Refer to the function table)

For example, the HDMI2SPW is default to HDMI input 1, to select HDMI input 2, the instruction is:

1. Hold the "menu" button for 2 seconds and release it.
2. Short press the "menu" button till the LED 3 lights up, press the "set" button to set the LED 3 "ON";
3. Press the "set" button once again, the LED 3 will be "OFF" and unit is back to HDMI input 1.

Press and hold "Set" button 5S to restore factory settings.

List of functional indicator lights:

Function	N/A	N/A	Switch	EDID	Embedder /Extractor	Audio
LED Indicator	1	2	3	4	5	6
OFF	\	\	HDMI in 1	Default	Extractor	Bypass
Blink	\	\	\	Auto	SPDIF embed	5.1
ON	\	\	HDMI in 2	Copy	Analog embed	2.0

Application

1. Connect source devices with input ports of the switch by HDMI Cable.
2. Connect HDMI output port with TV or other HDMI sink devices by HDMI Cable.
3. Connect 5V POWER adaptor with DC power socket.
4. Power on