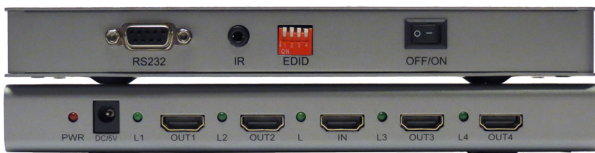
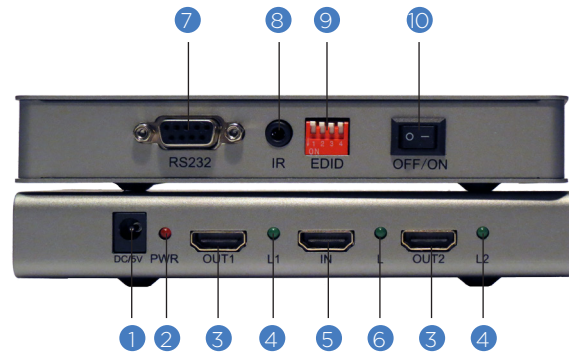


# AV-SPL-12/14/18

## Splitters

- 1 5V Power Interface
- 2 Power adapter indicator
- 3 HDMI output port
- 4 LED Output indicator
- 5 HDMI input port
- 6 LED Input Indicator
- 7 RS232 port, serial port online upgrade
- 8 IR TX Extension Interface (not in use)
- 9 DIP switch, using for EDID management
- 10 Power switch



## Description

These 1x2, 1x4 and 1x8 HDMI Splitters uses a single HDMI source, accessing to multiple HDMI sinks. It allows one HDMI device to be split easily to 2, 4 or 8 HDMI monitors or projectors. In addition, it can be placed at the end of a long HDMI cable to regenerate the HDMI signal. The resolution of this hdmi splitter can be up to 3840X2160/60Hz 4:4:4.

This product can support EDID management function, comes with eight kinds of EDID modes that the users can choose according to their own needs.

## Features

- Support HDMI 2.0, HDCP2.2, CEC
- Support 3D video format
- Support high resolution up to 3840X2160/60HZ
- Support the max baud rate of 18Gbps and TMDS clock can be up to 600 MHz
- Support 8/10/12 bit deep color
- Support premium HDMI standard cable:
- when the resolution is 1080p and below, input up to 8 meters, output to 8 meters.
- when the resolution is 4K, input up to 8 meters, output up to 8 meters.
- Support single HDMI source
- Support serial port for firmware
- Support EDID management
- 5V/2A power adapter

## Connection and Operation

- 1: connect the HD source to the splitter input with one hdmi cable
- 2: connect the splitter output to the diaplays with 2/4/8 hdmi cables
- 3: connect 5V/2A power adapter to the splitter

## Specifications

Item	AV-SPL-12	AV-SPL-14	AV-SPL-18
HDMI version	HDMI 2.0		
HDCP version	HDCP 2.2		
HDMI resolution	up to 3840*2160/60Hz		
Support video format	8/10/12bit Deep color		
Support audio format	DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD		
Max bandwidth	600MHz		
Max baud rate	6Gbps		
Input cable distance	(1080p resolution) ≤8m, (4K resolution) ≤8m AWG26 HDMI standard cable		
Output cable distance	(1080p resolution) ≤8m, (4K resolution) ≤8m AWG26 HDMI standard cable		
Max working current	1A	1.4 A	2A
Power adapter format	input AC (50Hz, 60Hz) 100V-240V; output: DC5V/2A output: DC5V/2A      output: DC5V/2A      output: DC5V/3A		
Operating Temperature range	(-15 to +55°C)		
Dimension product (Lxwxh)	154x60x24 (mm)	220x75x24 (mm)	310x90x24 (mm)
Weight product	335g	530g	854g
Dimension box (Lxwxh)	185x140x56 (mm)	240x160x56 (mm)	340x176x56 (mm)
Weight box	507g	769g	1213g

## DIP EDID Switch Description

DIP	1	2	3	4	
	x	0	0	0	: copy output1 EDID only
	x	0	0	1	: EDID MIX
	x	0	1	0	: EDID Download (RS232)
	x	0	1	1	: 4K x 2K 30Hz
	x	1	0	0	: 4K x 2K 60Hz
	x	1	0	1	: 1080P 3D 2ch
	x	1	1	0	: 1080P 2D 2ch
	x	1	1	1	: 1080P 2D 5.1ch

## Working Mode Description

There are two working mode for product, normal working mode and upgrading mode, which is decided by DIP EDID switch 1, 1 is upgrading mode, 0 is normal working mode.

## Output port

Only output1 can support CEC function, output 2/2-4 / 2-8 support IR extension function.

## Package include

1. HDMI splitter	x1pc
2. Power adapter	x1pc
3. User manual	x1pc
4. IR cable	x1pair