

2.0V HDMI Splitter 1x4, Support 3D, 4K*2K, 60HZ, with ADID



Introduction:

The 1x4 HDMI Splitter uses a single HDMI source, accessing to multiple HDMI sinks. It allows one HDMI device to be split easily to 4 HDMI compatible 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. This product can support EDID management function, comes with eight kinds of EDID mode, the users can choose according to their own needs. In addition, it is with built-in IR extension function, it can work with our HDMI 2.0 repeater which has IR-RX to receive the IR command to control the source.

Features:

- * Support HDMI 2.0, HDCP2.2
- * Support HDR
- * Support 3D video format
- * Support CEC (only output1)
- * Support high resolution up to 3840X2160/60HZ
- * Support the max baud rate of 6G and TMDS clock can be up to 600 MHz
- * Support 8/10/12 bit deep color
- * Support AWG26 HDMI standard cable:
 - 1) when the resolution is 1080p and below, input up to 8 meters, output to 8 meters.
 - 2) when the resolution is 4K, input up to 8 meters, output up to 8 meters.
- * Support single HDMI source accessing to multiple HDMI sinks, the source can be DVD player, A/V receiver, set top box and etc.
- * Built-in IR extension function. (it can work with our HDMI 2.0 repeater which has IR-RX to receive the IR command to remote control the source)
- * Support serial port online upgrade
- * Support EDID management
- * 5V/2A power adapter

Specifications:

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-true HD/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	1.4 A
Power adapter format	input AC (50Hz, 60Hz) 100V-240V; output: DC5V/2A
Operating Temperature range	(-15°C to +55°C)
Dimension (L x W x H)	211x78x27 (mm)
Weight	504g

Application diagrams



Audio-visual conference



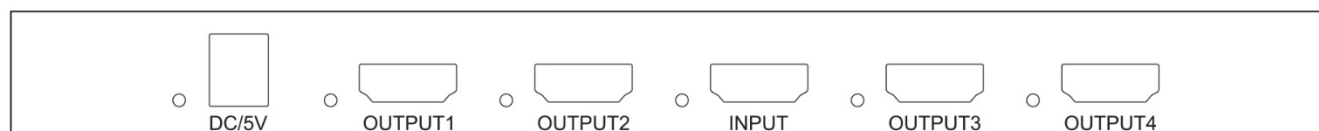
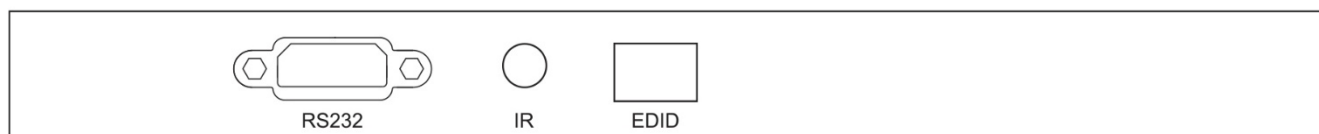
TV market



Home theater

User Manual

Physical interface diagram



Interface	Functional description
RS232	RS232 port, serial port online upgrade
IR	IR TX Extension Interface
EDID	DIP switch, using for EDID management
DC/5V	5V Power Interface
OUTPUT1-4	HDMI output port 1-4
INPUT	HDMI input port

IR Extension description

There is an IR TX Extension port, it can work with an optional HDMI 2.0 repeater which works as IR-RX and IR extended via HDMI cable.

DIP EDID Switch Description:

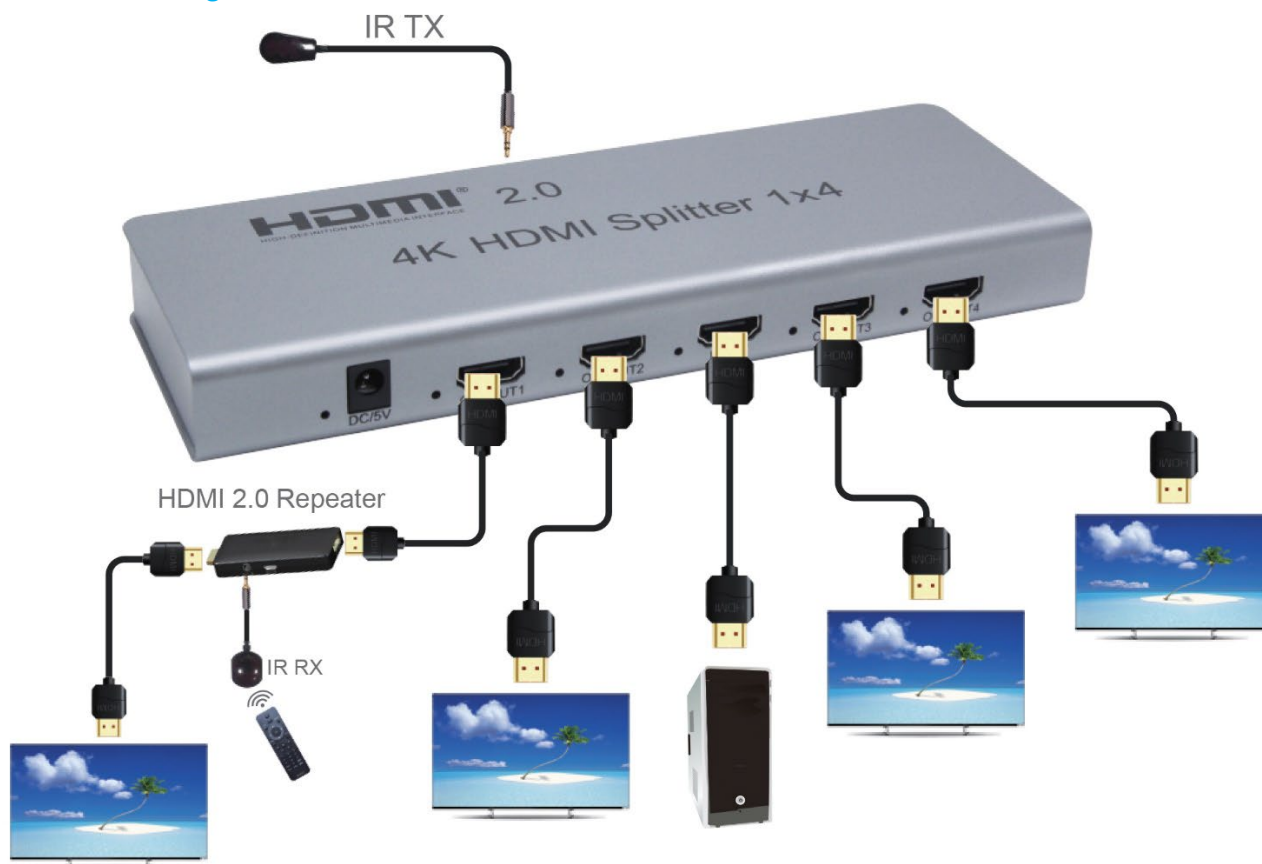
1	2	3	4	
X	0	0	0	copy output1 EDID only
X	0	0	1	EDID MIX (HDR)
X	0	1	0	EDID Download (RS232)
X	0	1	1	4K/30Hz 2ch
X	1	0	0	4K/60Hz 2ch
X	1	0	1	1080p 3D 2ch
X	1	1	0	1080p 2D 2ch
X	1	1	1	1080p 2D 5.1ch

DIP1 is used for upgrades, 1 is upgrading mode, 0 is normal working mode (switch down is 1, otherwise is 0)

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.

Connection diagrams



Connection and operation

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

The package includes

1. HDMI splitter 1pcs
2. Power adapter 1pcs
3. User manual 1pcs
4. IR cable (**optional**)
5. HDMI repeater (**optional**)