

USER MANUAL

1X4 HDMI splitter (4K@60Hz)

Enjoy the vivid world

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 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 up 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 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	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

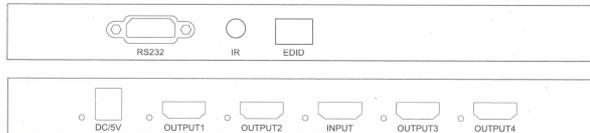


TV market



Home theater

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

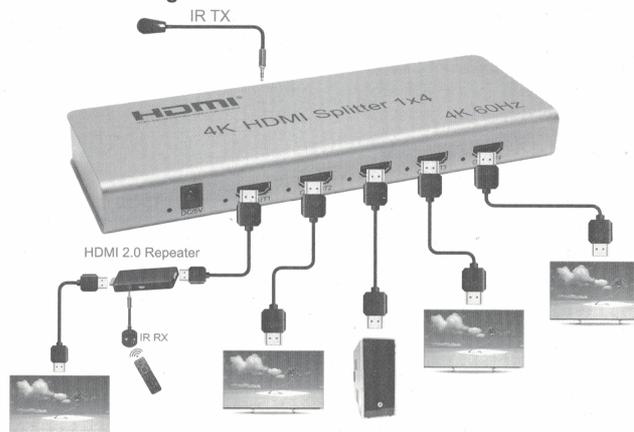
1	2	3	4	
X	0	0	0	copy output1 EDID only
X	0	0	1	EDID MIX (HDR)
X	0	1	0	EDID Download (RS232)
X	0	1	1	4K/30Hz 2ch
X	1	0	0	4K/60Hz 2ch
X	1	0	1	1080p 3D 2ch
X	1	1	0	1080p 2D 2ch
X	1	1	1	1080p 2D 5.1ch

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 diaplays with 4 hdmi cables
- 3: connect 5V/2A power adapter to the splitter

The package includes

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