

# HDMI 2.0 Splitter

## Manual

### HDMI 2.0 Splitter

#### I. Product introduction

HDMI is a high-definition multimedia interface, which has been widely used in flatscreen TVs, projectors, digital cameras, high-definition player, PC, mobile phone, tablet PC, vehicle electronic equipment such as a huge number of areas and has become indispensable in the consumer electronics video interface. Not only that, its version also to upgrade all the way to the HDMI 2.0 specification.

#### Major new features of the HDMI 2.0 specification

Compared to the previous generation 1.4b, the new HDMI 2.0 version conforms to the current market, greatly improves the transmission bandwidth and speed, and supports more new features.

##### ◆ HDMI 2.0 greatly increases transmission rates

The first is the transmission bandwidth and rate. The HDMI 2.0 specification supports a maximum transmission bandwidth of 18Gbps, which is much larger than the previous version, and this is achieved without the need for user to purchase new cables separately. By optimizing the transmission signal, it can transmit faster video lossless in the same cable.

##### ◆ Support for 4K ultra HD video signal of 50/60 frames

Now 4 k x 2 k ultra high resolution has become the trend of the industry. Many display devices and video capture device are beginning to support for 4k resolution, actually before the version of 1.4b is already support 4k, but the HDMI 2.0 frames increased to 4K@50Hz/60Hz, and before HDMI 1.4 is 4K@ 24Hz/30Hz. it make the picture more fluent, this is also the result of the transmission rate increases.

##### ◆ Support for dual-screen display

Back in the days of 3D displays, a number of manufacturers introduced devices that could simultaneously display two images on the same screen, allowing two people to see completely different pictures while wearing different glasses ( for example: Sony's PlayStation series). In addition to requiring



a very high refresh rate for the display (at least 240Hz), this also requires smooth video transmission, which can fully support HDMI 2.0.

##### ◆ More powerful audio performance

Of course, in addition to video signals, the important reason why everyone has paid attention to the HDMI interface right away is that it can transmit audio signals at the same time. In a home theater system, the data volume of high-quality audio streams even exceeds the video signal greatly. So that signal support is also of great concern to many people.

##### ◆ HDMI 2.0 supports multiple audio streams

In the above, we have shown that HDMI 2.0 supports dual-picture display, The dual audio stream here also has the same meaning, which allow two users to receive signals from different audio channels at the same time.

##### ◆ Ultra-high audio sampling rate

With the support of ultra-high transmission rate, HDMI 2.0 can not only support higher resolution and more frames of video signals, but also transmit up to 1536khz audio sampling rate.

##### ◆ Dynamic video and audio synchronization

With improved technology and ultra-high transmission rate support, HDMI 2.0 supports the synchronization of audio and video streams without requiring individual user adjustments.

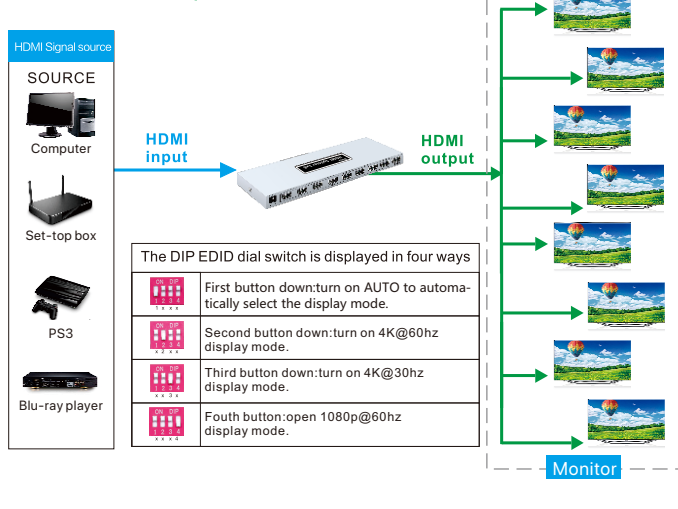
#### II. Product Parameters

1. HDMI supports 4K@50/60Hz, and HDCP2.2 is backward compatible.
2. HDMI2.0 bandwidth reaches 18Gbps, supports 1440p, 144Hz refresh rate and 1080P, 240Hz refresh rate.
3. Compatible with AMD FreeSync, an adaptive synchronization technology.
4. HDMI2.0 adds support for HDR (support for high dynamic range, advanced HDR10 format and HLG standard).



5. Up to 32 audio channels, up to 1536KHz audio sampling frequency, dual-screen multi-audio streams.
6. Support CEC extension and EDID management.

#### III. Connection diagram



#### IV. Product accessories

1. Product\*1pcs
2. Power adapter\*1pcs

(Note: Please check your accessories after unpacking. If the accessories are incomplete, please consult your supplier)



## Product Warranty Card

#### Customer Information

Model :	
Date of purchase :	
User telephone :	
User address :	
Distributor :	
Agency address :	
User telephone :	Dealer stamp valid

#### Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

