



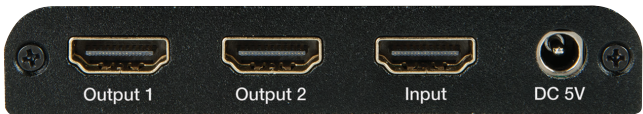
HD2-SP2

# 4k 2 Way HDMI Splitter

**HDCP  
V2.2**

User Guide

**HDMI™  
V2.0**



**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE

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## General Safety

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- For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Keep this manual for future reference.
- To prevent fire or shock hazard, do not expose any part of this device to rain or moisture.
- This product is for indoor use only
- The unit should not be exposed to direct sunlight, very high or low temperature, moisture, vibrations or dusty environments.
- Do not place the product in enclosed bookcases or racks without proper ventilation.
- Do not use abrasives, benzene, thinner or other solvents to clean the surface of the unit. To clean, disconnect the unit from the mains, wipe with a clean soft cloth and add a mild detergent solution if necessary.
- Do not disassemble the splitter or power supply they contain no user serviceable parts. Refer servicing to qualified personnel only.
- Do not overload wall outlets and extension cords as this can result in the risk of fire or electrical shock.
- SURGE PROTECTION DEVICE RECOMMENDED: This product contains sensitive electrical components that may be damaged by electrical spikes, surges, lightning strikes, etc.

## Introduction

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The Labgear range of 4k splitters are designed to split the HDMI signal from a single high resolution source to multiple displays without signal loss. They also have a backward IR function allowing remote control of the source from the display location.\*

- Compliant with HDMI2.0, HDCP2.2 and DVI 1.0
- Support video format up to 4k2k@30Hz with 24bit RGB/YcBcR 4:4:4/YCBCR 4:2:2 and up to 4k2k@60Hz with 12bit YCBCR 4:2:0
- Support 3D frame sequential video format up to 1080p@60
- Support high resolution VESA mode video format up to QSXGA@60Hz
- Support LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio
- Support smart EDID control
- Support Remote IR System for controlling a source from any connected display

## Box Contents

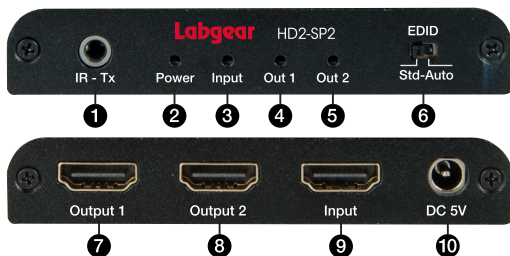
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- 1x 2 Way HDMI Splitter
- 1x 5V= 1A Power adaptor
- 1x User guide

## Specifications

Video Bandwidth	300MHz / 10.2 Gbps
Input Ports	1 × HDMI
Output Ports	2 × HDMI
Output Resolution	480i ~ 1080p 50/60Hz, 4Kx2K@24/30Hz, YCBCR 4:2:0
ESD Protection (Human Body model:)	±8 kV (air-gap discharge) ±4 kV (contact discharge)
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions	96mm (W) × 56mm (D) × 17mm (H)
Weight	100g
Chassis Material	Metal
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60 °C / -4°F ~ 140°F
Relative Humidity	20 ~ 90 % RH (non-condensing)
Power Consumption (Max)	2W

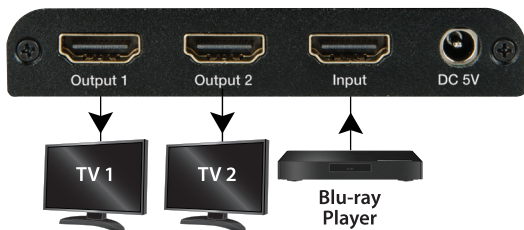
## Operation - Panels and Functions



1. IR - Tx: 3.5mm IR Emitter socket for IR control.
2. Power: Blue LED indicates power supply connection.
3. Input: Blue LED indicates Source to splitter unit.
4. Out 1: Blue LED indicates an active TV/display/monitor is connected to HDMI Output 1.
5. Out 2: Blue LED indicates an active TV/display/monitor is connected to HDMI Output 2.
6. EDID Std: When in 'Std' mode, the EDID will be set to output 1080p@60Hz video and LPCM 2CH Stereo audio. Use this mode if there are display problems in 'Auto' Mode.  
EDID Auto: When in 'Auto' mode, the unit will read the EDID settings of the display device connected to HDMI OUT 1. If it detects a 4K2K capable EDID setting it will transmit the signal in that format to all outputs. If no 4K2K capable EDID is detected then the unit will output the best resolution that all displays can support.

7. HDMI Output 1: Connects HDMI Output 1 to an HDMI display for simultaneous HDMI distribution, or connects to another transmitter to extend the operating distance.
8. HDMI Output 2: Connects the HDMI Output 2 to an HDMI display/other transmitter.
9. HDMI Input: Connects the HDMI or DVI output of your source device such as a DVD player or set-top box via an HDMI cable.
10. DC 5V: Connects the splitter unit to the 5V DC PSU supplied which is then plugged into a mains socket.

## Typical Setup

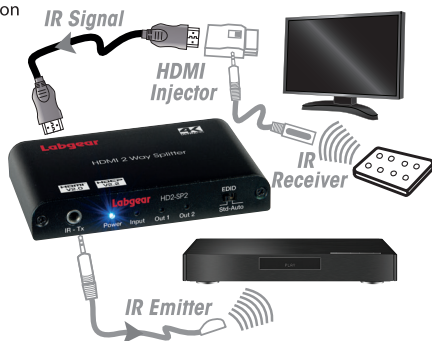


## Remote IR System

The Remote IR System in conjunction with the HD2 IRK IR Extender Kit (sold separately) allows you to control your source device from the location of the display using the source remote control.

HD2 IRK Kit comprises:

- 1x IR Receiver
- 1x IR Emitter
- 1x HDMI Injector



## Customer Careline

If you experience any problems setting up your splitter or have any other queries, please call the Labgear Customer Care Line: **08457 573 479** - (Local Rate UK only).

Alternatively, please visit our website at [www.labgear.co.uk](http://www.labgear.co.uk)



Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

