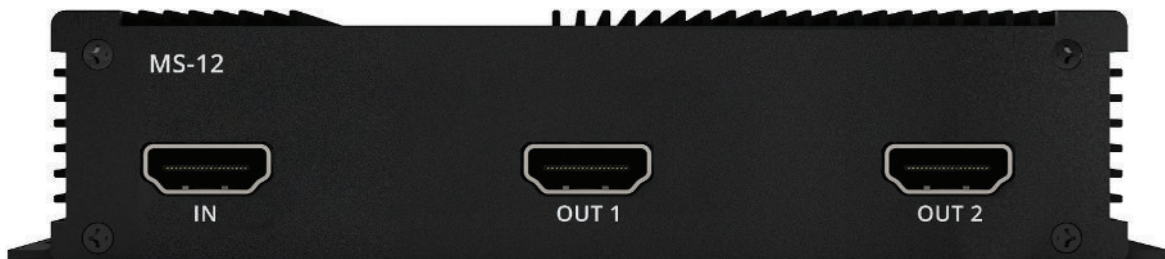




User Guide

MS-12

18Gbps 1x2 HDMI Splitter



Contents

Introduction	03
Key Features	03
Operation Controls and Functions	04
Application Example	05
Specifications	06
Package Contents	06

Notices

- This MSolutions product contains electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection is highly recommended in order to protect and extend the life of your equipment.
- The transmission distances of data over Cat cables are measured using TE CONNECTIVITY 1427071-6 EIA/TIA-568B termination (T568B) of cables is recommended for optimal performance. To minimise interference of unshielded twisted pairs in the CAT5e/6 cable, do not run the Cat5e/6/6a cabling with or in close parallel proximity to mains power cables.
- Do not substitute or use any other power supply other than the enclosed unit, or an MSolutions approved replacement. Do not disassemble either the Transmitter or Receiver units for any reason. Doing so will void the manufacturer’s warranty.
- MSolutions reserves the right to change the specifications of this unit without prior notice. As a result of this, physical representations or graphical elements contained within this user guide may not be accurate.

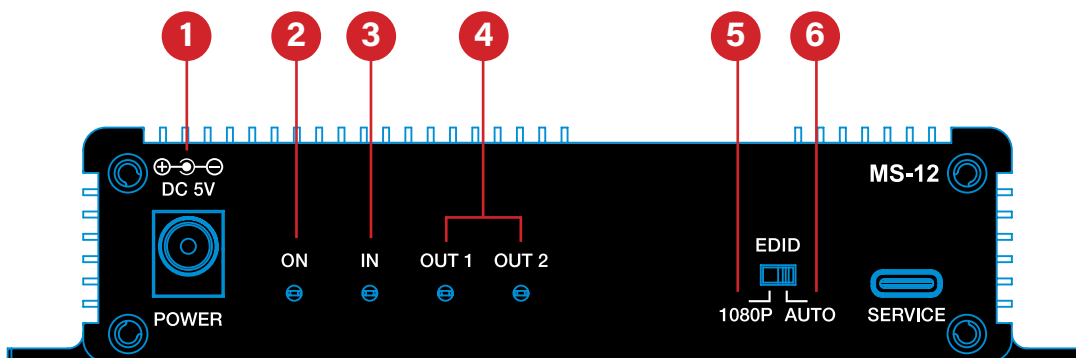
Introduction

This 1x2 HDMI Splitter is an advanced solution for splitting an HDMI content to 2 HDMI outputs synchronously. It provides high performance audio and video up to 4K2K@60Hz (4:4:4) and is capable of receiving, retiming and transmitting up to 18Gbps of bandwidth with no data loss.

Key Features

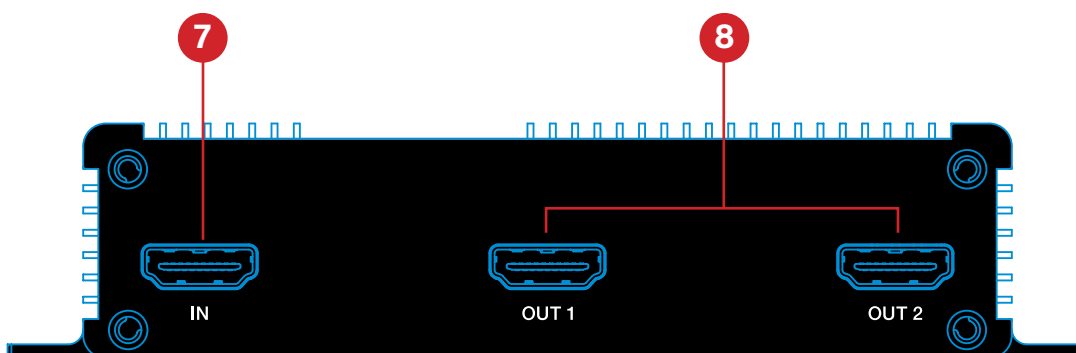
- HDCP 2.2 compliant
- Video resolution up to 4K2K@60Hz with 24bit RGB/YCBCR 4:4:4, as specified in HDMI 2.0b
- VESA format up to QSXGA@60Hz
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Built-in equalizer, retiming and driver
- Smart EDID, fixed 1080p mode and AUTO mode
- Compact design for an easy and flexible installation

Operation Controls & Functions



Front panel:

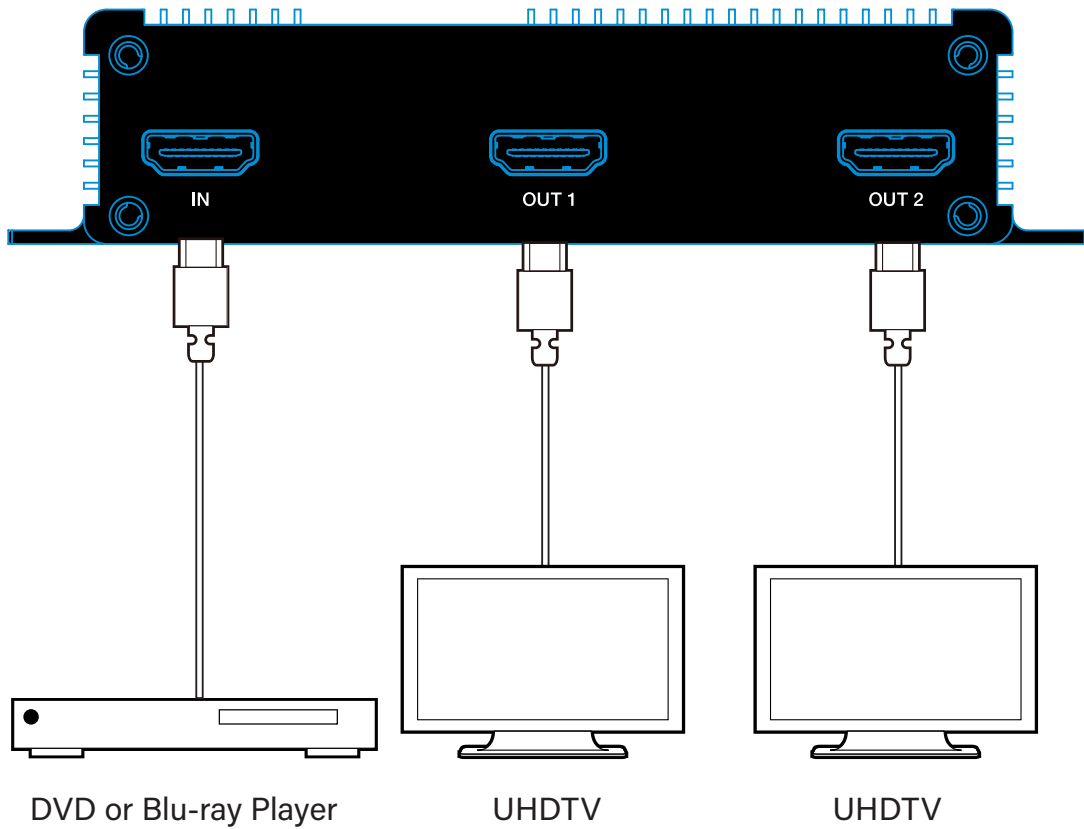
- 1 DC 5V – Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.
- 2 POWER LED – The green LED will be on when the unit is connected with power supply.
- 3 In LED – The green LED will be on when the unit is connected to the source device.
- 4 OUT 1~2 LED – These green LEDs will light up to indicate which HDMI output is connected to an active auto/display/monitor.
- 5 EDID 1080P – When in 1080P mode, the unit will use its own built-in EDID settings. In this mode, the video output will be set to 1080p@60Hz and the audio output at LPCM 2CH Stereo.
- 6 EDID AUTO – When in AUTO mode, the unit will read the EDID settings of the display device connected to the OUT 1 port.



Back panel:

- 7 IN – Connect the input port to the HDMI output of your source device such as a DVD player or set-top box with an HDMI cable.
- 8 OUT 1~2 – Connect each of the HDMI outputs to an HDMI display for simultaneous HDMI distribution, or cascade the output to another splitter to extend the operating distance.

Application Example



Specifications

Technical:

- HDMI Compliance: HDMI 2.0b
 - HDCP Compliance: HDCP 2.2
 - Video Bandwidth: 600MHz/18Gbps
 - Input Port: 1×HDMI Type A (19-pin female)
 - Output Ports: 2×HDMI Type A (19-pin female)
 - Video Resolution: 4K2K@24/25/30/60Hz
 - ESD Protection: IEC 61000-4-2: ±8kV (Air-gap discharge)
- ## Mechanical:
- Chassis Material: Metal Enclosure
 - Color: Black
 - Dimensions (W x D x H): 135 X 70 X 31mm
 - Weight: 165g
 - Power Supply: Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A
 - Power Consumption: 2W
 - Operating temperature: 0°C ~ 40°C / 32°F ~ 104°F
 - Storage temperature: -20°C ~ 60°C / -4°F ~ 140°F
 - Operating humidity: 20%~80% relative humidity, non-condensing
 - Storage Humidity: 10%~90% (relative humidity, non-condensing)

Package Contents

- 1× 18Gbps 1×2 HDMI Splitter
- 1× 5V/1A Power Adapter
- 1× User Manual

 **Solutions**

www.m4sol.com