

User Manual

HS12E-18G

1x2 HDMI 2.0 Splitter

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This 18GHz HDMI 2.0 splitter offers a solution to distribute an HDMI signal to 2 display devices. This splitter supports up to 4K2K @50/60Hz HDMI 2.0 signals with compliance to HDCP 2.2. They are ideal in a variety of situations from digital signage, residential, conference rooms and education establishments.

Features

- Split a single HDMI input to 2 outputs
- Supports all resolutions up to HDMI 2.0 (18GHz) (4K @60Hz with 12-bit YCbCr 4:4:4)
- Supports 3D at 1080p @60Hz and Compliant with HDCP 2.2
- Supports audio formats including LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Smart EDID control

Usage Precautions

This HDMI Splitters should be installed in a clean environment that has adequate ventilation, temperature and humidity control.

All switches, plugs, sockets and power cables must be insulated and safety approved. All devices should be connected before powering on.

Panel Descriptions

Front Panel



Item	Description
Numbered LEDs	Lit when an HDMI signal is being sent from the indicated HDMI output
Power LED	Indicates that the splitter is powered up
EDID Switch	Select one of several EDID options

Connection Procedure

- Connect an HDMI source device (e.g. BluRay or DVD) to the HDMI IN connector.
- Connect display devices to the HDMI output connectors as required.
- Connect the 5V PSU provided to the DC input connector.

Rear Panel



Item	Description
HDMI IN	HDMI signal input connector
HDMI 1 & HDMI 2	HDMI output connectors
Power Input	5V DC

EDID Management

The front panel EDID switch provides a range of EDID options as detailed in the following table:

1234	EDID Setting
0000	4K60 2ch
0001	4K60 5.1ch
0010	4K60 7.1ch
0011	4K30 2ch
0100	4K30 5.1ch
0101	4K30 7.1ch

0110	1080p60 2ch
0111	1080p60 5.1ch
1000	1080p60 7.1ch
1001	1080i60 2ch
1010	1080i60 5.1ch
1011	1080i60 7.1ch
1100	Pass Through
1101	MIX 1
1110	MIX 2
1111	HD1 Only

Pass Through Mode

This mode automatically passes the EDID settings from the display device connected to the lowest numbered output port. Thus, the EDID settings of any display device connected to output 1 always overrides the EDID settings of the display device connected to output 2.

MIX 1

This mode combines the EDID settings of the display devices a select the lowest compatible video resolution and the lowest compatible audio setting.

MIX 2

This mode combines the EDID settings of the display devices and selects the lowest compatible video resolution and the highest compatible audio setting.

HD1 ONLY

This mode will only pass through the EDID from the display device connected to output 1.

Specifications

Connectors

Video Output	2x female HDMI (Type-A)
Video Inputs	1 x female HDMI (Type-A)

Controls

Panel Control	EDID Mode Switch
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Video General	
Resolutions	All resolutions up to 4K2K @ 60Hz, 12-bit YCbCr 4:4:4 (18GHz)
	480i – 1080i, 480p – 1080p, 1080p 3D, 4K2K 24/30/60 – All PC resolutions
	All PC VESA mode video format resolutions up to QSXGA @60Hz
Standards	HDMI 2.0, HDCP 2.2, CEC

General	
PSU	5V DC @ 1A
Consumption	< 5W
Dimension (W*H*D)	216 x 34.3 x 105.3 mm
Weight	655 g
Temperature	0 ~ 40°C
Humidity	10% ~ 90% (non-condensing)

After Sales Service

1. Should you experience any problems while using this product, firstly refer to the relevant section in this manual before contacting SY Technical Support.
2. When calling SY Technical Support, the following information should be provided:
 - Product name and model number
 - Product serial number
 - Details of the fault and any conditions under which the fault occurs.
3. This product has a two year standard warranty, beginning from the date of purchase as stated on the sales invoice. For full details please refer to our Terms and Conditions.
4. SY Product warranty is automatically void under any of the following conditions:
 - The product is already outside of its warranty period
 - Damage to the product due to incorrect usage or storage
 - Damage caused by unauthorised repairs
 - Damage caused by mistreatment of the product
5. Please direct any questions or problems you may have to your local dealer before contacting SY Electronics.