



1080p HDMI 1.3b Splitter 1:4

Installation Guide



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Rev 1.0

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Aavara® PS124 is a HDMI v1.3b 1080p distribution hub that sends the same HDMI video output to four HDMI HDTV digital screens. It is a flexible solution to integrate multiple displays in signage, video wall or demo shelf.

1.1 Features

- HDMI Specification 1.3b Compliant
- Support HDMI 36-bit Deep Color & x.v.Color wide color gamut
- Supports 480i, 480p, 576i, 576p, 720p, 1080i and 1080p resolution
- HDMI firmware upgradable*, no compatible issue
- Splits one HDMI signal input to four HDMI displays/TV/projectors
- CEC (Consumer Electronic Control) pass-thru (Output Channel 1)*
- Daisy Chain up to 3 layers /256 displays (4 x 8 x 8)
- Audio support Dolby® TrueHD & DTS-HD™ lossless 7.1 digital surround & Lip Sync
- DVI Specification 1.0 Compliant
- HDCP Rev1.2 specification Compliant
- Plug-and-play. Installs in seconds

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1.2 Technical Specifications

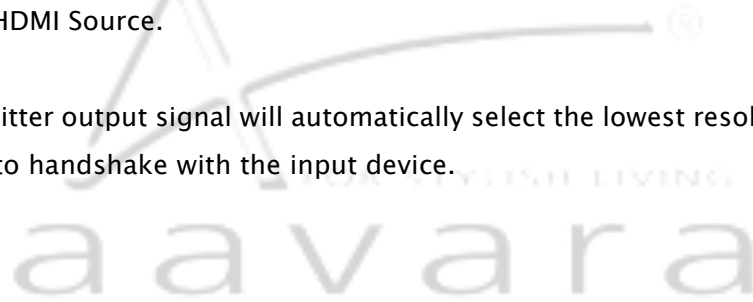
Model No.	PS128
HDMI Source Input Port	HDMI Single Link, TMDS. 1
Display Device Output Port	HDMI Single Link, TMDS. 4
Interface	<p>DC Power Jack x 1 HDMI Input Connector x 1 (F) HDMI Output Connector x 4 (G) USB port x 1 (E)</p>  <p>A Output Channel LED Indicator B Power LED Indicator D Adapter DC Input E USB Port for Firmware Upgrade F HDMI Input x 1 G HDMI Output x4 (Channel 1 Support CEC Pass-Thru)</p>
Video Bandwidth	225 MHz
Single Link Range	480i, 480p, 576i, 576p, 1080i, 1080p
HDCP Function	HDCP Rev. 1.2 Compliant
Cable Length	5M (in and Out respectively)
Operation temperature	+5°C to +35°C
Storage temperature	-20°C to +60°C
Humidity Range	5% to 90% RH
Signal Rate	6.75Gbps
Power Adapter	5 VDC
Enclosure	Metal

Dimension (mm)	245(W) x 107(D) x 27(H) mm
Net Weight (g)	690 g

Chapter 2 Installation

1. Plug 5V wall-mounted power supply into the wall outlet.
2. Plug 5V power supply into the HDMI Splitter's power DC jack.
3. Connect the HDMI cable from the HDMI device into the HDMI Splitter Input.
4. Connect the HDMI cable from your HDMI Splitter Output 1 to your first Display (LCD TV or projector).
5. Repeat step 2 till all your displays are connected to the HDMI Splitter output port.
6. Power on the HDMI Splitter.
7. Power on your HDMI Display.
8. Power on your HDMI Source.

Note: The HDMI Splitter output signal will automatically select the lowest resolution among multiple displays/projector to handshake with the input device.



Chapter 3 Troubleshooting

Problem	Solution
HDMI Splitter does not work	<ol style="list-style-type: none"> 1. Make sure the 5V power is plugged in the HDMI Splitter 1:4. 2. Check to see if the LED light is on.
No Signal or poor picture	<ol style="list-style-type: none"> 1. Make sure your video display is HDCP compliant. 2. Plug your HDMI cable to source and display directly, if there is no signal or poor picture, please change another cable. 3. Make sure all HDMI connectors are tightly secured to all HDMI ports. 4. Turn off all equipments and restart all equipments.

※ If the HDMI Splitter has HDCP compliant issue, please contact your video source device and display/projector seller for HDCP compliant

• CEC



CEC (Consumer Electronic Control) Syncs / Touch Control, simplifying home theater ambiance.



High-bandwidth Digital Content Protection (HDCP) is a form of digital copy protection to prevent copying of digital audio and video content as it travels across DisplayPort, Digital Visual Interface (DVI), High-Definition Multimedia Interface (HDMI)



DTS-HD Master Audio is a lossless audio codec created by Digital Theater System. It was previously known as DTS++ and DTS-HD



1080p is the shorthand name for a category of display resolutions. The number "1080" represents 1,080 lines of vertical resolution (1080 horizontal scan lines while the letter "p" stands for progressive scan. 1080p can be referred to as full HD or full high definition to differentiate it from other HDTV video modes



HDMI 1.3 incorporates an automatic audio/video syncing capability that allows devices to perform this synchronization automatically with accuracy



The Digital Visual Interface (DVI) is a video interface standard designed to maximize the visual quality of digital display devices such as flat panel LCD computer displays and digital projectors.



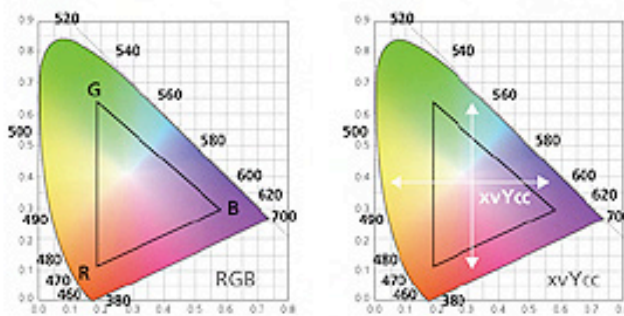
Consumer Electronic Control Pass-Through allows one TV remote to sync interoperability between display/projector and HDMI AV device connected . (output CH1) . Alternative names for CEC:SAMSUNG-Anynet+, TOSHIBA-CE-Link, Regza Link, PANASONIC /JVC-VIERA Link™, EZ-SYNE, SONY-Bravia Theater Sync, LG-SimpLink, SHARP-Aquos Link, MITSUBISHI-NetCommand, Philips-Easylink, Onkyo-RIHD.



120/100Hz double frame rate, which twice as fast as that of standard 60/50Hz HDTVs, to enhanced motion-blur reduction on very fast panning scenes or fast-action sports for the ultimate flat-panel TV watching experience.



Enables HDTVs display colors more accurately and purely, boarder color space supports 1.8 times as many colors as existing HDTV signals.



Up to 10.2Gbps to support hi-definition display device



Up to 16bit color per pixel color depth for smoother images, higher contrast ratio and eliminates color banding.

Color Depth	8-bit	10-bit	12-bit	16-bit
Possible Colors	17M	1B	69B	280T



Dolby TrueHD, from Dolby Laboratories, is an advanced lossless multi-channel audio codec, intended primarily for high-definition home-entertainment equipment, such as HD DVD and Blu-ray Disc.



HDMI (High-Definition Multimedia Interface) is the digital interface standard for connecting HD components. With just a single cable, HDMI transmits the highest quality digital video and audio between HD devices. Latest Spec. 1.3b.

- F/W Upgradeable:



New Version firmware is upgradable through USB from any of your USB devices.



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