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HDMI

HDMI0102SV3

1 to 2 4K HDMI splitter with auto scaling, EDID control & HDCP 2.2

User Guide



Important Safety Notice

Thank you for purchasing this Antiference HDMI distribution product. Please read the following instructions carefully and retain for future reference.

1. Please pay careful attention to the following safety considerations:
2. Do not place any items on the device
3. Ensure no liquids are on or near the device as splashes may damage the unit
4. For cleaning, use a damp cloth only without solvents
5. Do not attempt to open the case as there is a danger of electric shock
6. Repairs should be carried out by a qualified technician
7. Place the unit in a well ventilated area to prevent overheating
8. Carry out the installation before connecting the device to a source of power
9. Use only the supplied power supply as 3rd party products may damage the product

Introduction

This Antiference HDMI 2.0 HDR device splits a single 4K/1080p HDMI source to 2 points/displays over HDMI cables. The product features an auto scaling function allowing a combination of UHD & HD TV sets to be connected. The splitter manages the EDID from each TV and outputs the maximum resolution possible enabling all TVs to receive the content without having to downscale the source output.

This splitter is fully compatible with SKY Q and is a perfect choice to connect this source to a number of different TV sets simultaneously. HDCP 2.2 supported.

Features

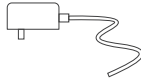
1. Distribute 1 HDMI source to 2 HDMI displays
2. Support Ultra HD resolution 4K×2K@60Hz
3. 3D Support
4. EDID function
5. Supports YUV 4:4:4
6. HDR supported
7. Supports automatic video resolution scaling allowing a mix of 4K & 1080p outputs
8. Plug and play system



Package contents



HDMI Splitter×1



DC5V/1A Power
Adapter×1

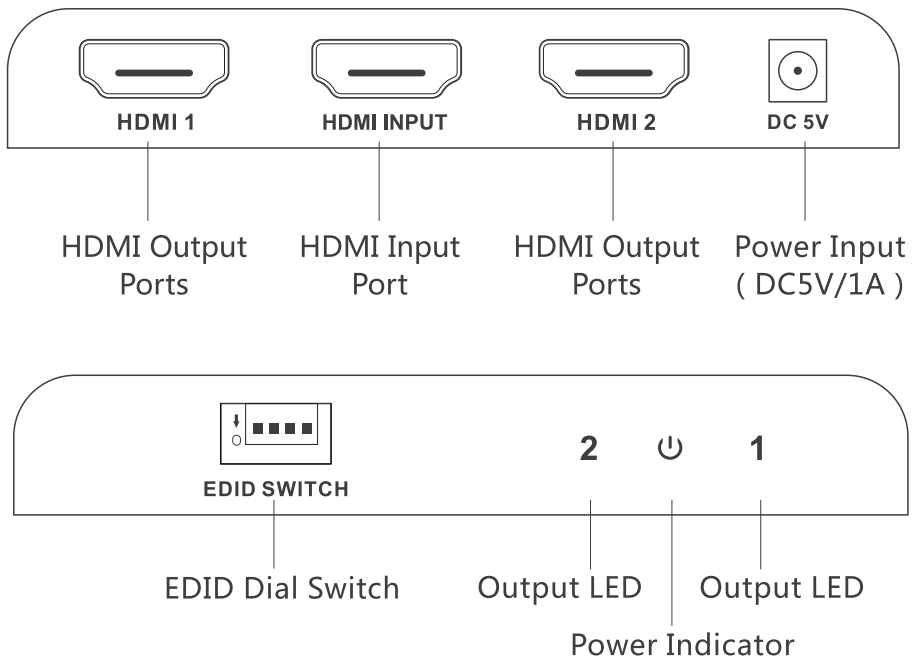


User Manual×1

Installation Requirement

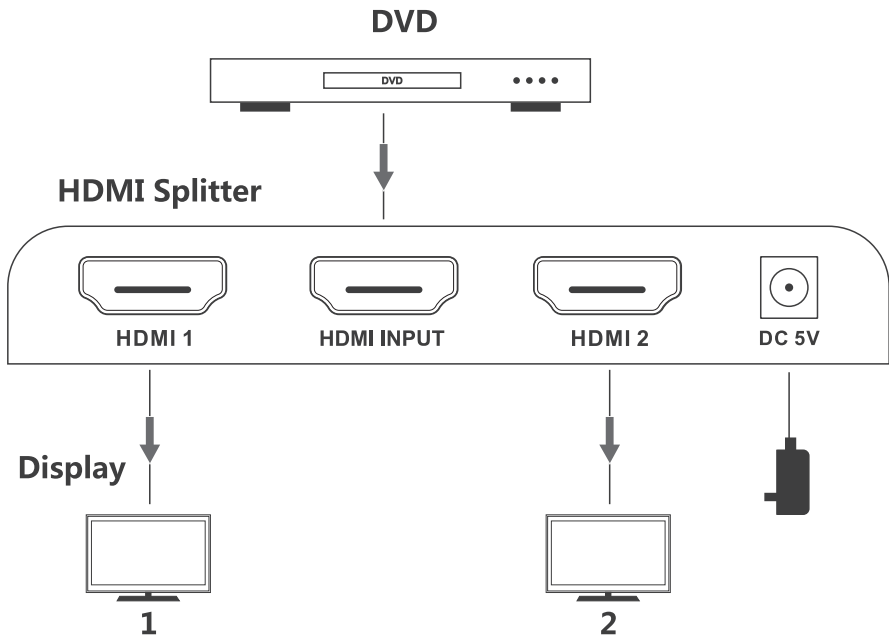
1. HDMI source device (SKY Q/HD, Blu Ray, PS3, Apple TV, CCTV etc)
2. HDMI display device(s) such as HDTV or projector with HDMI port.
3. High quality HDMI cable (supports 4Kx2K).

Interface Specification



Installation

1. Connections



1. Connect the HDMI video source device output port to the splitter input port via an HDMI cable
2. Connect the splitter output port to the HDMI display (TV) via HDMI cable
3. Power on the splitter (Power indicator led will light up)

2. Operation

1. Before the HDMI signal outputs, the splitter will read the EDID information of the connected TVs and send it back to HDMI source.
2. This process determines the output mode/resolution.
3. Indicator led shows the working status
4. The splitter features 16 EDID options to select from. These can be selected by the position of the EDID dip switches located on the front of the unit.

Details are in the table below:



Switch up for "1"



Switch down for "0"

Switch Status	1	2	3	4	EDID information
	0	0	0	0	4k@60Hz 2CH
	1	0	0	0	4k@60Hz 7.1CH
	0	1	0	0	4k@30Hz 2CH
	1	1	0	0	4k@30Hz 7.1CH
	0	0	1	0	1080p@60Hz 2CH
	1	0	1	0	1080p@60Hz 7.1CH
	0	1	1	0	1080i@60Hz 2CH
	1	1	1	0	1080i@60Hz 7.1CH
	0	0	0	1	1080p@50Hz 2CH
	1	0	0	1	1080P@50Hz 7.1CH
	0	1	0	1	4K@30Hz HDR
	1	1	0	1	4K@60Hz HDR
	0	0	1	1	Copy once
	1	0	1	1	MIX1
	0	1	1	1	MIX2
	1	1	1	1	MIX3

Notes:

COPY – reads the EDID of the display connected to output 1 only

MIX 1 – Lowest audio format, lowest video format

MIX 2 – Highest audio format, composed downscaled video

MIX 3 – Lowest audio format, composed downscaled video

Composed video downscaling ONLY supports HDMI 4K@60Hz 4:4:4 or 4:2:0 downscale to 1080p

FAQ

Q: No audio or video displayed

A:

- 1) Check the power supply to make sure the power light is on.
- 2) Ensure all the HDMI cables connected properly.
- 3) Check and make sure the correct HDMI input is selected on the TV.
- 4) If using a laptop, ensure the output setting is activated and display setting is duplicated or extended desktop

Q: Display is unstable, splash screen, snowflakes or audio stuck.

A:

- 1) Check and make sure all connections are good and correct.
- 2) Try connecting HDMI source to display, if it is the same, please change the source device.
- 3) Use high-quality high speed HDMI cable for transmitting 4K×2K UHD signal.

Specification

Items	Specifications
Input ports	1 x HDMI
Output ports	2 x HDMI
Power indicator led	1 xLED
Signal indicator led	2 xLED
HDMI Version	Compatible with HDMI1.4,HDMI2.0
HDCP Version	Compatible with HDCP1.4,HDCP2.2
HDMI Resolution	480i/480p/576i/576p/720p/1080i/1080p/ 4K×2K@24/25/30/60Hz

Frequency Range	25MHz~594MHz
Video form	Support 3D video and 4K×2K@30/60Hz ultra HD video
Input and output TMDs signal	0.7~1.2Vp-p(TMDs)
Input and output DDC signal	5Vp-p(TTL)
Audio	Support standard audio and DSD (Direct Stream Digital) and HD(HBR) audio
HDR	Support
EDID management	Support smart EDID management, available to display different resolution monitors at the same time
Working temperature	0°C ~ 60°C
Power supply	DC5V/1A
Power consumption	<2.5W
Dimension	96mm(L)x59mm(W)x16.8mm(H)
Weight	100g
Color	Black

Declaration of Conformity

We, ANTIFERENCE LIMITED herewith declare that the HDMI splitter kit complies with all essential requirements and any other applicable conditions set forth on directive 2014/30/EU.

According to the WEEE (Waste Electrical and Electronic Equipment) EU Directive, do not dispose of this product as household waste or commercial waste. Waste Electrical and Electronic Equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

A full declaration document can be found on our website www.antiference.co.uk
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