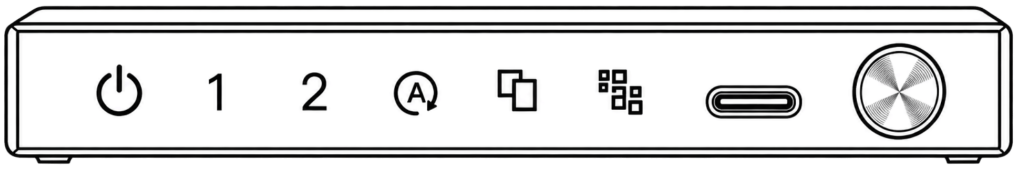
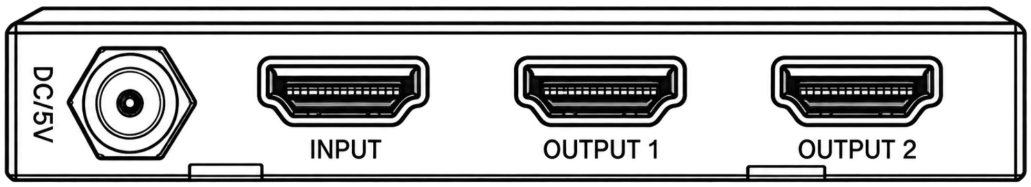
ZT-SP12MRO

ZT-411 | Zenty 18G 1x2 MRO HDMI Splitter

Scan to visit product page



ZT-SP12MRO • Front Panel



ZT-SP12MRO • Rear Panel

Product Description:

The ZT-SP12MRO supports 3 different EDID modes; Auto / Copy / Downscaler. In “Auto” mode, the unit gets the lower resolution and audio format of both outputs and signals the input device to output a compatible signal In “Copy” mode, the unit copies output 1’s resolution and audio format and sends it to both outputs In “Downscaler” mode, the unit can downscale 4K resolution to 1080P and sends the appropriate signal to each output Please note: MRO series splitters do not downscale to 720P, do not alter scan types (Progressive vs. Interlaced), and do not downscale HDR metadata (HDR/HDR10/Dolby Vision).

Key Features:

- Supports up to 4K@60Hz 4:4:4 resolution and is backwards compatible with lower resolutions
- Features multi-resolution output function via the EDID button, and features 3 options; Auto / Copy / Downscaler (see description for more details)
- Allows users to split a single HDMI audio/video signal to up to 2 displays simultaneously
- HDMI 2.0 standard and HDCP 2.2 / 1.4 compliant with support for HDR video format
- Supports uncompressed audio such as LPCM and compressed audio such as DTS, Dolby Digital, (including DTS-HD Master Audio and Dolby TrueHD)

In the Box:

1 x Splitter

1 x Power Adapter

1 x User Manual

Specifications

VIDEO	
Color space / chroma subsampling	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Colorimetry	Rec.601, Rec.709, BT.2020, DCI-P3 D65
Deep color	8-bit, 10-bit, 12-bit per channel (24, 30, 36-bit total)
HDMI version	HDMI 2.0
HDR pass-through	HDR10
Max pixel clock	600MHz
Supported resolutions	480i, 576i, 1080i, 480p, 576p, 720p, 1080p, 4K@24/30Hz, 4K@50/60Hz
Video bandwidth	18Gbps total, 6Gbps per channel
Video input formats	4K@60Hz 4:4:4, 8-bit, 4K@60Hz 4:2:0, up to 12-bit, 4K@30Hz 4:4:4, 1080p@60Hz 4:4:4
Video output formats	Same as video input formats, in Auto and Copy EDID modes, Downscaler mode: 4K@60Hz to 1080p per output, 4:4:4 and 4:2:0 sources only

AUDIO	
HDMI audio output	LPCM 2.0, LPCM 5.1 / 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS 5.1, DTS-HD Master Audio, Pass-through only, no decoding
SPDIF audio output	No SPDIF port

Specifications (cont.)

HDMI, EDID & CONTROL	
Downscaler mode	4K@60Hz to 1080p, Per-output, each port set independently, Button selectable
EDID management	Copy from a chosen output - Output 1, Auto, lowest common format of both outputs, Downscaler mode, Button selectable
HDCP	HDCP 2.2, backward compatible with 1.4
Input ports	1x HDMI Type-A, 19-pin female
Output ports	2x HDMI Type-A, 19-pin female
Service / USB port	USB, firmware update, factory use only

GENERAL / PHYSICAL	
Certifications	FCC, CE, RoHS
Dimensions / net weight	90 x 44 x 14 mm, 87 g
Housing	Metal
Indicators	Power LED, HDMI output 1-2 LEDs, Auto mode LED, Copy mode LED, Downscaler mode LED
Limited warranty	5 years
Operating / storage humidity	5% to 90% RH, non-condensing
Operating / storage temperature	Operating 0°C to 70°C

POWER	
Power adapter standard	US, EU, UK, AU
Power consumption (max)	5W
Power supply	100-240V AC 50/60Hz in, 5V DC @ 1A out

ADDITIONAL	
Does not downscale to 720p	4K downscales to 1080p only
Downscaler source-format limitation	Only 4K@60Hz 4:4:4 and 4:2:0 HDR10 sources downscale to 1080p. A 4K@60Hz 4:2:2 Dolby Vision source gives no picture on the 1080p display
Maximum HDMI cable length by resolution	5m at 4K@60Hz 4:4:4, input and output; 10m at 4K@30Hz and 1080p
Model number	ZT-SP12MRO
Scan type and HDR metadata are never altered	The MRO series does not convert progressive to interlaced, and does not reduce HDR, HDR10 or Dolby Vision metadata when downscaling