PureTools - 48G Splitter Family

The Last Splitters You'll Ever Need

These five PureTools products form the most comprehensively useful HDMI splitter family ever devised. It delivers the cutting edge audiovisual performance of HDMI 2.1 at full 48Gbps FRL performance, as well as support for all other HDMI generations on the market. Enjoy stunning 8K HDR visuals, 120Hz VRR motion and all the latest video and audio codecs available. However, as not all systems have brand new components, we have made sure that there is support for legacy devices, resolutions, EDID's and all versions of HDCP! The 48G family is equipped with problem solving tools including EDID management, HDCP handshake correction and an innovative CEC On/Off switch, to guarantee seamless integration with your setup. With its advanced downscaling capabilities, even modern + legacy refits can work seamlessly together, ensuring full TV compatibility from 8K to 4K and 8K/4K to 1080p. Even audio de-embedding is possible over digital SPDIF and analogue 3.5mm. The most compatible splitter family on the market - even with switchable inputs.

Full Bandwidth FRL and TMDS

With a staggering 48Gbps FRL (Fixed Rate Link) bandwidth, the PureTools HDMI 2.1 Splitter guarantees flawless distribution of your ultra high-resolution content and with full legacy TMDS support included, cross-compatibility with older systems is a simple plug and play experience.

Compatibility by Design

PureTools HDMI 2.1 Splitters are designed to seamlessly integrate with your existing setup. With comprehensive EDID management options and HDCP1.4 / 2.3 handshake management, you can bid farewell to compatibility issues. Plus our innovative CEC On/Off switch allows you to avoid mis-communication headaches at the flick of a switch.

Ultra HD Cinema, Ultra Smooth Gaming

Whether it's 8K resolution at 60Hz in 4:2:0 12bit, 8K resolution at 30Hz in 4:4:4 12bit, or 4K resolution at 120Hz in 4:4:4 12bit, or any of the varied additional DSC resolutions, the 48G series is ready. Enjoy the dynamic range of HDR10+, the cinematic experience of Dolby Vision, and the immersive sound of DTS-HD and the super high 120Hz frame rates intrinsic to HDMI 2.1. With support for both YCbCr 4:4:4 and 4:2:2, as well as YUV 4:2:0, these splitters ensure audio and video synchronization like never before.

Audio Flexibility

All splitters in the family come with digital SPDIF and analogue 3.5mm audio de-embedding capabilities as standard. For full 7.1 audio, a direct HDMI connection is the ideal method - simply use one of the main duplicated ports. Analogue, digital and full HDMI audio breakout - the choice is yours!

Seamless Legacy Integration

Enjoy hassle-free connectivity with PureTools HDMI 2.1 Splitter's advanced downscaling capabilities and legacy EDID library. Transform your 8K signal to 4K or 1080p without compromising on quality. Ensure full TV compatibility and make the most of all your devices regardless of resolution.

Cutting Edge Visual Performance

PureTools HDMI 2.1 Splitter Family offers full support for VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), QMS (Quick Media Switching), QFT (Quick Frame Transport), and SBTM (Static and Dynamic Metadata). These advanced features ensure a fluid and responsive audiovisual experience, optimised for gaming, streaming, and beyond. The 2x4 and 2x8 models add an extra layer of flexibility; with dual switchable inputs, two HDMI 2.1 sources can be easily implemented.

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	Art. No.	Description	Input	Output
	PT-SP-HD12-48G	PureTools - 1x2 HDMI 2.1 Splitter - 48Gbps - 8K (60Hz 4:2:0) 12bit, Audio De-Embedding and Signal Management	1x HDMI-A	2x HDMI-A 1x SPDIF (Toslink) 1x Analogue Stereo (3.5mm Jack)
	PT-SP-HD14-48G	PureTools - 1x4 HDMI 2.1 Splitter - 48Gbps - 8K (60Hz 4:2:0) 12bit, Audio De-Embedding and Signal Management	1x HDMI-A	4x HDMI-A 1x SPDIF (Toslink) 1x Analogue Stereo (3.5mm Jack)
	PT-SP-HD18-48G	PureTools - 1x8 HDMI 2.1 Splitter - 48Gbps - 8K (60Hz 4:2:0) 12bit, Audio De-Embedding and Signal Management	1x HDMI-A	8x HDMI-A 1x SPDIF (Toslink) 1x Analogue Stereo (3.5mm Jack)
	PT-SP-HD24-48G	PureTools - 2x4 HDMI 2.1 Splitter - 48Gbps - 8K (60Hz 4:2:0) 12bit, Audio De-Embedding and Signal Management	2x HDMI-A	4x HDMI-A 1x SPDIF (Toslink) 1x Analogue Stereo (3.5mm Jack)
	PT-SP-HD28-48G	PureTools - 2x8 HDMI 2.1 Splitter - 48Gbps - 8K (60Hz 4:2:0) 12bit, Audio De-Embedding and Signal Management	2x HDMI-A	8x HDMI-A 1x SPDIF (Toslink) 1x Analogue Stereo (3.5mm Jack)

PT-SP-HD12-48G

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PT-SP-HD14-48G

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PT-SP-HD18-48G

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PT-SP-HD24-48G

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PT-SP-HD28-48G

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Contact

PureLink GmbH
Von-Liebig-Str. 10
48432 Rheine | Germany

+49 5971 800 299-0
+49 5971 800 299-99
info@purelink.de

We regularly expand our product range. We will gladly provide information on additional cable lengths upon request.
All information is subject to confirmation and non-binding. Technical changes, printing errors and mistakes excepted.
The illustrations used in this document may differ from the delivered product.