

HDMI iSilencer Tech Lowdown

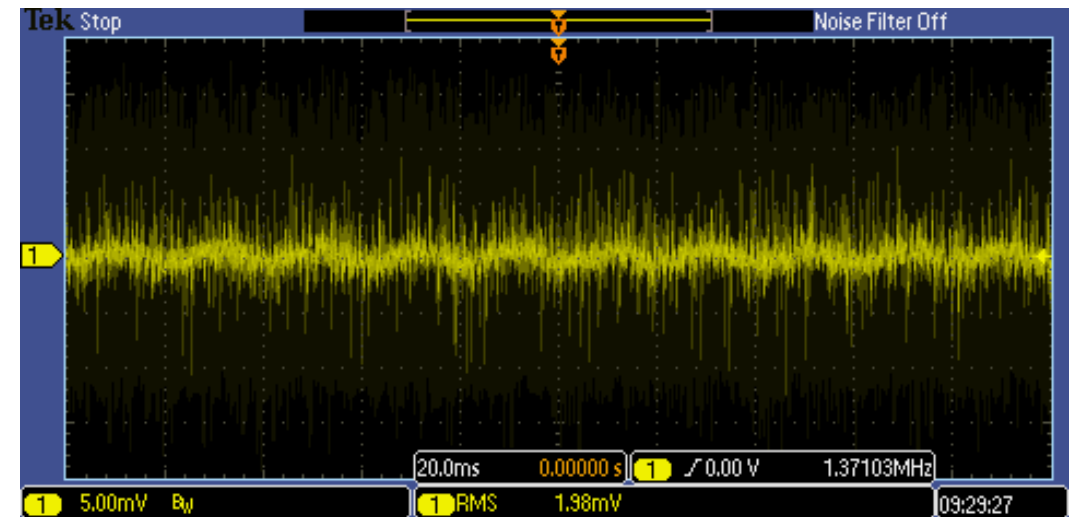
HDMI iSILENCER



How Noise Manifests in Your Setup

Noise within electronic devices can stem from various sources. Common culprits include poorly shielded cables or power supplies, noisy internal switching power supplies, dirty mains power and interference from other electronic devices.

This noise travels through the signal chain and reaches your TV, where the signal is converted to analogue and visually displayed. Like audio DACs, interference and noise degrade the signal quality, but here results are shown as visual artifacts.



Reclaims Lost Detail



Before



After*

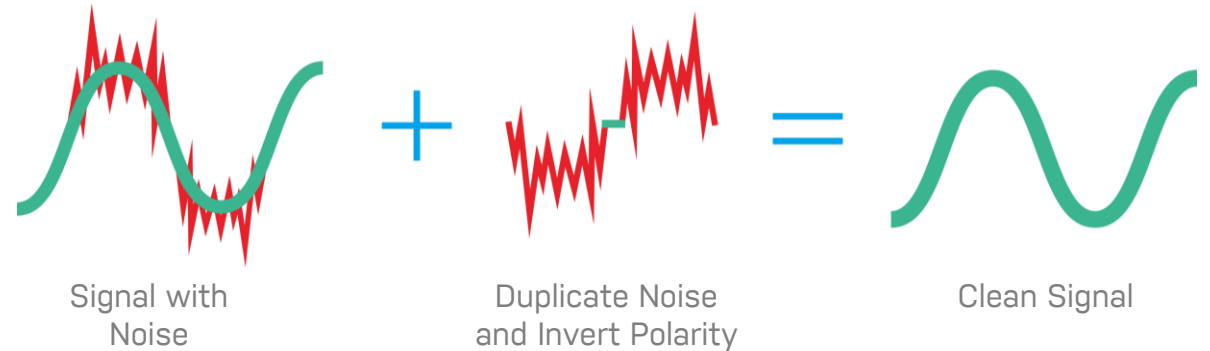
Noise and interference within a digital system can degrade audio and video output, leading to image distortion, timing issues, colour distortion and more.

The unique blend of Active Noise Cancellation and Jitter Elimination technologies inside the HDMI iSilencer significantly reduces overall system noise, giving you truer blacks, more vibrant colours and improved contrast.

Military-Inspired Noise Cancellation

Inspired by military radar cancellation techniques, our proprietary Active Noise Cancellation 2 technology duplicates incoming noise signals from the USB and inverts the polarity, effectively cancelling out incoming electromagnetic and radio interference.

This technology means that measured noise drops by 100x (40dB) in comparison to the common noise filter.



Active Noise Cancellation II[®]

Suppresses Excess Voltages



The HDMI iSilencer incorporates surge protection via a Transient Voltage Suppressor (TVS) system.

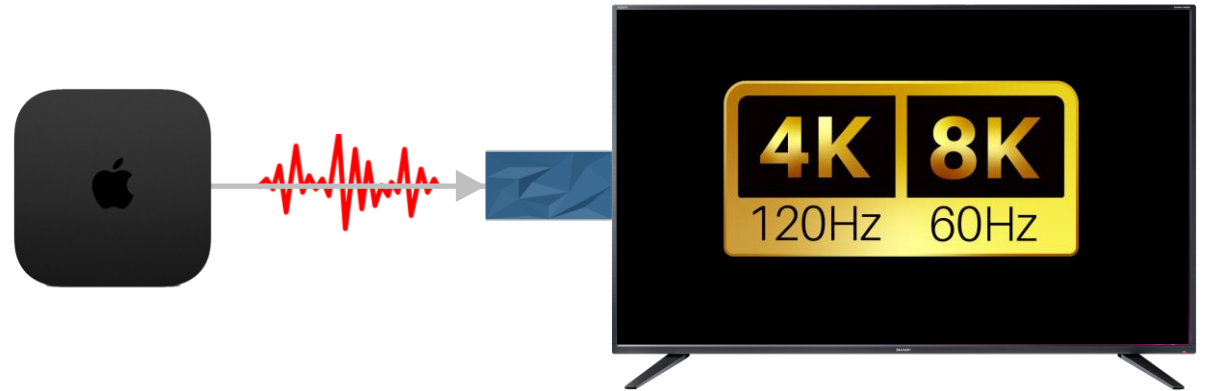
Transient voltages can be caused by factors such as surges, lightning strikes, EMI, or electrostatic discharge.

The HDMI iSilencer suppresses these excess and peak voltages, protecting connected equipment from damage and ensuring continuous operation.

Ultra HD/HDR 8K Passthrough

Despite its innovative filtering, the HDMI iSilencer lets digital signals pass through perfectly to meet Ultra HD/HDR 8K/60Hz and 4K/120Hz standards and works over HDMI 2.1 - with extensive backwards compatibility.

It is also compatible with consoles, UHD TVs and PCs.



Key Features



ANC2 Technology effectively reduces both EMI and RFI



Jitter Elimination enhances video details in dark areas



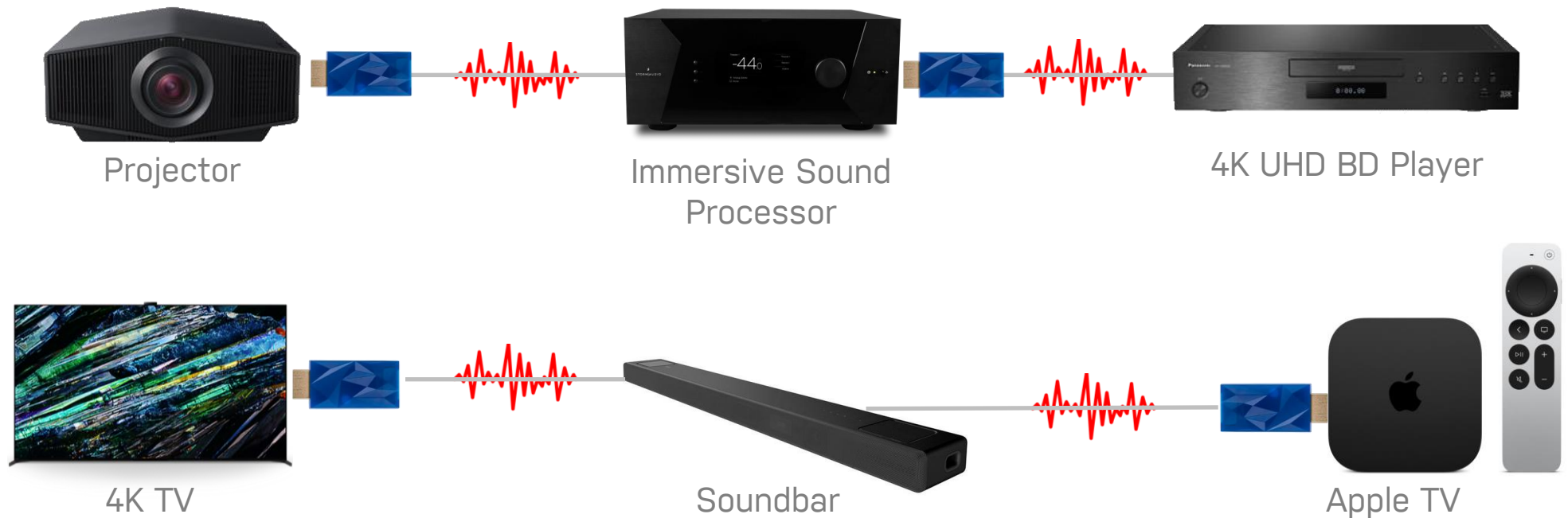
Transient Voltage Suppressor safeguards against surges and voltage transients



Compatible with HDMI 2.1 and with all previous HDMI versions

Typical Chain

How we would advise to start with the HDMI iSilencer.



Recommended Chain

Use multiple HDMI iSilencers in series for the lowest system noise possible.



Projector



Immersive Sound Processor



4K UHD BD Player

Specifications

HDMI iSilencer	
Input	HDMI Male
Output	HDMI Female
PCB	Military-grade printed circuit board with audiophile components
HDMI Compatibility	HDMI 2.1 and all previous HDMI versions
Resolution Supported	8K/60Hz, 4K/120Hz Ultra HD HDR
Voltage Rating	5V, Max 6.3V/1A
Dimensions	51 x 24 x 10 mm (2.0 x 0.9 x 0.4")
Weight	11g (0.39 oz)
Warranty Period	12 months

**12 months typical or as permitted/required by local reseller laws.*

***Specifications are subject to change without notice.*