

# HDMI iSILENCER



# Summary

"High Definition, Minimum Interference."

HDMI Noise Filter with Surge Protection

## USPs:

Active Noise Cancellation 2<sup>®</sup> Technology

Jitter Elimination

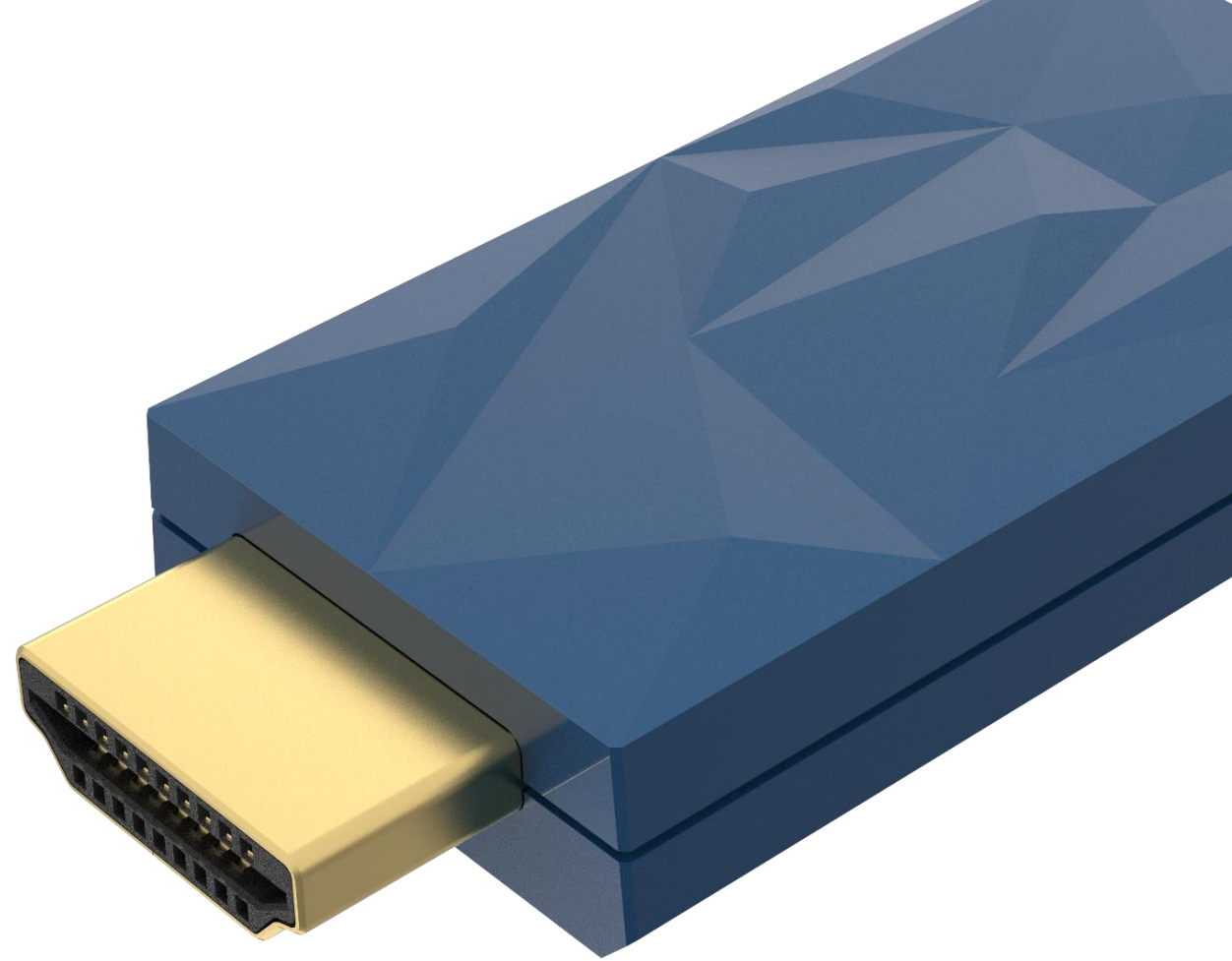
Surge Protection

## Features and Functionality:

Compatible with HDMI 2.1

Supports Ultra HD HDR 8K/60Hz

High-Quality Gold-Plated Connectors





## Story and Tagline

We understand how important it is for you to disconnect and immerse yourself in your favourite media. Watching movies or playing games lets you escape and unwind.

However, HDMI connections often carry noise, causing image distortion and timing issues that disrupt your experience.

With proprietary noise cancellation and jitter elimination, the HDMI iSilencer restores the true quality of your media, delivering crystal-clear audio and picture-perfect video.

Immerse yourself fully and escape into your favourite movies like never before.

**"High Definition, Minimum Interference".**

# Target Audience

Demographics: 25+ years

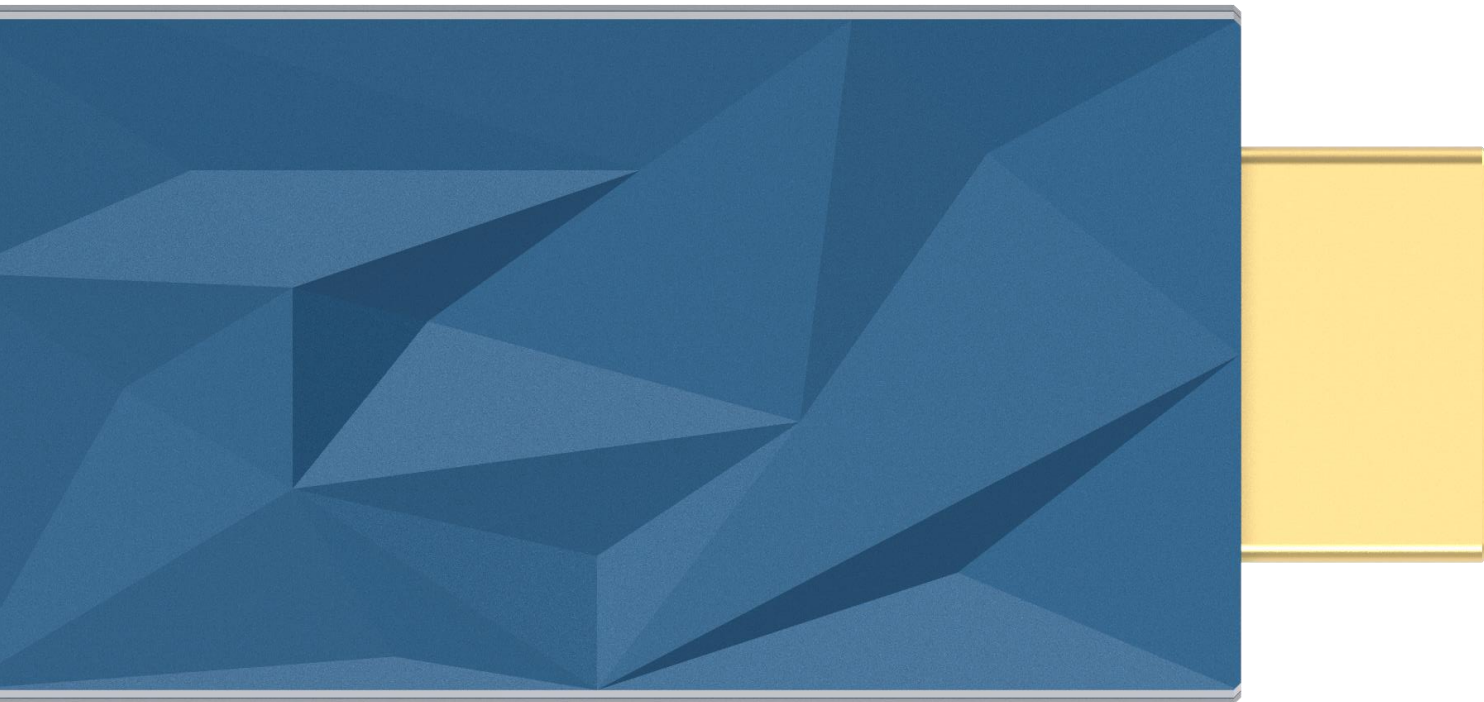
Need for HDMI iSilencer

Wants a more immersive, heightened entertainment experience; deeper background, more vibrant colours.

Categories

A/V Enthusiasts, Tech Enthusiasts,  
Videographers, Gamers



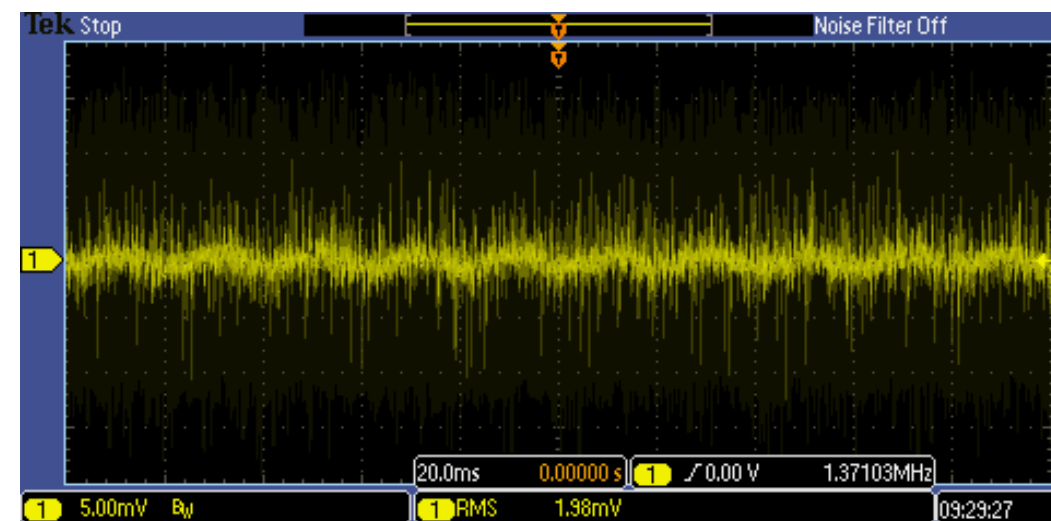


# Unique Selling Points

# “Where does noise come from, and how does it impact what I see?”

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.



## Picture Perfect

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.



Before

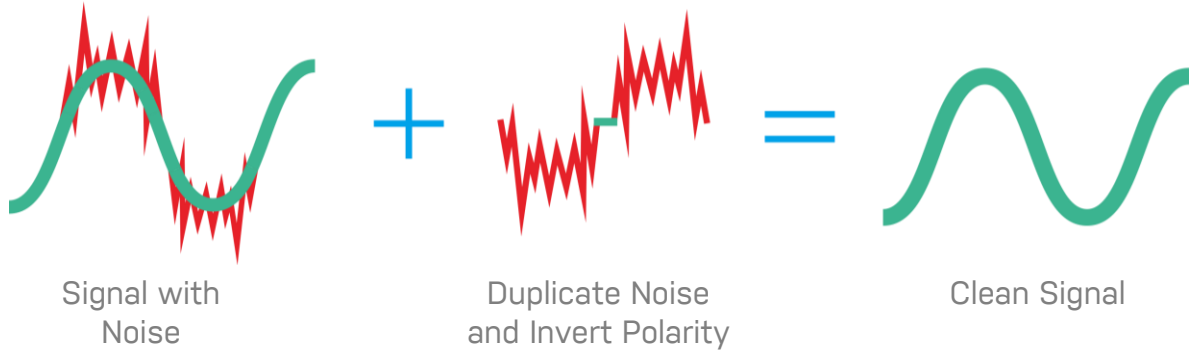


After\*

# Military Precision

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.







## Protect and Preserve

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

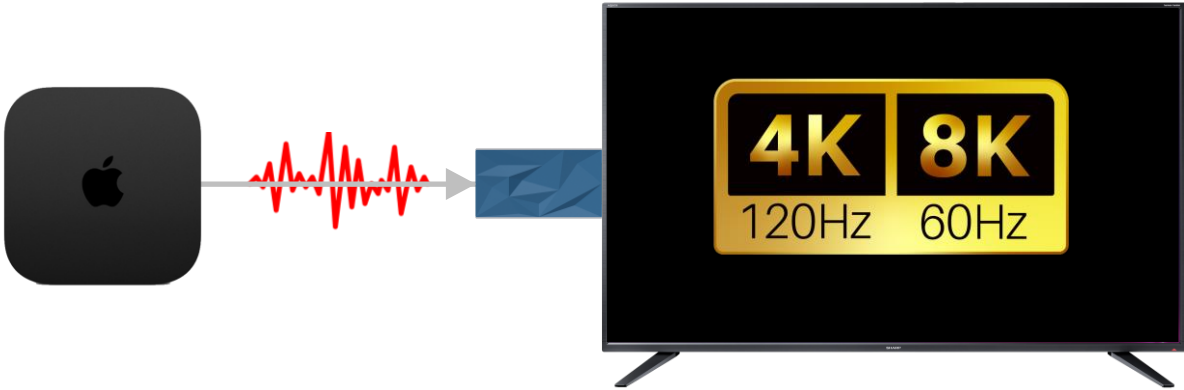
Transient voltages can be caused by factors such as surges, lightning strikes, EMI, or electrostatic discharge.

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

# Pure 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



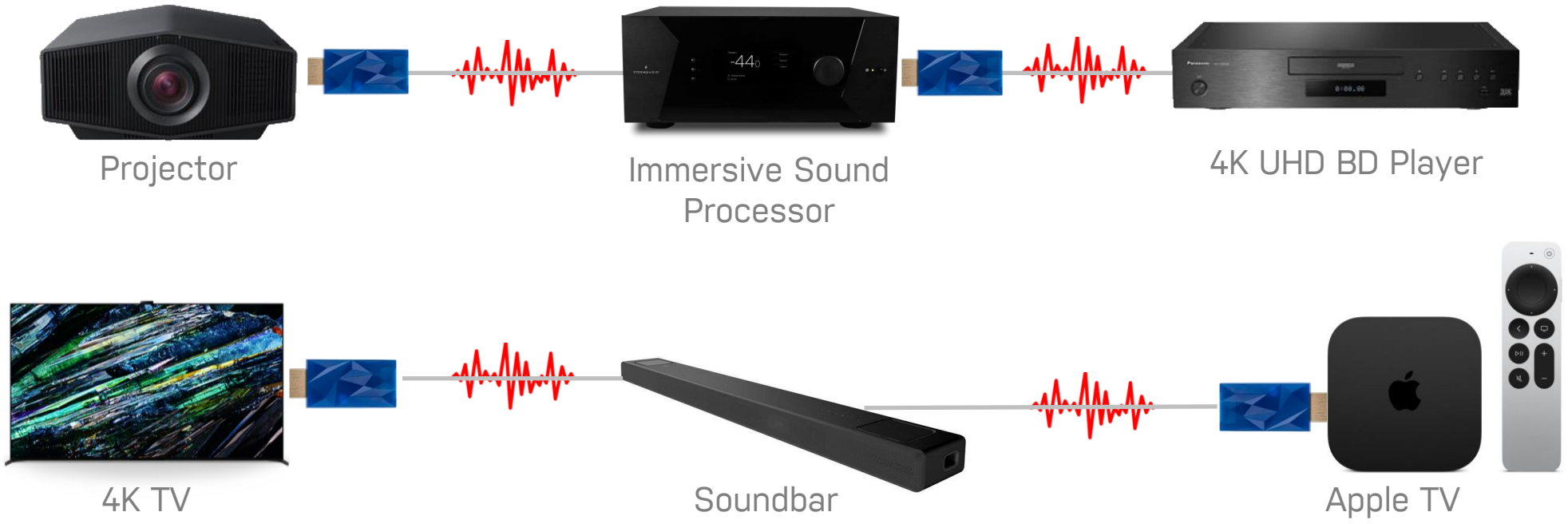
Transient Voltage Suppressor safeguards against surges and voltage transients



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

# Performance Findings

Professionals who tested the HDMI iSilencer said:

“A noticeable increase in **depth** and **dimensionality**, in both colour reproduction and black levels. Created a more immersive viewing experience. ”

*- High-end sound processor Distributor*

“The HDMI iSilencer improves **clarity** and **separation** of audio effects. The effect is most noticeable when it is placed at the output of a 4K UHD player. ”

*- Atmos-certified Post Production Studio*

“Audio scenes are significantly improved with depth and width, while reverb effects become **more pronounced**. ”

*- Home Theatre Design and Installation Specialist*

# Appendix

Active Noise  
Cancellation II

Jitter  
Elimination

HDMI 2.1



**Silent**Power

# 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.*



# Contents



**Silent**Power<sub>by ifi</sub>