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› [VENTION 3FT 8K HDMI 2.1 Cable \(Model AAL\) User Manual](#)

VENTION AAL

VENTION 3FT 8K HDMI 2.1 Cable User Manual

Model: AAL

INTRODUCTION

Thank you for choosing the VENTION 3FT 8K HDMI 2.1 Cable. This cable is designed to provide high-speed audio and video transmission, supporting advanced features such as 8K@60Hz, 4K@120Hz, Dynamic HDR, eARC, and HDCP 2.2 & 2.3. This manual provides essential information for proper setup, operation, maintenance, and troubleshooting to ensure optimal performance.



Image: VENTION 3FT 8K HDMI 2.1 Cable. This image displays the cable itself, highlighting its braided design and metallic connectors.



Image: Ultra 8K@60HZ HDMI Cable Features. This graphic illustrates the cable's capabilities including 48Gbps bandwidth, Dolby Atmos, Dolby Vision, Dynamic HDR, eARC, HDCP 2.2 & 2.3, and DTS:X support.

SETUP INSTRUCTIONS

Follow these steps to connect your VENTION HDMI 2.1 cable:

1. **Identify Ports:** Locate the HDMI output port on your source device (e.g., gaming console, Blu-ray player, PC) and the HDMI input port on your display device (e.g., TV, monitor, projector). Ensure both devices support HDMI 2.1 for full functionality.
2. **Connect Cable:** Gently insert one end of the VENTION HDMI cable into the HDMI output port of your source device.
3. **Connect to Display:** Insert the other end of the HDMI cable into the HDMI input port of your display device.
4. **Secure Connection:** Ensure both ends are firmly seated in their respective ports. The cable is plug-and-play and does not require additional software or drivers.



Image: Stable Support for High Refresh Rates. This image shows a gaming setup, illustrating the cable's ability to support stable 8K@60Hz, 4K@144Hz, and 2K@240Hz resolutions, preventing flickering or black screens.

This HDMI 2.1 cable is backward compatible with HDMI 2.0b/2.0a/1.4/1.3/1.2/1.1 standards, allowing use with a wide range of devices.

OPERATING INSTRUCTIONS

Once connected, the VENTION HDMI 2.1 cable operates automatically. Your devices should detect the connection and negotiate the best possible audio and video settings.

- **High-Speed Transmission:** The cable supports a bandwidth of 48Gbps, enabling resolutions up to 8K@60Hz and 4K@120Hz.
- **Dynamic HDR:** Enjoy enhanced contrast, brightness, and color depth with Dynamic HDR support.
- **eARC (Enhanced Audio Return Channel):** Transmit full-resolution audio signals, including object-based audio formats like Dolby Atmos and DTS:X, from your TV to a compatible soundbar or AV receiver.
- **HDCP 2.2 & 2.3:** Ensures compatibility with protected content from streaming services and Blu-ray players.



Image: Ultra Fine Contrast in 8K. This graphic compares 1080P, 4K, and 8K resolutions, highlighting the superior detail and contrast provided by 8K, along with support for Dolby, 3D, 120Hz, and HDR.



Image: HDMI 2.1 vs HDMI 2.0 Bandwidth Comparison. This image visually compares the 48Gbps bandwidth of HDMI 2.1 with the 18Gbps of HDMI 2.0, emphasizing the capability for pure 8K viewing pleasure.

MAINTENANCE

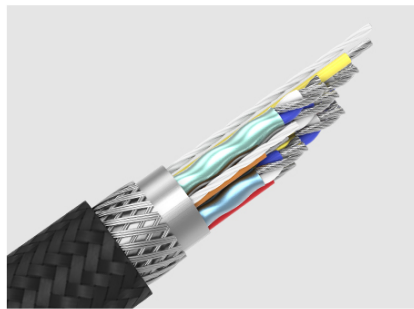
To ensure the longevity and optimal performance of your VENTION HDMI 2.1 cable, follow these maintenance guidelines:

- **Handle with Care:** Avoid excessive bending, twisting, or pulling of the cable, especially near the connectors. The nylon braided jacket provides durability, but extreme stress can still cause damage.
- **Keep Clean:** Periodically wipe the cable and connectors with a soft, dry cloth to remove dust and debris. Do not use liquid cleaners directly on the connectors.
- **Store Properly:** When not in use, coil the cable loosely. Avoid tight coiling or kinking, which can damage the internal wires.
- **Protect Connectors:** Keep the gold-plated connectors free from dirt and moisture. If necessary, use a small brush to gently clean any debris from the connector pins.



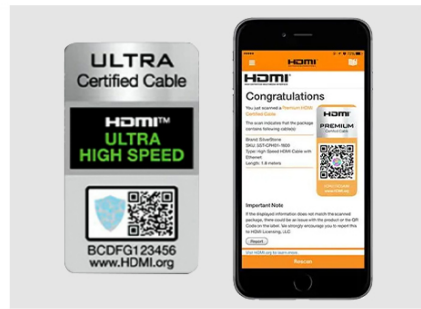
Gold plated & Aluminum Alloy Case

- Provide a high-quality connection with minimal interference, ensuring that the signal remains strong and clear. They also resist corrosion and wear over time, extending the lifespan of the cable.



Multiple Shielding

- Aluminum foil+Metal Braiding Shielding. Prevents the cable from interfering with your wireless devices solve problem of glitter, latency and gohsting.



High Toughness Cotton Braided

- Engineered with premium materials to deliver stunning 8K video and immersive sound, support HDR, eARC, DTS:X, HDCP2.2 & 2.3 etc, is the perfect choice for gamers, movie lovers, and anyone who wants the ultimate viewing experience.

Image: Robust Nylon Braided Cable Design. This image highlights the durable nylon braided jacket and the 'ULTRA Certified Cable' logo, indicating superior protection and flexibility.

Stable Support 8K@60HZ , 4K@144Hz , 2K@240Hz

Aviod flickering / black screen



Image: Cable Construction Details. This graphic details the cable's features: gold-plated & aluminum alloy case for minimal interference, multiple shielding (aluminum foil + metal braiding) to prevent interference, and high toughness cotton braided exterior for durability.

TROUBLESHOOTING

If you encounter issues with your VENTION HDMI 2.1 cable, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video or audio signal	Loose connection, incorrect input selection, incompatible device settings.	<ul style="list-style-type: none"> • Ensure both ends of the HDMI cable are securely connected. • Verify your display device is set to the correct HDMI input. • Check the source device's video output settings. • Try connecting the cable to different HDMI ports on both devices.

Problem	Possible Cause	Solution
Flickering screen or intermittent signal	Cable damage, signal interference, resolution/refresh rate mismatch.	<ul style="list-style-type: none">Inspect the cable for any visible damage.Ensure the resolution and refresh rate settings on your source device are supported by your display.Reduce the cable length if possible, or try a different cable.Minimize interference from other electronic devices.
No audio or poor audio quality	Incorrect audio settings, eARC not enabled, incompatible audio receiver.	<ul style="list-style-type: none">Check the audio output settings on your source device and TV.If using eARC, ensure it is enabled on both your TV and sound system.Verify your sound system is compatible with the audio format being transmitted.
8K@60Hz or 4K@120Hz not achieved	Source/display limitations, cable quality, incorrect settings.	<ul style="list-style-type: none">Confirm both your source and display devices fully support HDMI 2.1 and the desired resolution/refresh rate.Ensure your device settings are configured for the highest possible output.Some older devices may require firmware updates for full HDMI 2.1 compatibility.

SPECIFICATIONS

Key technical specifications for the VENTION 3FT 8K HDMI 2.1 Cable (Model AAL):

Feature	Detail
Brand	VENTION
Model Number	AAL
Cable Type	HDMI 2.1
Length	3 Feet (approx. 0.91 meters)
Data Transfer Rate	48 Gigabits Per Second (Gbps)
Supported Resolutions	8K@60Hz, 4K@120Hz, 4K@144Hz, 2K@240Hz
Supported Features	Dynamic HDR, eARC, HDCP 2.2 & 2.3, 3D, Dolby Atmos, DTS:X
Connector Type	HDMI Male-to-Male
Connector Material	Gold-plated, Zinc Alloy Casing

Feature	Detail
Cable Jacket	Nylon Braided (Cotton Mesh)
Conductor Material	Premium Tinned Copper
Shielding	Aluminum Foil + Metal Braided Mesh
Compatible Devices	Televisions, Monitors, Projectors, PS5, PS4, Apple TV, Roku TV, Laptops, Desktops
Color	Grey
Item Weight	4.2 ounces

WARRANTY AND SUPPORT

VENTION products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official VENTION website. If you require technical assistance or have questions regarding your HDMI cable, please contact VENTION customer support through their official channels. Please retain your proof of purchase for any warranty claims.