Club 3D CAC-1331

CLUB 3D CAC-1331 HDMI to DisplayPort 1.2 Active Adapter

User Manual

Product Overview

The Club 3D CAC-1331 is an active adapter designed to convert an HDMI signal into a DisplayPort 1.2 signal. This enables connection of an HDMI source device (such as a PC, game console, or Blu-ray player) to a DisplayPort display (monitor or TV).

It supports DisplayPort 1.2 specifications, allowing for resolutions up to 4096 x 2160 at 60Hz. The adapter includes a USB Type-A port for optional external power, which may be necessary if the HDMI source does not provide sufficient power.

Important Note: This adapter is *unidirectional*, meaning it only converts signals from HDMI to DisplayPort. It cannot convert DisplayPort to HDMI.



Image: The Club 3D CAC-1331 adapter, showing the HDMI input, DisplayPort output, and USB power connector.

Key Features

- **HDMI Support:** Compatible with HDCP 1.4/2.2, supports 8/10/12-bit Deep Color, and Status and Control Data Channel (SCDC).
- **DisplayPort 1.2 Support:** DP1.2A compliant, supports resolutions up to 4K (4096x2160) at 60Hz.
- **High Data Rate:** Supports 4 lanes with 1.62Gbps (RBR), 2.7Gbps (HBR), or 5.4Gbps (HBR2) data rates.
- **Hot Plug Detect:** Supports hot plug detection for seamless connection.
- **Gold-plated Connectors:** Ensures reliable signal transmission and durability.
- **USB Type-A Power:** Equipped with a USB Type-A port for optional external power supply.

Setup Instructions

Follow these steps to set up your Club 3D CAC-1331 adapter:

1. **Connect HDMI Source:** Plug the HDMI connector of the CAC-1331 adapter into the HDMI output port of your source device (e.g., PC, laptop, game console, Blu-ray player).
2. **Connect DisplayPort Display:** Connect a DisplayPort cable (not included) from the DisplayPort output port of the CAC-1331 adapter to the DisplayPort input port on your monitor or TV.
3. **Connect USB Power (Optional but Recommended):** If your HDMI source does not provide sufficient power, or if you experience display issues, connect the USB Type-A connector of the adapter to a USB port on your source device or a USB power adapter. This provides additional power to the adapter.

4. **Power On Devices:** Ensure both your source device and display are powered on.
5. **Select Input:** On your display, select the correct DisplayPort input source.

The adapter is designed for plug-and-play operation. Your display should automatically detect the signal from the source device.

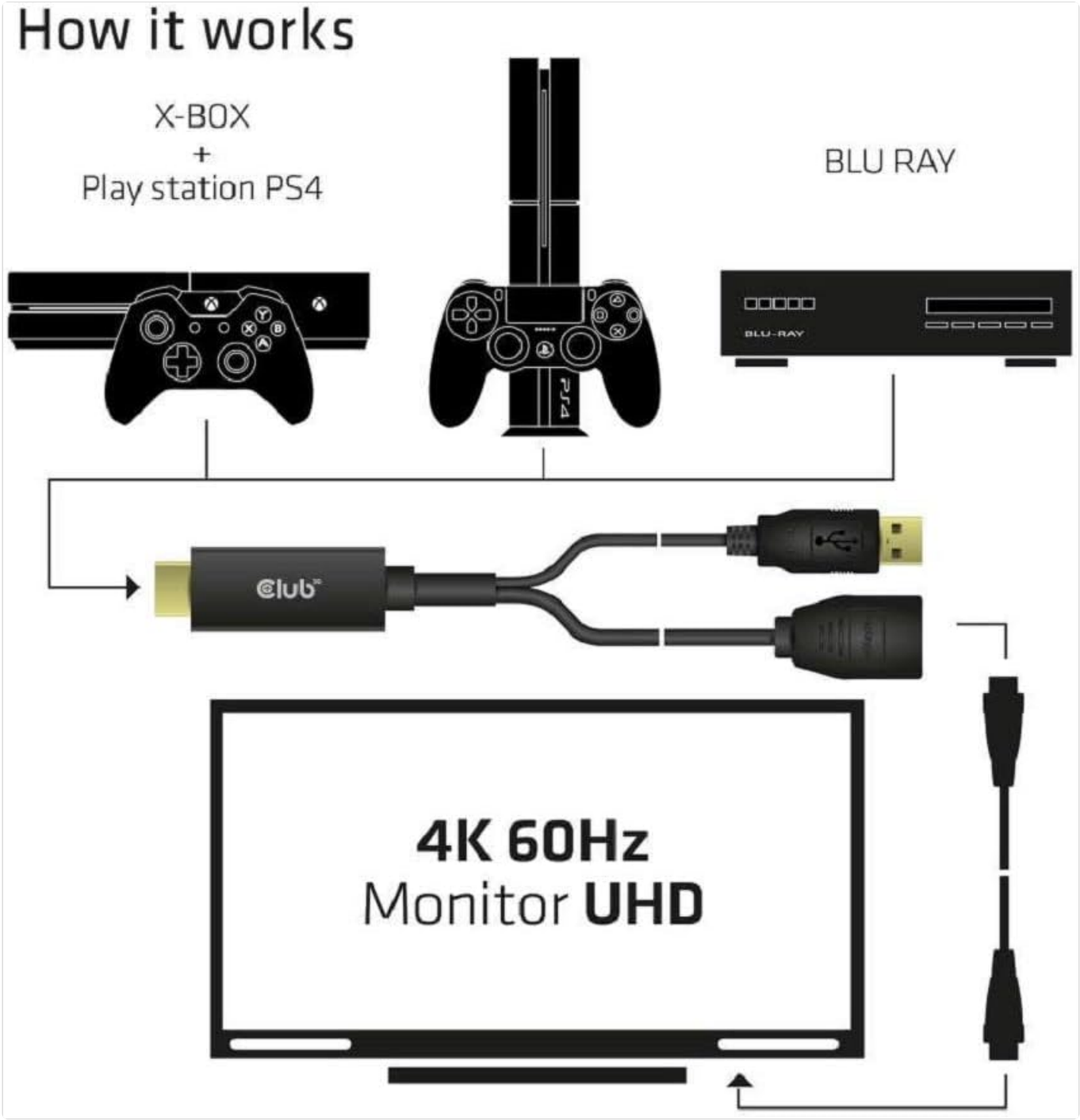


Image: A diagram illustrating the connection of the CAC-1331 adapter between various HDMI sources (X-BOX, PlayStation, Blu-ray) and a 4K 60Hz monitor.

Operating the Adapter

Once connected, the adapter operates automatically. It converts the HDMI signal to DisplayPort, allowing your display to receive the video and audio (if supported by DisplayPort) from your HDMI source.

- **Resolution and Refresh Rate:** The adapter supports resolutions up to 4K (4096x2160) at 60Hz. Ensure your source device and display are configured to output and support the desired resolution and refresh rate.
- **Deep Color:** The adapter supports 8, 10, and 12-bit Deep Color, providing a wider range of colors for a more vibrant

display, provided your source and display also support these features.



Image: A visual representation of the adapter supporting resolutions up to 4K at 60Hz, connected to a monitor displaying a high-resolution image.

Maintenance

To ensure the longevity and optimal performance of your Club 3D CAC-1331 adapter, follow these simple maintenance guidelines:

- **Keep Clean:** Gently wipe the adapter and its connectors with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Avoid Physical Stress:** Do not bend or twist the cables excessively. Avoid pulling on the cables when disconnecting; always grasp the connector housing.
- **Store Properly:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protect Connectors:** Keep the connectors free from dust and debris.

Troubleshooting

If you encounter issues with your Club 3D CAC-1331 adapter, please refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No display or flickering screen.	Insufficient power from HDMI source; loose connections; incorrect display input.	Ensure the USB Type-A power cable is connected to a reliable USB power source. Check all cable connections (HDMI, DisplayPort, USB) are secure. Verify the display is set to the correct DisplayPort input. Try a different HDMI port on your source device or a different DisplayPort cable.
Resolution or refresh rate is lower than expected (e.g., not 4K@60Hz).	Source device or display not configured for desired resolution/refresh rate; cable limitations.	Check the display settings on your source device (PC, game console) to ensure it's set to the desired resolution and refresh rate. Confirm your display supports the desired resolution and refresh rate via its DisplayPort input. Ensure you are using a high-quality DisplayPort cable capable of supporting 4K@60Hz.
Adapter does not work (e.g., DisplayPort to HDMI).	Incorrect usage; adapter is unidirectional.	This adapter is strictly *unidirectional*: HDMI source to DisplayPort display. It will not function if connected in the opposite direction (DisplayPort source to HDMI display). Please ensure your setup matches the intended direction.

If the problem persists after trying these solutions, please contact Club 3D support for further assistance.

Specifications

Model Number	CAC-1331
Product Dimensions (L x W x H)	23.62 x 23.62 x 33.46 inches (approx. 60 x 60 x 85 cm)
Item Weight	1.38 ounces (approx. 39 grams)
Input	HDMI Male
Output	DisplayPort Female
Power Input	USB Type-A (for optional external power)
Max Resolution Support	4096 x 2160 @ 60Hz (4K@60Hz)
HDMI Compliance	HDCP 1.4/2.2, 8/10/12-bit Deep Color, SCDC
DisplayPort Compliance	DP1.2A compliant, 4 lanes (1.62Gbps RBR, 2.7Gbps HBR, 5.4Gbps HBR2)
Connectors	Gold-plated
Unidirectional	HDMI to DisplayPort only

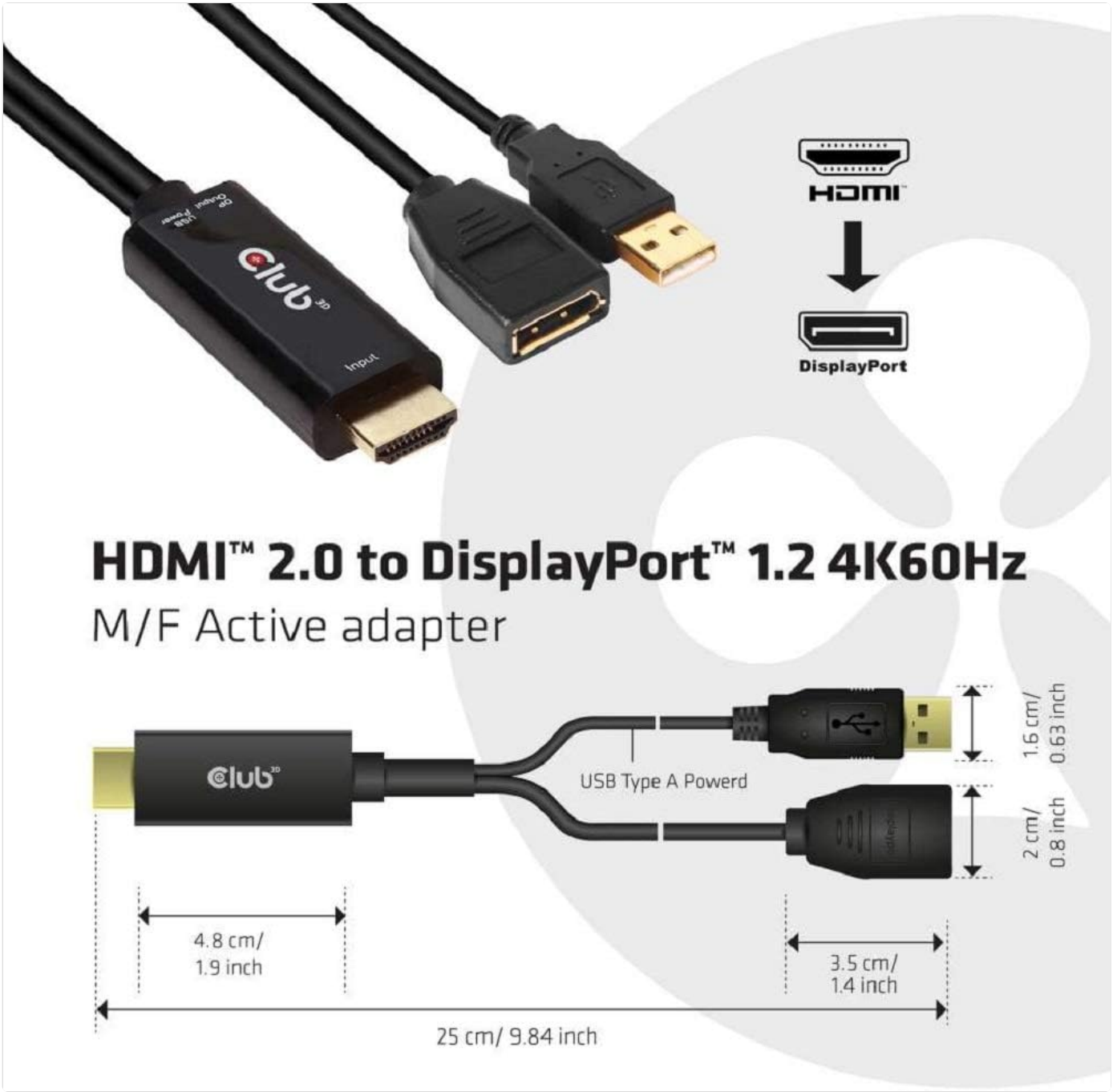


Image: Technical drawing with precise measurements of the CAC-1331 adapter's components.

Support Information

For additional support, technical inquiries, or warranty information, please contact Club 3D directly:

- **Website:** www.club-3d.com
- **Email Support:** support@club-3d.com

Please have your product model number (CAC-1331) and a detailed description of your issue ready when contacting support.

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Model: CAC-1331

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question