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Club 3D CAC-1379

Club3D CAC-1379 Ultra High Speed HDMI 2.1 Active Fiber Optical Cable User Manual

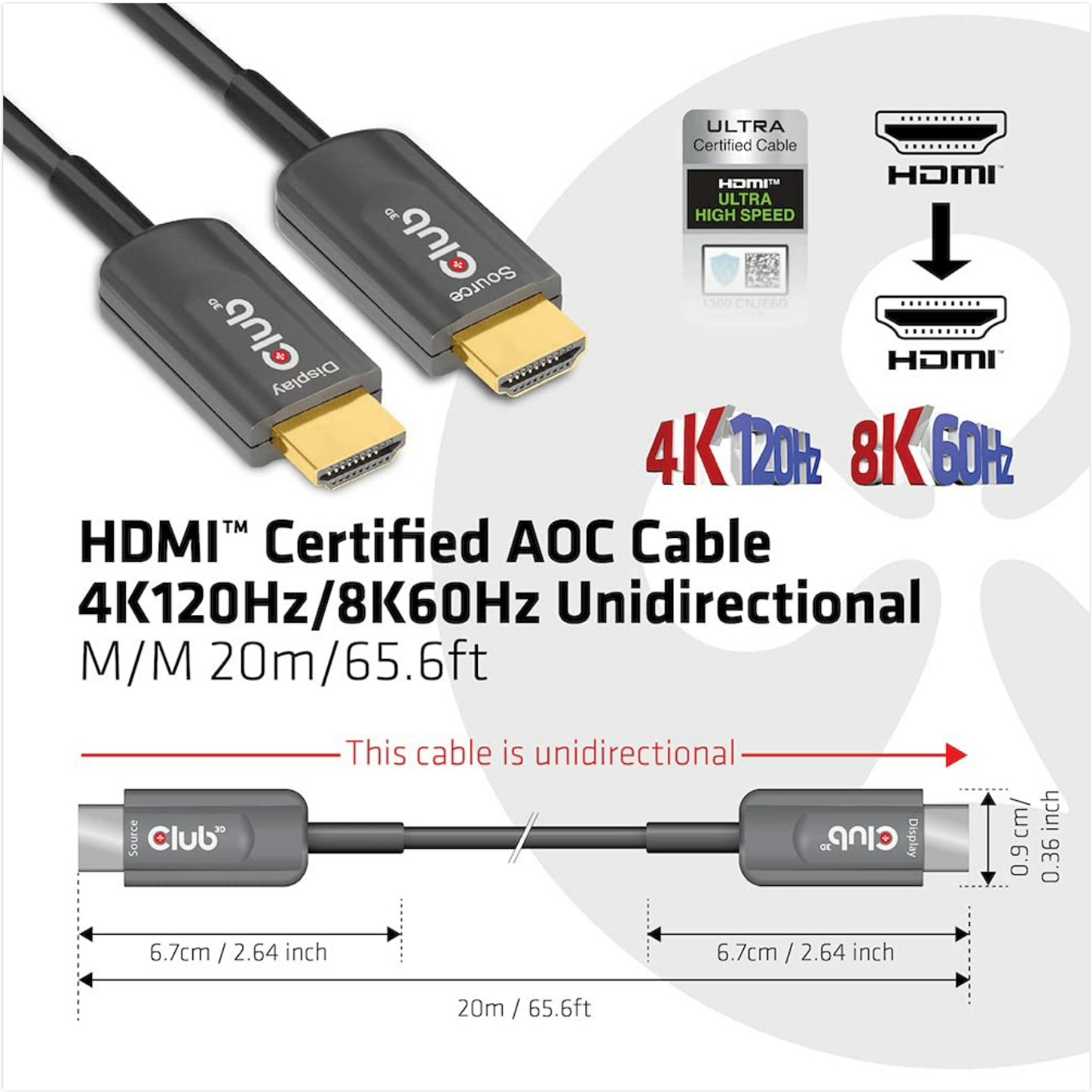
Model: CAC-1379

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Club3D CAC-1379 Ultra High Speed HDMI 2.1 Active Fiber Optical Cable. This cable is designed to deliver uncompressed video and audio signals over long distances, supporting the latest HDMI 2.1 features for high-resolution displays and gaming.

2. Key Features

- **Certified Ultra High-Speed HDMI 2.1:** Supports 8K 60Hz and 4K 120Hz resolutions, including Variable Refresh Rate (VRR) and Auto Low Latency Mode (ALLM) for optimal gaming.
- **48Gbps Data Transfer:** Enables super high-speed data transfer, backward compatible with HDMI 2.0 and HDMI 1.4.
- **Comprehensive Compatibility:** Supports EDID, CEC, HDCP 2.2, HDR (High Dynamic Range), HEC, and eARC.
- **Advanced Audio Support:** Supports up to eight PCM channels, DTS-HD Master, and Dolby Digital True HD surround sound audio.
- **Plug and Play:** No external power required for operation.
- **Unidirectional Design:** Features clearly labeled 'Source' and 'Display' connectors for correct installation.
- **Triple Shielding & Fiber Optic Technology:** Protects against interference and greatly reduces EMI/RFI emissions for optimal signal quality over long distances.



This diagram highlights the unidirectional design of the cable, emphasizing that the 'Source' end must connect to the transmitting device (e.g., PC, game console) and the 'Display' end to the receiving device (e.g., TV, monitor). It also shows supported resolutions like 4K 120Hz and 8K 60Hz.

3. Setup Instructions

1. **Identify Connectors:** Locate the 'Source' and 'Display' labels on each end of the HDMI cable.
2. **Connect to Source Device:** Plug the 'Source' connector into the HDMI output port of your host device (e.g., PC, game console, media player).
3. **Connect to Display Device:** Plug the 'Display' connector into the HDMI input port of your display device (e.g., TV, monitor, projector).
4. **Power On Devices:** Ensure both your source and display devices are powered on.
5. **Select Input:** On your display device, select the correct HDMI input channel.

Important: This cable is unidirectional. Connecting the 'Source' end to the display or the 'Display' end to the source will prevent signal transmission.



This image displays the two ends of the Club3D CAC-1379 HDMI cable, clearly indicating the 'Source' and 'Display' connectors. Proper connection direction is crucial for functionality.



This image illustrates the Club3D CAC-1379 cable in use, connecting a device to a monitor and displaying high-resolution content at 4K 120Hz, showcasing its capability for advanced visual experiences.

4. Operation

Once properly connected, the Club3D CAC-1379 cable operates as a standard HDMI connection. It is designed for plug-and-play functionality, automatically transmitting audio and video signals between compatible devices. Ensure your source device is configured to output the desired resolution and refresh rate, and your display device is set to receive it.

5. Maintenance

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

- **Avoid Sharp Bends:** Fiber optic cables are sensitive to sharp bends. Do not bend the cable beyond its minimum bend radius to prevent damage to the internal optical fibers.
- **Protect Connectors:** Keep the HDMI connectors clean and free from dust or debris. Use protective caps when

the cable is not in use.

- **Handle with Care:** Avoid pulling the cable by the connectors. Always grasp the connector housing when plugging or unplugging.
- **Storage:** Store the cable in a cool, dry place, ideally coiled loosely, when not in use.

This detailed cross-section reveals the internal structure of the Club3D CAC-1379 Active Optical Cable, highlighting the fiber optic strands responsible for high-speed data transmission over long distances, alongside copper wires for power.

6. Troubleshooting

If you encounter issues with your Club3D CAC-1379 cable, consider the following troubleshooting steps:

- **No Signal or Intermittent Signal:**
  - Verify the 'Source' and 'Display' connectors are plugged into the correct ports on your devices.
  - Ensure both source and display devices are powered on and functioning correctly.
  - Try disconnecting and reconnecting the cable firmly at both ends.
  - Test with a shorter, known-working HDMI cable if available, to isolate the issue to the cable or other components.
- **Resolution or Refresh Rate Issues (e.g., 4K 120Hz not working):**
  - Confirm that both your source device (e.g., graphics card) and display device (e.g., TV, monitor) fully support HDMI 2.1 and the desired resolution/refresh rate.
  - Check the display settings on your source device to ensure the correct resolution and refresh rate are selected.
  - Update graphics drivers on your source device.
- **HDMI Cable Certification:** To verify the cable's authenticity and specifications, use the official HDMI Cable Certification App. This app can scan the QR code on the product packaging.



This image demonstrates how to use the official HDMI Cable Certification Scanning App to verify the authenticity and specifications of your Club3D CAC-1379 cable, ensuring it is a certified Ultra High Speed HDMI cable.

7. Technical Specifications

Feature	Specification
Model Number	CAC-1379
Cable Type	HDMI Active Optical Cable (AOC)
HDMI Version	2.1 Certified
Bandwidth	48 Gbps
Supported Resolutions	Up to 8K 60Hz, 4K 120Hz
Supported Features	VRR, ALLM, EDID, CEC, HDCP 2.2, HDR, HEC, eARC

Audio Support	8 PCM channels, DTS-HD Master, Dolby Digital True HD
Connector Type	HDMI Type A Male to Male, Optical
Cable Length	20m (65.6ft)
Power Requirement	No external power needed
Compatible Devices	Monitors, Personal Computers, Projectors, Televisions

8. Warranty and Support

The Club3D CAC-1379 Active Optical Cable comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.
For technical support, warranty inquiries, or additional product information, please visit the official Club 3D website or contact their customer service. You can also find more information and products at the Club 3D Store on Amazon.

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