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INSTRUCTION MANUAL

Introduction

The BoIAAzUL H21DP14 is a high-performance HDMI 2.1 to DisplayPort 1.4 adapter cable designed to connect devices with an HDMI output to displays with a DisplayPort input. This cable supports high resolutions and refresh rates, including 8K at 30Hz, 4K at 120Hz, and 2K at 144Hz, providing an ultra-high-definition visual experience. It requires external USB power for stable operation.



Image: The BoIAAZUL H21DP14 HDMI to DisplayPort adapter cable, showcasing its HDMI, DisplayPort, and USB power connectors, along with the central converter unit.

Important Notes and Compatibility

This is a **uni-directional** cable, meaning it converts signals *from* HDMI *to* DisplayPort. It cannot convert signals from DisplayPort to HDMI. The cable does not support Variable Refresh Rate (VRR) and is not compatible with DisplayPort 1.2 extension cables.

It is crucial to understand that this cable is a pass-through converter and **cannot reduce or increase resolutions and refresh rates**. To achieve a specific output resolution and refresh rate (e.g., 7840x4320 @ 30Hz), both your HDMI source device and your DisplayPort monitor must natively support that exact resolution and refresh rate.

Unsupported Devices and Scenarios:

- KVM Switches
- Docking Stations
- VR Headsets

- Video Capture Devices
- USB Hubs (for power, use a dedicated power adapter)
- Switches/Splitters
- HDMI/DisplayPort Extension Cables
- HDMI/DisplayPort Adapters (other than this specific cable)

⚠ Warning

This Uni-directional HDMI-to-DP Cable

Not support VRR ❌ **Doesn't work with KVM, Docking Stations, VR, Video Captures, USB Hubs, Switches/Splitters, HDMI/DP extension cables, and HDMI/DP adapters.**



KVM



Docking Stations



VR



Video Captures



USB Hubs



Switches/Splitters



HDMI/DP extension cables



HDMI/DP adapters



Image: A warning graphic illustrating that the uni-directional HDMI to DisplayPort cable does not support VRR and is incompatible with KVMs, docking stations, VR devices, video capture cards, USB hubs, switches/splitters, and other HDMI/DP extension cables or adapters.

Setup Instructions

1. **Connect HDMI:** Plug the HDMI connector of the BoIAAzUL H21DP14 cable into the HDMI output port of your source device (e.g., PC, laptop, PS5, Xbox Series X).
2. **Connect DisplayPort:** Plug the DisplayPort connector of the cable into the DisplayPort input port of your monitor or

display.

3. **Connect USB Power:** Connect the USB-A power connector of the cable to an external 5V/2A power adapter (not included) or a dedicated USB power source. *Do not connect this USB cable to the USB port of your PC or laptop, as it may not provide sufficient power for stable operation.*



Image: A diagram illustrating the correct connection of the USB power cable to an external power adapter for stable operation, rather than directly to a computer's USB port.

Universal Compatibility Overview:



Universal Compatibility

Unidirectional HDMI to DP Converter

The image displays a variety of source devices connected to the converter: a PS5 console, a PS4 controller, a Dell laptop, a Mac Mini, and an Xbox console on the left; and an HDTV, an Easung monitor, and an Xbox console on the right. A central braided cable with a USB-A power connector is also shown. At the bottom, a diagram shows an HDMI port with a green checkmark and a yellow arrow pointing to a Displayport port, indicating the correct direction of connection. The reverse direction is shown with a red 'no' symbol and a yellow arrow pointing away, indicating it is incorrect.

Image: A visual representation of the cable's universal compatibility, showing various HDMI source devices (gaming consoles, laptops, desktops, Mac Mini) connecting to DisplayPort displays (monitors, HDTVs). It also clearly indicates the correct HDMI-to-DisplayPort direction.

Operating and Resolution Settings

After connecting the cable, you may need to adjust the display settings on your source device to match the capabilities of your monitor and achieve the desired resolution and refresh rate.

For PC and Laptop Users:

Adjust resolutions and refresh rates through your operating system's display settings (e.g., Windows Display Settings or macOS System Preferences). In some cases, you may need to use the control panel of your graphics card (e.g., NVIDIA Control Panel or AMD Radeon Software) to configure advanced display settings. Note that only the 8K 30Hz model supports refresh rates above 60Hz.

For PS4 Pro / PS5 Users:

This cable can output a standard HDTV 4K resolution of 3840x2160 @ 60Hz. To enable 4K resolutions, ensure your monitor's DisplayPort input supports 3840x2160 @ 60Hz and HDCP 2.2. If your monitor does not support 3840x2160 @ 60Hz, the 4K option will not be available on your console.

For Xbox Series X / S Users:

- To achieve 4K/120Hz and 2K/144Hz (for the 8K 30Hz model only), your Xbox's HDMI output must be HDMI 2.1 and capable of supporting these resolutions and refresh rates. Your monitor's DisplayPort input must also support these specifications.
- If your monitor's DisplayPort does not support 3840x2160 @ 120Hz, the UHD 4K 120Hz output option from your Xbox Series X will not be available.
- If your monitor's DisplayPort only supports 2K resolutions, the 2K options from your Xbox Series X/S may not be available due to synchronization frequency differences (Xbox Series X/S 2K @ 120Hz sync frequency is 497M, while DisplayPort is 483.4M).

Ideal Companion for Gaming

8K@30Hz 4K@120Hz 2K@144Hz Supported

4K@120Hz

4K@60Hz

NOTE:

The input and output resolutions must be corresponding with each other. If your HDMI Source supports 4K@60Hz, but your DP supports 3840X2160@120Hz, then the max resolution of the DP out with this cable is 4K@60Hz.



Image: A visual demonstrating the cable's capability for high-refresh-rate gaming, supporting 8K@30Hz, 4K@120Hz, and 2K@144Hz, with a note emphasizing that input and output resolutions must correspond.

Maintenance

To ensure the longevity and optimal performance of your BoIAAzUL H21DP14 cable, follow these maintenance guidelines:

- Avoid sharp bends or kinks in the cable, especially near the connectors, as this can damage internal wires.
- Store the cable in a cool, dry place away from direct sunlight and extreme temperatures.
- When disconnecting, always grasp the connector housing, not the cable itself, to prevent strain on the connections.
- Keep the connectors clean and free of dust or debris. Use a soft, dry cloth to gently wipe them if necessary.



Image: A close-up view of the cable's braided exterior and gold-plated connectors, illustrating its robust construction designed for durability.

Troubleshooting

If you encounter issues with your BoIAAzUL H21DP14 cable, consider the following troubleshooting steps:

- **No Signal / Black Screen:**

- Ensure the USB power cable is connected to a reliable external 5V/2A power adapter and not a low-power USB port on your computer.
- Verify that the cable is connected in the correct direction: HDMI from source to DisplayPort on display. This cable is uni-directional.
- Check all cable connections at both the source and display ends to ensure they are secure.
- Confirm that your display is set to the correct DisplayPort input.
- Test with a different HDMI source device or DisplayPort monitor if possible, to isolate the issue.

- **Incorrect Resolution or Refresh Rate:**

- Remember that the cable cannot upscale or downscale resolutions. Both your source device and display must support the desired resolution and refresh rate natively.
- Adjust the display settings on your source device (PC, console) to match the capabilities of your DisplayPort monitor. Refer to the "Operating and Resolution Settings" section for specific guidance.
- Ensure your monitor's DisplayPort input supports the required HDCP version (e.g., HDCP 2.2 for 4K content).

- **Intermittent Signal / Flickering:**

- Ensure the USB power supply is stable and sufficient (5V/2A recommended).
- Check for any physical damage to the cable or connectors.
- Reduce the cable length if using additional extension cables (though this cable is not compatible with DP 1.2 extension cables).

Specifications

Feature	Detail
Brand	BolAAzuL
Model Number	H21DP14
Product Dimensions (L x W x H)	180 x 0.2 x 180 cm (approx. 2 meters length)
Weight	280 grams
Connector Type	USB, HDMI
Cable Type	HDMI to DisplayPort Converter Cable
Compatible Devices	Laptops/Desktops, PS3/PS4/PS4 Pro/PS5, Monitors, Xbox Series X/Xbox Series S, Apple TV
Special Feature	Braided cable design
Recommended Uses	Gaming Consoles, Computers, Monitors
Color	4K @ 120 Hz (refers to capability, not physical color)
Connector Gender	Male to Female (HDMI Male to DisplayPort Female with USB Male for power)
Data Transfer Rate	30 Gigabits per second
Shape	Round cable
Max Resolution/Refresh Rate	8K@30Hz, 4K@120Hz, 2K@144Hz
Power Requirement	External USB 5V/2A power supply

Warranty and Support

Information regarding the specific warranty period or support contact details for the BolAAzuL H21DP14 cable is not available in this manual. For warranty claims, technical support, or further inquiries, please refer to the product packaging, the manufacturer's official website, or contact the retailer from whom you purchased the product.