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› NEWCARE 4K@60Hz HDMI Splitter 1 in 3 Out User Manual

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Model: 4K@60Hz HDMI Splitter 1 in 3 Out

1. INTRODUCTION

The NEWCARE 4K@60Hz HDMI Splitter 1 in 3 Out is designed to duplicate a single HDMI input signal to three separate display outputs simultaneously. This device is ideal for applications requiring the same content to be shown on multiple screens, such as presentations, digital signage, or home entertainment setups. It supports Ultra HD 4K resolution at 60Hz, Full HD 1080P, 3D, HDR10, and Dolby Vision & Atmos, ensuring high-quality video and audio synchronization.

This splitter is a mirror-type device, meaning it will display identical content on all connected screens. It does not support extended display modes where each screen shows different content.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x NEWCARE 4K@60Hz HDMI Splitter 1 in 3 Out
- 1x 4 Ft HDMI 2.0 Cable
- 1x USB Cable with Power Adapter (5V 1A)
- 1x User Guide



Image: The NEWCARE HDMI Splitter 1x3 and its included accessories, including the splitter unit, HDMI cable, power adapter, and user guide.

3. SPECIFICATIONS

Feature	Description
Model	4K@60Hz HDMI Splitter 1 in 3 Out
Input Ports	1x HDMI
Output Ports	3x HDMI
Supported Resolutions	UHD 4K@60Hz, Full HD 1080P, 3D
HDR Support	HDR10, Dolby Vision
Audio Formats	DTS, DTS-HD, Dolby TrueHD, Dolby AC3, DSD
HDMI Version	HDMI 2.0 (backward compatible with lower versions)
HDCP Version	HDCP 2.2 (backward compatible with lower versions)
Data Transfer Rate	18.5 Gbps
Power Supply	5V 1A DC (via included USB power adapter)
Auto Downscaler	Allows 4K and 1080P displays to work simultaneously under the same refresh rate.
Compatible Devices (Input)	PC, PS5/4/3, Fire Stick, TV Box, Blu-ray Player, Laptop, Gaming Console
Compatible Devices (Output)	HD TV, Projector, Monitor



Image: Visual representation of the 4K@60Hz HDMI Splitter's capabilities, including 4K@60Hz, 3D, HDMI 2.0, HDCP 2.2, and 18.5Gbps bandwidth.



Image: Demonstration of HDR10 support, showing enhanced brightness and dynamic contrast compared to non-HDR content.



Image: Illustration of 3D effects capability for an immersive viewing experience.

4. SETUP INSTRUCTIONS

Follow these steps to set up your HDMI splitter:

1. **Connect Output Displays:** Connect your monitors, TVs, or projectors to the three HDMI output ports (OUTPUT 1, OUTPUT 2, OUTPUT 3) on the splitter using HDMI 2.0 cables.
2. **Connect Input Device:** Connect your HDMI source device (e.g., PC, PS5, Blu-ray player) to the single HDMI input port (INPUT) on the splitter using an HDMI 2.0 cable.
3. **Power the Splitter:** Use the included USB cable and 5V 1A power adapter to connect the splitter to a power outlet. Ensure the power adapter is securely plugged in.
4. **Verify Connection:** Once powered, the in/power/out LED indicators on the splitter will light up red, indicating it is ready for use.

Setup Tip: For optimal performance and to prevent screen flickering or blackouts, connect the display devices first, then the input source, and finally plug in the 5V 1A power adapter.



Auto Downscaler

4K 1080P 1080P

4K

Resolution	Cable Spec	Input	Output	Total
4K	HDMI 2.0 (AWG 26)	≤5m/16ft	≤5m/16ft	≤10m/32ft
1080P	HDMI 2.0 (AWG 26)	≤10m/32ft	≤10m/32ft	≤20m/64ft



4K and 1080P can be displayed at the same time as long as the refresh rates are the same.

Image: A four-step diagram illustrating how to connect the HDMI splitter: 1. Connect output displays, 2. Connect input device, 3. Connect power adapter, 4. Verify LED indicators.



Image: A visual guide to compatible input devices (Laptop, TV box, Switch, PC, PS4, Fire Stick) and output devices (TV, Monitor, Projector, VR) for the HDMI splitter.

5. OPERATING INSTRUCTIONS

Once the setup is complete and the splitter is powered on, it will automatically detect the input signal and distribute it to all three connected output displays. The splitter operates as a mirror device, meaning all three output displays will show the exact same content from the single input source.

No additional software or drivers are required for operation. The device is plug-and-play.



Image: An illustration depicting a single source displaying the same content across three different rooms (Children's Room, Bedroom, Living Room) using the HDMI splitter.

6. IMPORTANT LIMITATIONS AND NOTES

Please be aware of the following important limitations and considerations:

- **No Extended Displays (MST Mode):** This splitter is a mirror-type device. It duplicates the exact same content to all three output displays. It does not support extending your desktop or displaying different content on each screen.
- **No Audio Device Support:** This splitter cannot connect directly to audio devices like speakers via eARC/ARC. Audio is passed through the HDMI outputs to the connected displays.
- **No Input Switching:** This device supports only one HDMI input. It is not designed for switching between multiple input sources.
- **Requires Power Connection:** A stable 5V 1A power adapter connection is mandatory for proper operation. Issues such as flickering, signal loss, or no signal may occur without adequate power.
- **Use High-Quality HDMI Cables:** To ensure stable signal transmission, it is recommended to use AWG26 HDMI 2.0 (19+1) cables. For 4K content, input/output cable length should be $\leq 16\text{ft}$ (5m). For 1080P content, input/output cable length should be $\leq 32.8\text{ft}$ (10m). The total cable length (input + output) for 4K should not exceed 32ft (10m), and for 1080P, it should not exceed 64ft (20m).
- **Set to Lowest Resolution for Multiple Displays:** When connecting multiple displays with different native resolutions, the source device may default to the lowest common resolution. To ensure all outputs display properly, you may need to manually set the source resolution to match the lowest display's resolution.
- **No HDCP Bypass:** This product supports HDMI 2.0 and HDCP 2.2. It only transmits HDMI signals and does not support HDCP content decryption or bypass.

Important Notification Before Purchase

- **1. Does Not Support MST (Extended ABC Mode) :**
This product is a mirror-type splitter. All four output ports will display the exact same content. It does not support displaying different content on four screens.
- **2. Requires Power Connection :**
Ensure connected 5V 1A power adapter. Otherwise, issues such as flickering, signal loss, or no signal may occur.
- **3. Use High-Quality HDMI Cables :**
To ensure stable signal transmission, it is recommended to use HDMI 2.0 (AWG 26) cables. For 4K content, keep input/output cable length within 5m (16.4ft). For 1080P, keep input/output cable length within 10m (32.8ft).
- **4. Set to the Lowest Resolution for Multiple Displays :**
When connecting multiple displays with different resolutions, the source device may default to the lowest resolution. To ensure all outputs display properly, manually set the resolution to match the lowest display's resolution.
- **5. Not Support HDCP Bypass :**
This product supports HDMI 2.0, HDCP 2.2, it only supports HDMI signals and does not support HDCP content decryption.

Image: A visual representation of the three main unsupported features: no MST mode (extended screen), no audio device support, and no 3-in-1 input switching.

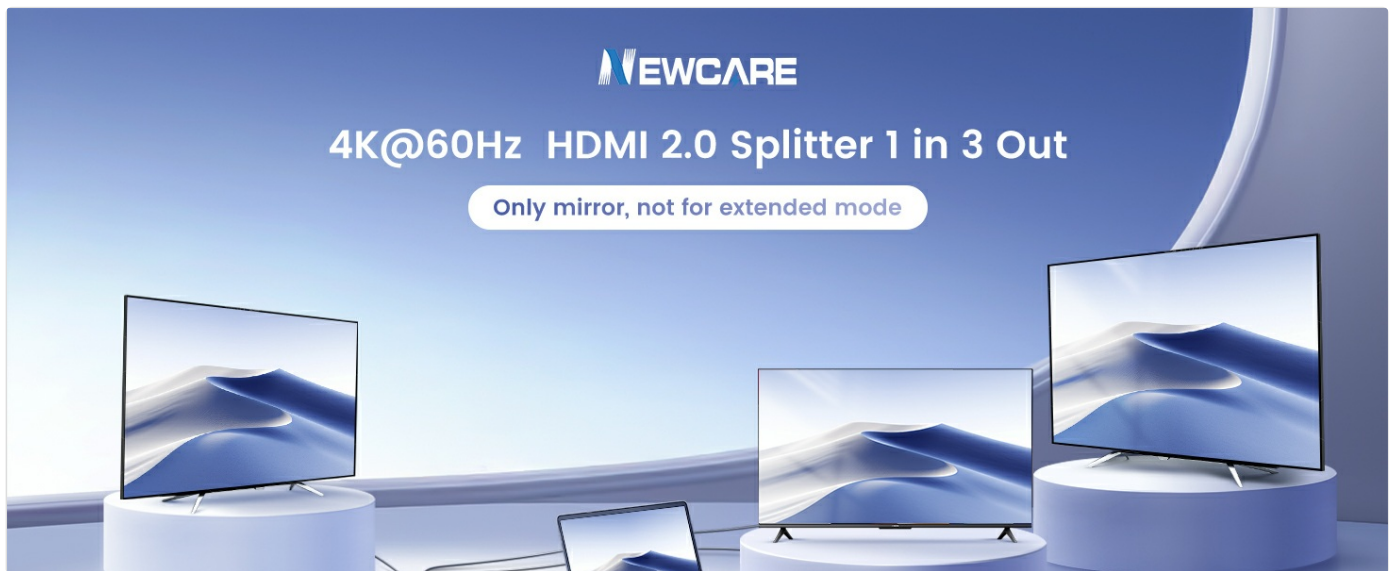


Image: A summary of important notifications before purchase, including limitations on MST mode, power requirements, cable quality, resolution settings, and HDCP support.

7. TROUBLESHOOTING

If you encounter issues with your NEWCARE HDMI Splitter, please refer to the following troubleshooting steps:

- **No Signal or Black Screen:**
 - Ensure the 5V 1A power adapter is securely connected and the splitter's LED indicators are lit.
 - Check all HDMI cable connections. Disconnect and reconnect them firmly.
 - Try using different HDMI cables, especially high-quality HDMI 2.0 (AWG26) cables, as faulty or low-quality cables can cause signal issues.
 - Verify that your input source and output displays are powered on and functioning correctly.
 - If connecting to multiple displays with different resolutions, try setting the input source to the lowest common resolution supported by all displays.
 - Ensure the total length of your HDMI cables (input + output) does not exceed the recommended limits (16ft for 4K, 32.8ft for 1080P per segment, or 32ft total for 4K, 64ft total for 1080P).

- **Flickering Screen or Unstable Picture:**

- Confirm the power adapter is providing stable power. Try a different power outlet if necessary.
- Replace HDMI cables with shorter, higher-quality ones if possible.
- Reduce the resolution or refresh rate of the input source to see if the issue resolves.
- Ensure there are no strong electromagnetic interference sources nearby.

- **Audio Issues:**

- Confirm that your displays support audio passthrough via HDMI.
- Remember that the splitter does not support direct connection to external audio devices via eARC/ARC.

8. WARRANTY AND SUPPORT

This NEWCARE HDMI Splitter comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any questions regarding the product, please contact NEWCARE customer service through the retailer's platform or the official NEWCARE website. Please have your purchase details and product model number ready when contacting support.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

