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UGREEN 90513

UGREEN HDMI Splitter 1 Input 2 Output User Manual

Model: 90513

Brand: UGREEN

1. Introduction and Overview

This manual provides detailed instructions for the UGREEN HDMI Splitter (Model 90513), a device designed to duplicate a single HDMI input signal to two HDMI output displays simultaneously. It supports high-resolution video up to 4K@60Hz and advanced audio formats, making it suitable for various home and professional setups. This splitter is ideal for scenarios requiring content from one source to be shown on multiple screens, such as presentations, gaming setups, or multi-room entertainment.



Image: The UGREEN HDMI Splitter unit with its accompanying USB power cable and HDMI cable.

2. Product Features

- **HDMI Splitter 1 Input 2 Output:** Allows one HDMI source (e.g., PC, Blu-ray player) to be displayed on two televisions or monitors simultaneously. This is useful for presentations, multi-display setups, or sharing content across different rooms.
- **4K@60Hz High Resolution & HDR Support:** Supports 4K@60Hz resolution, delivering high-definition video quality. Compatible with HDR (High Dynamic Range) for enhanced contrast and color, preventing black crush and white washout for a

more natural and realistic image.

- **EDID Control Switch:** Features an EDID control switch with 4 pre-recorded EDID modes, allowing for automatic acquisition or fixed resolution mode selection for stable image transmission. This helps in resolving compatibility issues between source and display devices.
- **High-Quality Audio Support:** Supports various audio formats including DTS-HD, Dolby-TrueHD, LPCM7.1, DTS, Dolby-AC3, and DSD, enabling a high-quality audio experience when connected to compatible AV amplifiers.
- **Wide Compatibility:** Backward compatible with 4K@60Hz, 1080P, 1080i, 720P, 576P, 480P, 576i, 480i. Compatible with HDMI output devices such as PCs, PS5, PS4, PS3, Xbox360, TV Boxes, and DVD players. Also compatible with HDMI input devices like TVs, DLPs, LCDs, and projectors.

3. Package Contents

Please verify that all items are present and in good condition upon opening the package:

- 1 x UGREEN HDMI Splitter Unit (Model 90513)
- 1 x USB Power Cable
- 1 x HDMI Cable
- 1 x User Manual (this document)

4. Product Diagram and Components

Familiarize yourself with the ports and indicators on the UGREEN HDMI Splitter:



Image: Top view of the HDMI Splitter showing the input and output ports.

HDMI IN: Connects to your HDMI source device (e.g., PC, game console).

HDMI OUT 1: Connects to your primary HDMI display.

HDMI OUT 2: Connects to your secondary HDMI display.

Power Port: USB-C port for connecting the included USB power cable.

EDID Switch: Dip switch for configuring EDID settings (located on the side/bottom).

EDID設定

	HDMI 出力ポート1	HDMI出力ポート2
	解像度が低いディスプレイの解像度	
	1080P@60Hz	
	4K@60Hz	
	接続済み	出力 1 の解像度を出力 2 に複製します。出力 2 ディスプレイの解像度が出力 1 より低い場合、出力 2 は 1080P@60Hz を表示します。
	未接続	1080P@60Hz

注: パフォーマンスを向上させるには、高解像度ディスプレイを出力 1 に接続してください。

Image: Bottom view of the HDMI Splitter highlighting the EDID switch.

5. Setup Instructions

Follow these steps to set up your UGREEN HDMI Splitter:

1. **Connect Power:** Connect the included USB power cable to the splitter's power port and then to a USB power adapter (not included) or a USB port on your source device/display. Ensure the splitter receives stable power.
2. **Connect HDMI Input:** Use an HDMI cable to connect your HDMI source device (e.g., PC, PS5, Blu-ray player) to the "HDMI IN" port on the splitter.
3. **Connect HDMI Outputs:** Use two separate HDMI cables to connect your primary display to "HDMI OUT 1" and your secondary display to "HDMI OUT 2".
4. **Power On Devices:** Power on your HDMI source device and both display devices. The splitter should automatically detect the signals and display the content on both screens.



Image: Example setup showing a laptop connected to the splitter, extending the display to two external monitors.



Image: Example setup showing a PS5 connected to the splitter, displaying content on both a television and a monitor.

6. Operating Instructions: EDID Settings

The EDID (Extended Display Identification Data) switch allows you to manage how the splitter communicates with your display devices regarding resolution and audio capabilities. This can help resolve display issues or ensure optimal performance.

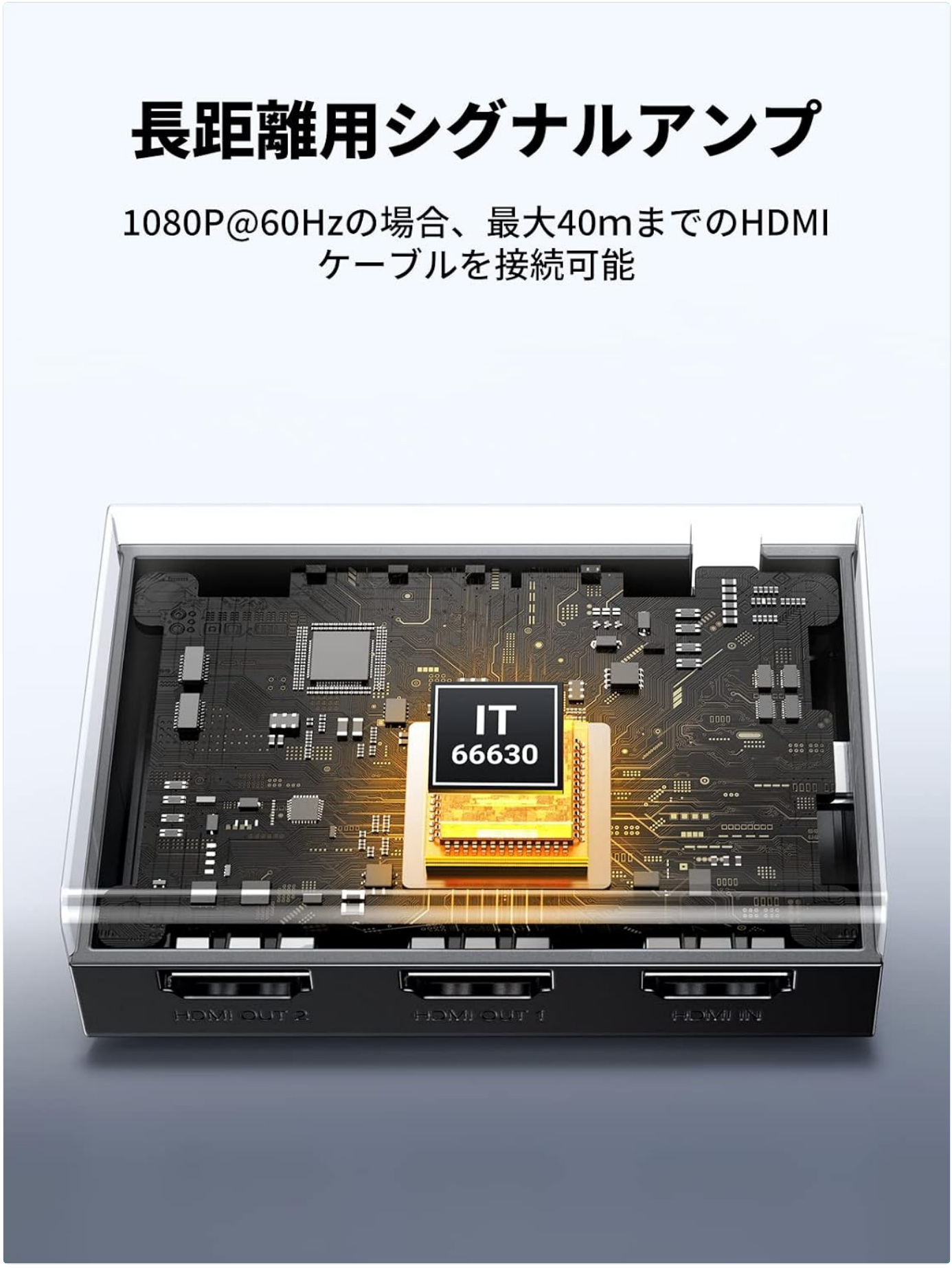


Image: Detailed view of the EDID dip switch.

The EDID switch has two toggles, labeled 1 and 2, which can be set to ON or OFF (down). The combination of these settings determines the EDID mode:

EDID Mode Configuration

Switch 1	Switch 2	HDMI Output Port 1	HDMI Output Port 2	Description
OFF	OFF	Lower resolution of connected display	Lower resolution of connected display	The splitter will output the lowest common resolution supported by both connected displays.
ON	OFF	1080P@60Hz	1080P@60Hz	Forces both outputs to 1080P@60Hz.
OFF	ON	4K@60Hz	4K@60Hz	Forces both outputs to 4K@60Hz.
ON	ON	Connected	If Output 2 display resolution is lower than Output 1, Output 2 displays 1080P@60Hz.	Output 1 copies the resolution of the connected display. Output 2 adjusts based on its capabilities relative to Output 1.

Note: For optimal performance, connect your highest resolution display to HDMI Output 1.

7. Compatibility

The UGREEN HDMI Splitter offers broad compatibility with a variety of devices:



Image: Visual representation of compatible input and output devices.

Compatible Input Devices:

- Xbox One
- PlayStation 4/5 (PS4/PS5)
- Laptops
- Desktop PCs
- TV Boxes
- Blu-ray Players
- DVD Players
- Other HDMI-enabled source devices

Compatible Output Devices:

- HDTVs
- Monitors
- Projectors
- DLP Displays
- LCD Displays
- Other HDMI-enabled display devices

8. Troubleshooting

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

- **No Signal on Display:**
  - Ensure all HDMI cables are securely connected to both the source and display devices, as well as the splitter.
  - Verify that the splitter is receiving adequate power via the USB power cable.
  - Try adjusting the EDID switch settings (refer to Section 6) to match the capabilities of your displays.
  - Test with different HDMI cables, as faulty cables can cause signal loss.
  - Connect the source directly to a single display to confirm the source and display are functioning correctly.
- **Flickering or Distorted Image:**
  - Check the resolution settings on your source device. Ensure it is compatible with both your displays and the splitter's capabilities.
  - Adjust the EDID switch settings to a fixed resolution (e.g., 1080P@60Hz) to see if the issue persists.
  - Ensure HDMI cables are of high quality and rated for the resolution you are attempting to transmit (e.g., High-Speed HDMI for 4K).
- **No Audio or Poor Audio Quality:**
  - Verify that your display devices or AV amplifier support the audio format being output by the source.
  - Check the audio settings on your source device.
  - Some EDID settings can affect audio. Try different EDID modes to see if it resolves the audio issue.
- **CEC Functionality Issues:**
  - While the splitter supports HDMI CEC control, compatibility can vary between devices. Ensure CEC is enabled on all connected devices.
  - If one display is causing issues, try disconnecting it to isolate the problem.

9. Specifications

Feature	Detail
Brand	UGREEN
Model Number	90513
Connector Type	HDMI
Input Ports	1 x HDMI IN
Output Ports	2 x HDMI OUT
Max Resolution Support	4K@60Hz
HDR Support	Yes
HDCP Support	HDCP 2.2
3D Support	Yes
Audio Formats Supported	DTS-HD, Dolby-TrueHD, LPCM7.1, DTS, Dolby-AC3, DSD
Power Supply	USB Powered
Color	Black
Product Dimensions	2.4 x 5.2 x 7.7 cm
Product Weight	190 g
Release Year	2023
ASIN	B0B129NNV1

10. Warranty and Support

UGREEN provides a **24-month warranty period** for this product from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

Warranty Exclusions: Please note that the warranty does not cover damages caused by intentional misuse, accidents, unauthorized modifications, or repairs performed by third parties.

For technical support, warranty claims, or any inquiries regarding your UGREEN HDMI Splitter, please contact UGREEN customer service through the official UGREEN website or your point of purchase. Please have your product model number and purchase

details ready when contacting support.

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