

UGREEN 10427

UGREEN Mini DisplayPort to HDMI VGA Adapter (Model 10427) User Manual

Connect your Mini DisplayPort device to HDMI or VGA displays

1. INTRODUCTION

The UGREEN Mini DisplayPort to HDMI VGA Adapter (Model 10427) is designed to connect devices equipped with a Mini DisplayPort (Mini DP) or Thunderbolt 1/2 output to an external display, monitor, HDTV, or projector via either an HDMI or VGA port. This adapter facilitates high-definition video and audio transmission (via HDMI) for an enhanced viewing experience.

2. SAFETY INFORMATION

- **Port Compatibility:** Before connecting, please confirm that the port on your laptop or source device is a Mini DisplayPort, Mini DP, Thunderbolt (1st Gen), or Thunderbolt 2. This adapter is **NOT** compatible with Thunderbolt 3 or Thunderbolt 4 ports.
- **Simultaneous Output:** The HDMI and VGA ports on this adapter cannot be used simultaneously. Only one display output (either HDMI or VGA) can be active at a time.
- **Handling:** Handle the adapter with care. Avoid excessive force when connecting or disconnecting cables.
- **Environment:** Do not expose the adapter to extreme temperatures, humidity, or direct sunlight. Keep it away from liquids.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x UGREEN Mini DisplayPort to HDMI VGA Adapter
- 1 x User Manual

4. PRODUCT OVERVIEW

The UGREEN Mini DisplayPort to HDMI VGA Adapter is a compact and versatile solution for connecting your Mini DP enabled devices to various display types. It features a Mini DisplayPort input and separate HDMI and VGA output ports.



Mini DP to HDMI VGA Adapter

Image: The UGREEN Mini DisplayPort to HDMI VGA Adapter, showing its Mini DP input, HDMI output, and VGA output ports. It is connected to a laptop, with external HDMI and VGA cables shown.

Key Features:

- **Dual Output Options:** Provides both HDMI and VGA output ports for broad compatibility with various displays.
- **High Resolution Support:** Supports resolutions up to 4K@30Hz via HDMI and 1080P@60Hz via VGA.
- **Gold-Plated Connector:** Features a 24K gold-plated Mini DisplayPort connector for enhanced signal transmission and durability.
- **Durable Cable:** Equipped with a flexible PVC cable for longevity and ease of use.
- **Advanced Chipsets:** Incorporates dual advanced chipsets for stable transmission and anti-jamming capabilities.



**24K Gold-plated
Connector**



**Flexible
PVC Cable**

Image: A detailed view of the adapter's 24K gold-plated Mini DisplayPort connector and the flexible PVC cable, highlighting its construction quality.

5. SETUP INSTRUCTIONS

Follow these steps to connect your device to an external display:

1. **Connect the Adapter to Source Device:** Plug the Mini DisplayPort connector of the UGREEN adapter into the Mini DisplayPort or Thunderbolt 1/2 port on your laptop or source device.
2. **Connect to Display:**
 - **For HDMI Display:** Connect an HDMI cable (not included) from your display to the HDMI port on the UGREEN adapter.
 - **For VGA Display:** Connect a VGA cable (not included) from your display to the VGA port on the UGREEN adapter.

Important: Only one output (HDMI or VGA) can be used at a time. Connecting both will not result in dual display output.

3. **Power On Devices:** Ensure both your source device and the external display are powered on.
4. **Configure Display Settings:** Your operating system should automatically detect the external display. If not, you may need to manually configure display settings in your computer's system preferences (e.g., System Preferences > Displays on macOS, or Display Settings on Windows).

Broad Compatibility

Mini DP to HDMI & VGA Adapter

Mini DP



Macbook



iMac



Lenovo Thinkpad



Microsoft Surface



Mini DP



VGA



HDMI

HDMI&VGA



HDTV



Monitor



Projector



Image: A visual representation of the adapter's broad compatibility, illustrating connections from Mini DP source devices like MacBooks and Surface Pro to HDMI/VGA displays, monitors, and projectors.

6. OPERATING INSTRUCTIONS

Once connected, you can configure your display setup for various uses:

Display Modes:

- **Mirror Mode:** Duplicates your primary screen onto the external display. This is ideal for presentations or sharing content with an audience.
- **Extend Mode:** Extends your desktop across both screens, allowing you to have more workspace. This is useful for multitasking, such as having different applications open on each display.

You can switch between these modes through your computer's display settings.

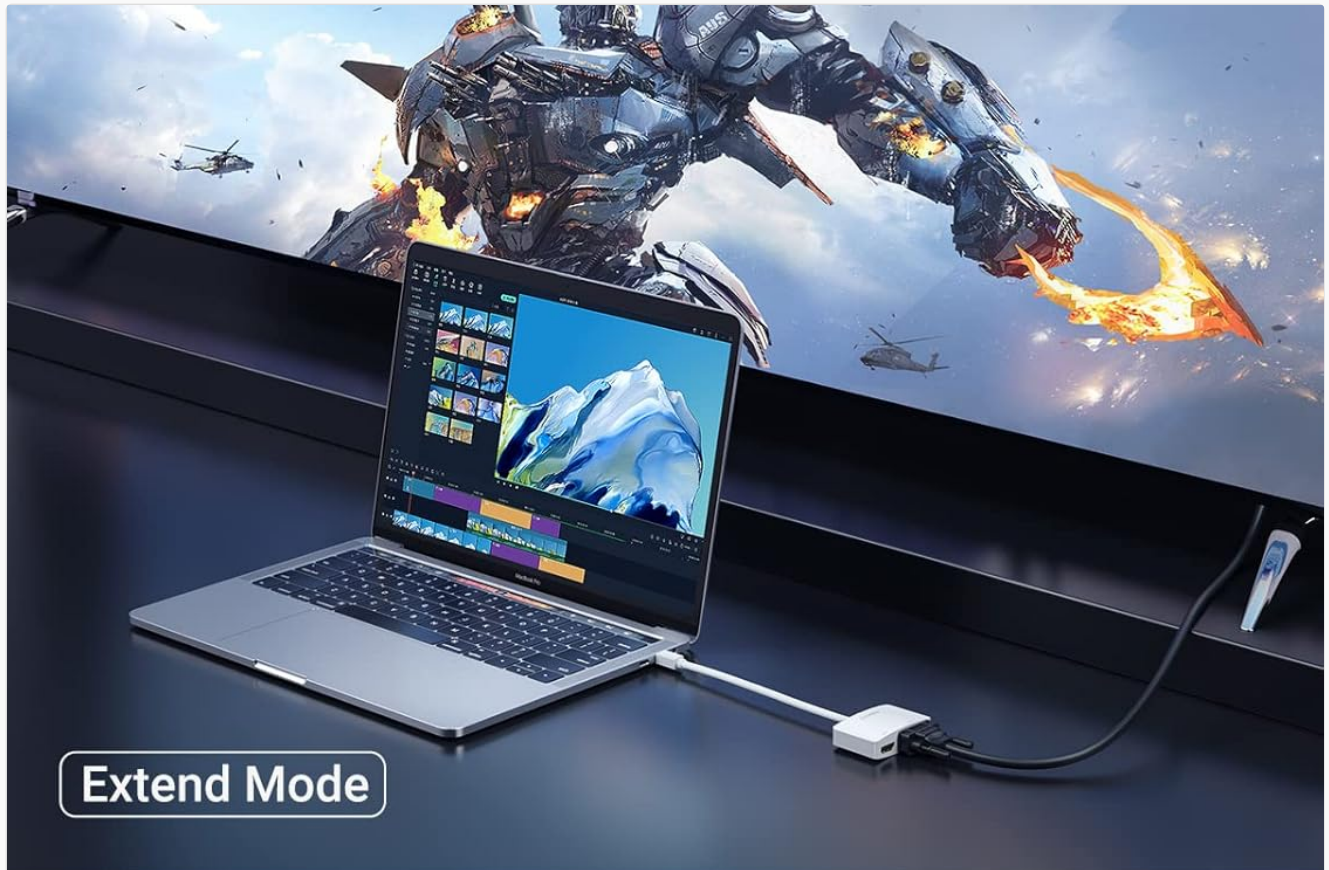


Image: A laptop connected to an external monitor, illustrating the visual difference between Extend Mode (desktop spread across two screens) and Mirror Mode (same content on both screens).

Audio Transmission (HDMI Only):

When using the HDMI output, the adapter transmits both video and audio signals. For VGA output, audio must be transmitted separately as VGA is a video-only interface.

Ideal Projector Assistant

The image illustrates a presentation setup using a projector and a laptop. The projector screen displays a 'Market Research' dashboard with the following data:

- Market Research** (Based on 5,000 participants)
- User Roles who took the survey**
 - 37% Operations Manager
 - 20% Marketing Manager
 - 18% Customer Support
 - 16% Data Analyst
 - 9% Student
- Where users are located**
 - USA 38%
 - Asia-Pacific 27%
 - Canada 20%
 - Europe 15%
- Topics that drive engagement**
 - Marketing Topics: 1,927
 - Best Practices: 1,285
 - Podcasts: 993
 - Product Info: 690
 - Social Trends: 315

The laptop screen also displays the same 'Market Research' dashboard. A white HDMI adapter is connected to the laptop and the projector. A note at the bottom states: 'Note: HDMI and VGA interface monitors can't be displayed at the same time'.

Image: A laptop connected to a projector using the UGREEN adapter, demonstrating its use as an ideal projector assistant for presentations.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **No Display/Signal:**
 - Ensure the Mini DisplayPort connector is fully inserted into your source device.
 - Verify that the HDMI or VGA cable is securely connected to both the adapter and the display.
 - Check that the correct input source is selected on your external display (e.g., HDMI 1, VGA).
 - Restart your computer and external display.
 - Try connecting the adapter to a different Mini DisplayPort on your source device, if available.
- **HDMI and VGA Not Working Simultaneously:** This adapter is designed to support only one output (HDMI or VGA) at a time. It does not support simultaneous dual display output.
- **Resolution Issues:**
 - Ensure your display and cables support the desired resolution.
 - Adjust the display resolution in your computer's system settings.
 - For optimal performance, use high-quality HDMI or VGA cables.
- **No Audio (HDMI):**
 - Check your computer's sound settings to ensure the HDMI output is selected as the default audio device.
 - Verify that your HDMI display has built-in speakers or is connected to external audio.
- **Flickering or Unstable Display:**
 - Ensure all connections are firm.
 - Try a different HDMI or VGA cable.
 - Reduce the display resolution to see if the issue persists.

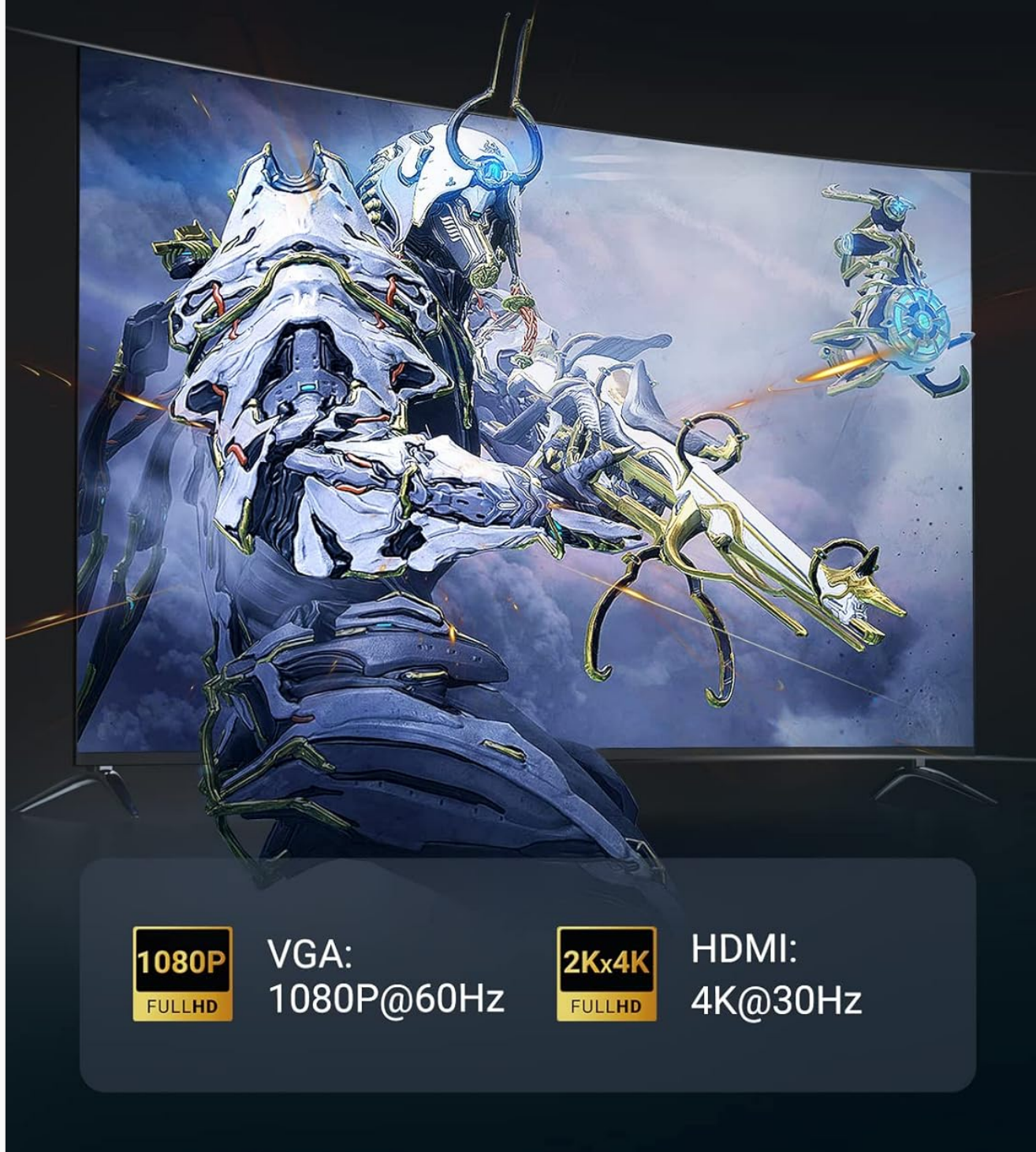
8. SPECIFICATIONS

Feature	Specification
Model Number	10427
Input	Mini DisplayPort (Mini DP), Thunderbolt 1/2
Output	HDMI, VGA (one at a time)
HDMI Resolution Support	Up to 4K@30Hz, 2560x1440@60Hz, 1920x1080@144Hz
VGA Resolution Support	Up to 1920x1200@60Hz, 1080P@60Hz (Full HD)

Feature	Specification
Audio Support	HDMI only
Color	White
Product Dimensions	8 x 8 x 8 inches (approximate, based on product data)
Item Weight	2.01 ounces
Compatible Devices	2015 and before MacBook Pro, Mac Pro, iMac, Mac mini, MacBook Pro Retina; 2017 and before MacBook Air; Microsoft Surface Pro 1/2/3/4/6, Surface Book, Surface Laptop 2, Surface Studio; Yoga, ThinkPad X1 Carbon, X230/X240s, L430/L440/L530/L540, T430/T440/T440s/T440p/T530/540p; Dell XPS 14/15/17 (before 2016); Alienware 14/17/18; Acer Aspire R7/S7/V5/V7; Intel NUC; Asus Zenbook. Not Support: Surface Pro 7/Surface Book 2/Surface Studio 2, Thunderbolt 3/4.

High Resolution

Capture every detail



VGA:
1080P@60Hz



HDMI:
4K@30Hz

Image: A graphic demonstrating the high-resolution support of the adapter, showing 1080P@60Hz for VGA and 4K@30Hz for HDMI.

9. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Do not use liquid cleaners or aerosols.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid bending the cable sharply.

- **Protection:** Protect the connectors from dust and debris by using caps if available.

10. WARRANTY AND SUPPORT

UGREEN products are designed to provide reliable performance. For warranty information or technical support, please refer to the warranty card included with your product or visit the official UGREEN website. You may also contact UGREEN customer service directly for assistance with product setup, operation, or troubleshooting.

UGREEN Official Website: www.ugreen.com



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