BENFEI 000272black

BENFEI HDMI to VGA Adapter Instruction Manual

MODEL: 000272BLACK

1. Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your BENFEI HDMI to VGA Adapter. Please read this manual thoroughly before use to ensure optimal performance and longevity of the device. This adapter is designed to convert digital HDMI signals from a source device to analog VGA signals for display on a VGA-compatible monitor, projector, or TV.

2. Product Overview

The BENFEI HDMI to VGA Adapter facilitates the connection between modern HDMI-enabled devices and older VGA displays. It features an HDMI input, a VGA output, a 3.5mm audio jack for sound, and a Micro USB port for optional power supply.

Figure 2.1: BENFEI HDMI to VGA Adapter connected to a laptop and a VGA monitor, illustrating its function. It highlights the unidirectional signal flow.

Key Components:

- **HDMI Input:** Connects to your HDMI source device.
- **VGA Output:** Connects to your VGA display device.
- **3.5mm Audio Jack:** Provides audio output for your VGA display (VGA does not carry audio).
- **Micro USB Power Port:** For optional external power, especially for high-power HDMI source devices.

Portable Size & High Quality

46 mm

46 mm

38 mm

INPUT ▶ BENFEI ▶ OUTPUT

330 mm
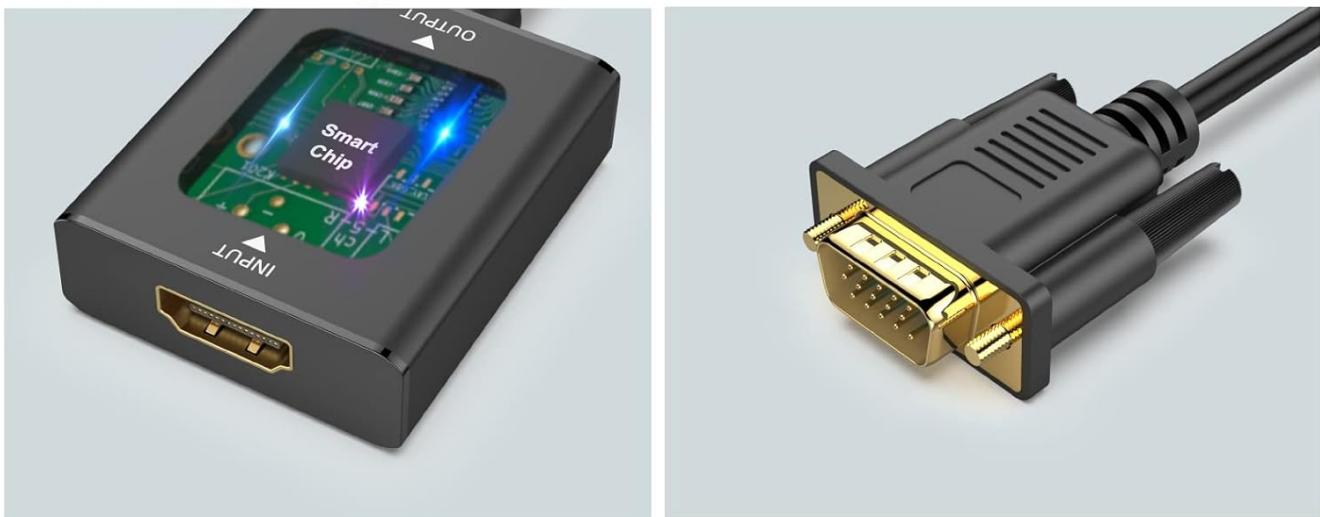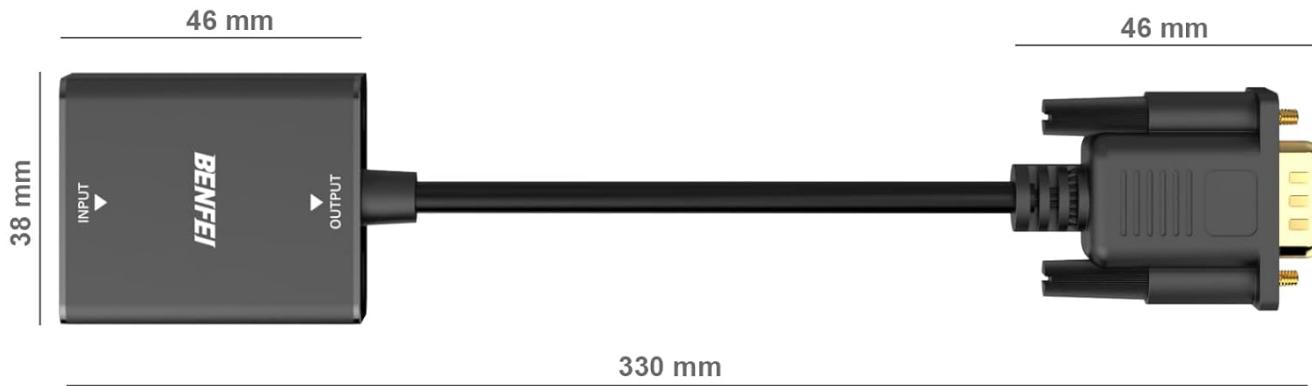
Upgraded chip solution

24K Gold Plated VGA connector

Figure 2.2: A detailed view of the adapter's internal smart chip, responsible for signal conversion, and the durable gold-plated VGA connector for reliable connection.

Figure 2.3: This image highlights the Micro USB port for optional external power, ensuring stable signal transmission for high-power devices, and the 3.5mm audio jack for audio output.

3. Setup Instructions

Follow these steps to set up your BENFEI HDMI to VGA Adapter:

1. **Connect HDMI Source:** Plug the HDMI connector from your source device (e.g., laptop, TV stick, gaming console) into the HDMI input port on the BENFEI adapter.
2. **Connect VGA Display:** Connect a VGA cable (not included) from your VGA display (e.g., monitor, projector) to the VGA output port on the BENFEI adapter. Secure the VGA cable with the screws if available.
3. **Connect Audio (Optional):** If your VGA display has audio input, connect a 3.5mm audio cable (included) from the adapter's 3.5mm audio jack to your display's audio input.
4. **Connect Micro USB Power (Optional but Recommended):** For optimal performance, especially with devices that require more power (like some TV sticks or gaming consoles), connect the included Micro USB cable from the adapter's Micro USB port to a USB power source (e.g., a USB port on your computer, a USB wall adapter).

Only Transmits Signal From HDMI Source to VGA Monitor

Figure 3.1: A visual guide demonstrating how to connect your HDMI source device (e.g., laptop) to the adapter's HDMI input, and then connect the adapter's VGA output to your VGA display (e.g., monitor or projector).

4. Operating Instructions

Once all connections are made and devices are powered on, your HDMI source device should automatically detect the connected VGA display. You may need to adjust display settings on your source device.

Display Modes:

- **Mirror Mode:** Duplicates the content of your HDMI source screen onto the VGA display.
- **Extended Mode:** Extends your desktop across both the HDMI source screen and the VGA display, allowing for more workspace.

These modes can typically be configured in your operating system's display settings (e.g., Windows Display Settings, macOS System Preferences).
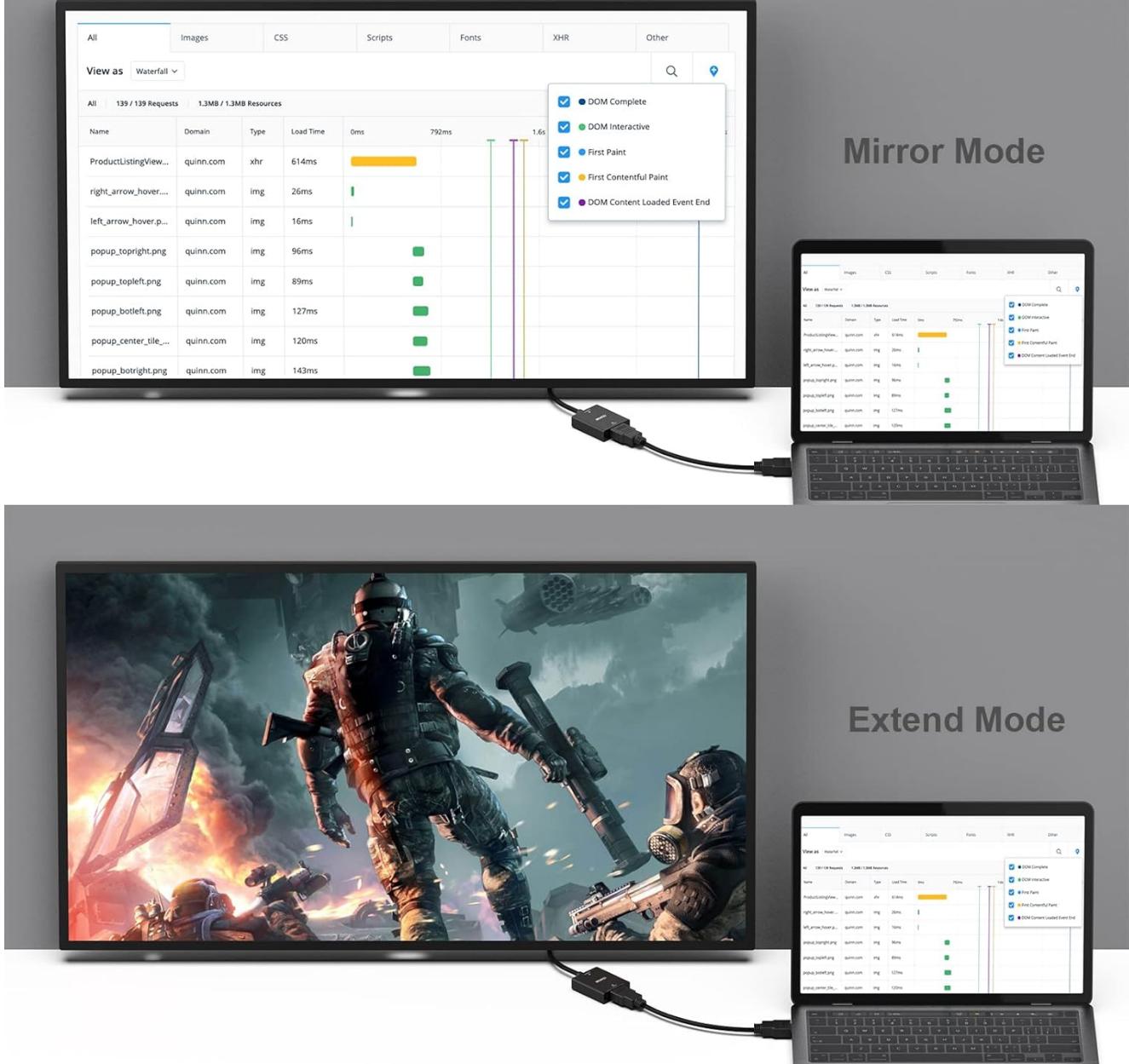
Figure 4.1: This image illustrates the two primary display modes: Mirror Mode, where the same content is shown on both screens, and Extended Mode, which allows for an expanded desktop across multiple displays.

Figure 4.2: An example of the adapter delivering high-definition 1080P@60Hz video output from a laptop to a larger display, providing clear and crisp visuals.

5. Important Notes & Compatibility

This adapter is **unidirectional**, meaning it only converts signals from HDMI to VGA. It cannot convert signals from VGA to HDMI.

Compatible HDMI Source Devices:

- Desktop/Notebook computers
- TV sticks (e.g., Fire TV Stick, Roku streaming player)
- Raspberry Pi
- Tablet PCs
- Digital set-top boxes
- Digital Cameras/SLR cameras/Video Cameras with HDMI output
- Gaming Consoles (e.g., Xbox, Sony PS4)

Compatible VGA Target Screens:

- All TVs/Monitors/Projectors/LCDs and other displays equipped with a VGA port.

VGA (Target Screen)

Projector

TV

Display

HDMI (Host Device)

TV Box ✔

TV Stick ✔

Laptop ✔

Xbox ✔

Desktop PC ✔

SONY PS4 ✔

Apple TV ✔

Apple MacBook Pro with Retina Display ✔

Mac Mini ✔

Roku streaming player ✔

Blu-ray player ✘

Figure 5.1: This diagram provides a comprehensive list of devices compatible with the adapter, including various HDMI sources like TV boxes, laptops, and gaming consoles, and VGA displays such as projectors, TVs, and monitors.

Figure 5.2: A practical application scenario showing the adapter facilitating the connection of a TV stick (HDMI source) to a television with a VGA input, expanding entertainment options.

6. Troubleshooting

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

- **No Signal on VGA Display:**

  - Ensure all cables (HDMI, VGA, Micro USB power) are securely connected.
  - Verify that the HDMI source device is powered on and outputting a signal.
  - Try connecting the Micro USB power cable to the adapter, as some HDMI devices may not provide sufficient power.
  - Check your source device's display settings to ensure it is configured to output to an external display.

- **Poor Picture Quality or Flickering:**

  - Ensure you are using a high-quality HDMI 1.4 Version cable within 26ft.
  - Connect the Micro USB power cable to the adapter to stabilize the signal.

- Adjust the resolution settings on your HDMI source device to match the optimal resolution of your VGA display (up to 1920x1080@60Hz).

- **No Audio Output:**

  - Confirm the 3.5mm audio cable is correctly connected from the adapter to your VGA display's audio input.
  - Check the volume settings on both your HDMI source device and your VGA display.
  - Ensure your VGA display has an audio input port and is configured to use it.

7. Specifications

Feature	Specification
Model Number	000272black
Input	HDMI Female
Output	VGA Male, 3.5mm Audio Jack
Power Input	Micro USB (optional)
Max Resolution	1920x1080@60Hz (1080p Full HD)
Color	Black
Item Weight	6.4 ounces
Package Dimensions	11.93 x 8.5 x 0.63 inches

8. Warranty and Support

BENFEI provides an unconditional 18-month warranty for this product, ensuring long-term satisfaction with your purchase. For any questions, technical assistance, or warranty claims, please contact BENFEI customer service through the retailer's platform or the official BENFEI website. Our friendly and easy-to-reach customer service team is available to help solve your problems timely.