

## BENFEI 000155black

# BENFEI HDMI to VGA Adapter (Model 000155black) User Manual

Gold-Plated HDMI to VGA Adapter (Male to Female)

## 1. INTRODUCTION

This manual provides instructions for the BENFEI HDMI to VGA Adapter, Model 000155black. This adapter is designed to convert a digital HDMI signal from a source device to an analog VGA signal for display on a VGA monitor or projector. It is a one-way signal transmission device, meaning it only transmits from HDMI to VGA, not the reverse.

## 2. PRODUCT OVERVIEW

The BENFEI HDMI to VGA adapter facilitates connecting modern HDMI-enabled devices to older VGA displays. It supports resolutions up to 1080P at 60Hz, providing clear and crisp visuals. The adapter features a gold-plated HDMI connector for enhanced signal transmission and durability, and an upgraded smart chip solution for stable performance.

### 2.1 Key Features

- **HDMI to VGA Conversion:** Converts digital HDMI input to analog VGA output.
- **High Resolution Support:** Supports resolutions up to 1080P @ 60Hz.
- **Gold-Plated Connector:** Ensures reliable signal transmission and corrosion resistance.
- **Durable Design:** Constructed with robust materials for longevity.
- **Compact and Portable:** Easy to carry and use in various settings.

### 2.2 Compatibility

This adapter is designed for specific signal flow and device types:

- **HDMI Host Devices (Input):** Compatible with Laptops, Desktop PCs, Roku streaming players, Xbox.
- **VGA Target Screens (Output):** Compatible with Projectors, TVs, Monitors, Displays.

**Important Note:**

- This adapter is **NOT** bi-directional. It only converts HDMI to VGA. It will not convert VGA to HDMI.
- It is **NOT** compatible with USB, DVI, DisplayPort (DP), Mini DisplayPort, Apple TV, Mac Mini, Blu-ray players, or PlayStation 4 (PS4) as HDMI source devices.

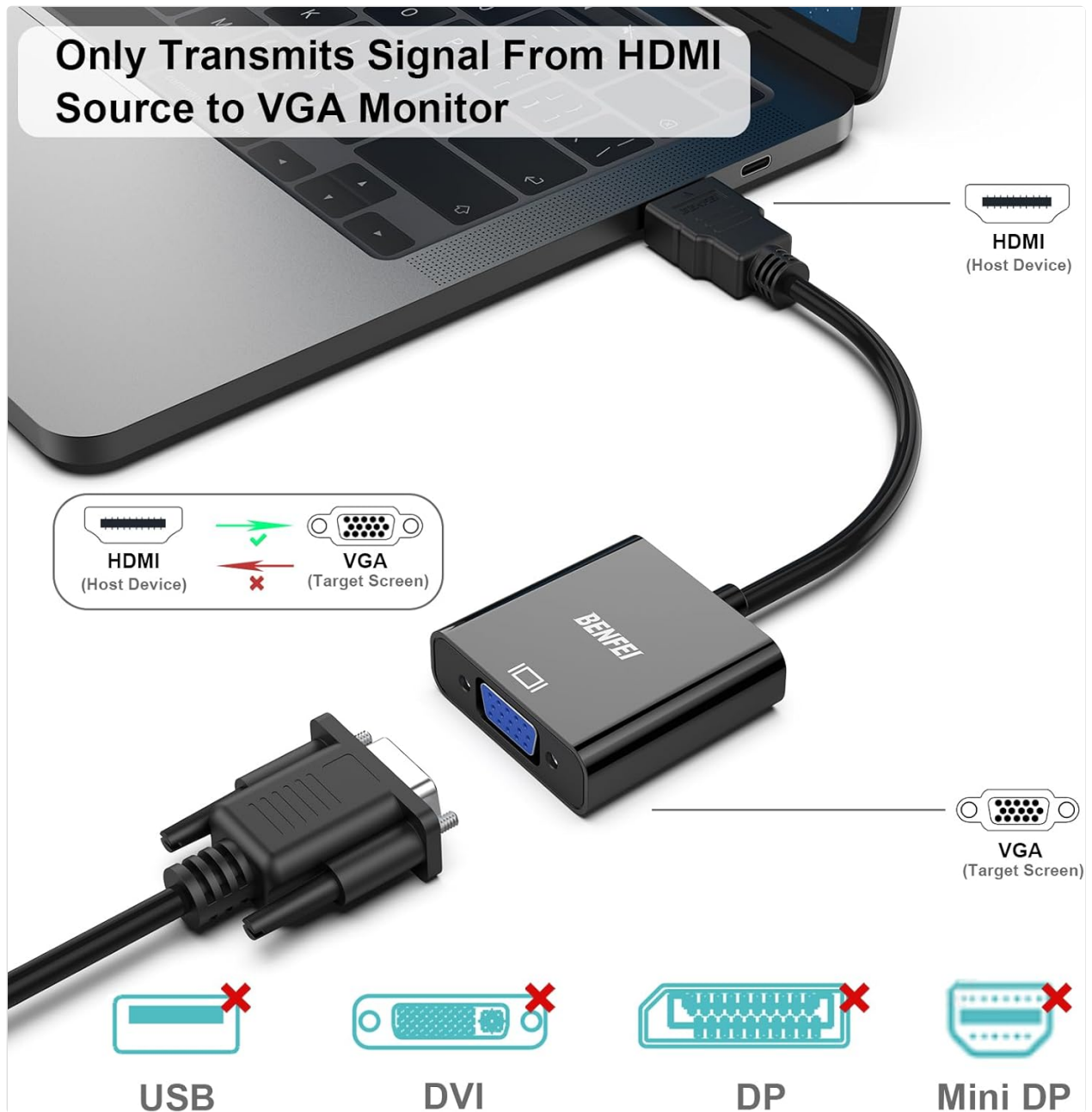


Figure 1: Signal Flow and Incompatible Ports. The adapter only transmits from HDMI (Host Device) to VGA (Target Screen).



Figure 2: Compatible Devices for HDMI Input and VGA Output.

### 3. SETUP INSTRUCTIONS

Follow these steps to connect your BENFEI HDMI to VGA adapter:

1. **Connect HDMI:** Plug the HDMI male connector of the adapter into the HDMI output port of your source device (e.g., laptop, desktop PC).
2. **Connect VGA:** Connect a VGA cable (not included) from your VGA display (e.g., monitor, projector) to the VGA female port on the adapter.
3. **Power On Devices:** Ensure both your HDMI source device and VGA display are powered on.
4. **Select Input:** On your VGA display, select the correct VGA input source if it has multiple inputs.

# Upgrade Your Workstation

One more monitor, much more efficiency



Figure 3: Example Setup for a Workstation with HDMI to VGA Adapter.

## 4. OPERATING INSTRUCTIONS

Once connected, your display should automatically detect the signal. You can configure your display settings on your source device for different modes:

- **Mirror Mode:** Duplicates the content of your primary display onto the VGA display. This is useful for presentations or sharing content.
- **Extend Mode:** Extends your desktop across both displays, allowing for a larger workspace. This is beneficial for multitasking and productivity.

To switch between display modes, access your operating system's display settings:

- **Windows:** Right-click on the desktop, select 'Display settings' or 'Screen resolution'.
- **macOS:** Go to 'System Preferences' > 'Displays'.

# Perfectly Working In Extended Mode or Mirror Mode



Mirror Mode



Extend Mode



Figure 4: Mirror Mode and Extend Mode Functionality.

# Enjoy 1080P@60Hz Resolution

High-definition and Crystal-clear Pictures



Figure 5: High-Definition Display at 1080P@60Hz Resolution.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your BENFEI HDMI to VGA adapter, follow these simple maintenance guidelines:

- **Keep Clean:** Gently wipe the adapter with a dry, soft cloth to remove dust. Avoid using liquid cleaners.
- **Store Properly:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid bending or twisting the cable excessively, and do not pull on the cable to disconnect. Always grasp the connector ends.
- **Avoid Moisture:** Do not expose the adapter to water or high humidity.

## 6. TROUBLESHOOTING

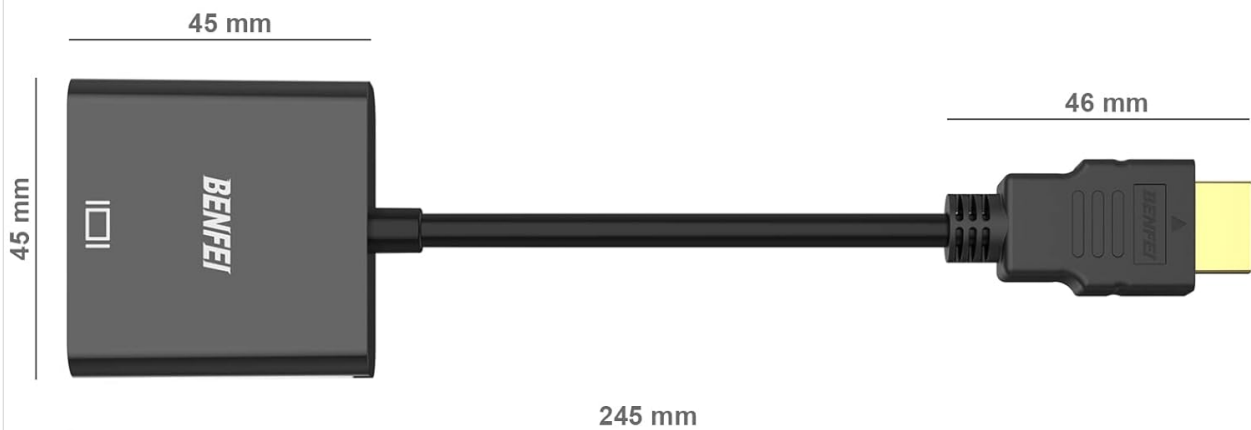
If you encounter issues with your adapter, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No display on VGA monitor	Incorrect connection, incompatible device, display input not selected, low power from source.	<p>Ensure all cables are securely connected.</p> <p>Verify your HDMI source and VGA display are compatible (refer to Section 2.2).</p> <p>Select the correct VGA input on your monitor/projector.</p> <p>Try connecting the adapter to a different HDMI port on your source device.</p> <p>Some devices may require an external power source for the adapter (though this model typically does not).</p>
Flickering or unstable image	Loose connection, cable quality, resolution mismatch.	<p>Check all connections for tightness.</p> <p>Ensure you are using a high-quality VGA cable.</p> <p>Adjust the resolution and refresh rate on your source device to match the capabilities of your VGA display.</p>
No audio	VGA does not transmit audio.	VGA is a video-only interface. This adapter does not support audio transmission. You will need a separate audio cable to connect your source device's audio output to your display's audio input or external speakers.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	000155black
Brand	BENFEI
Connector Type	HDMI Male to VGA Female
Max Resolution	1080P @ 60Hz
Product Dimensions	1 x 1 x 1 cm (adapter body); 27.22 g
Cable Length	Approximately 150mm (as per image)
Color	Black
Material Finish	Metallic
Compatible Devices	Computers, Notebooks, Desktops, Monitores, TVs, Projetores, Raspberry Pi, Consoles de jogos (HDMI source to VGA display)
Specific Uses	Presentations, Meetings, Home Office, Multimedia Use

## Portable Size & High Quality



Upgraded chip solution



24K Gold Plated HDMI connector

Figure 6: Adapter Dimensions and Key Components (Smart Chip, Gold-Plated HDMI).

## 8. WARRANTY INFORMATION

This BENFEI HDMI to VGA Adapter comes with a manufacturer's warranty of **90 Days** from the date of purchase. Please retain your proof of purchase for any warranty claims. The warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or external factors.

## 9. SUPPORT

For further assistance, technical support, or warranty inquiries, please contact your retailer or the BENFEI customer service. Refer to the product packaging or the retailer's website for specific contact details.