

GANA 3jin1-hei

GANA HDMI Switch 3 in 1 Out User Manual

Model: 3jin1-hei | Brand: GANA

1. PRODUCT OVERVIEW

The GANA HDMI Switch 3 in 1 Out is designed to connect up to three HDMI source devices to a single HDMI display, such as a TV or monitor. This device eliminates the need for frequent plugging and unplugging of HDMI cables, providing a convenient solution for managing multiple media sources. It supports high-resolution video up to 4K@60Hz, including 3D, UHD, and HDCP2.2 signals, ensuring a high-quality visual experience. The switch can be operated via a manual button on the unit or with the included IR remote control.



Image: The GANA HDMI Switch unit shown with its accompanying remote control. The switch is a compact black box with three input ports and one output port, designed for efficient cable management.

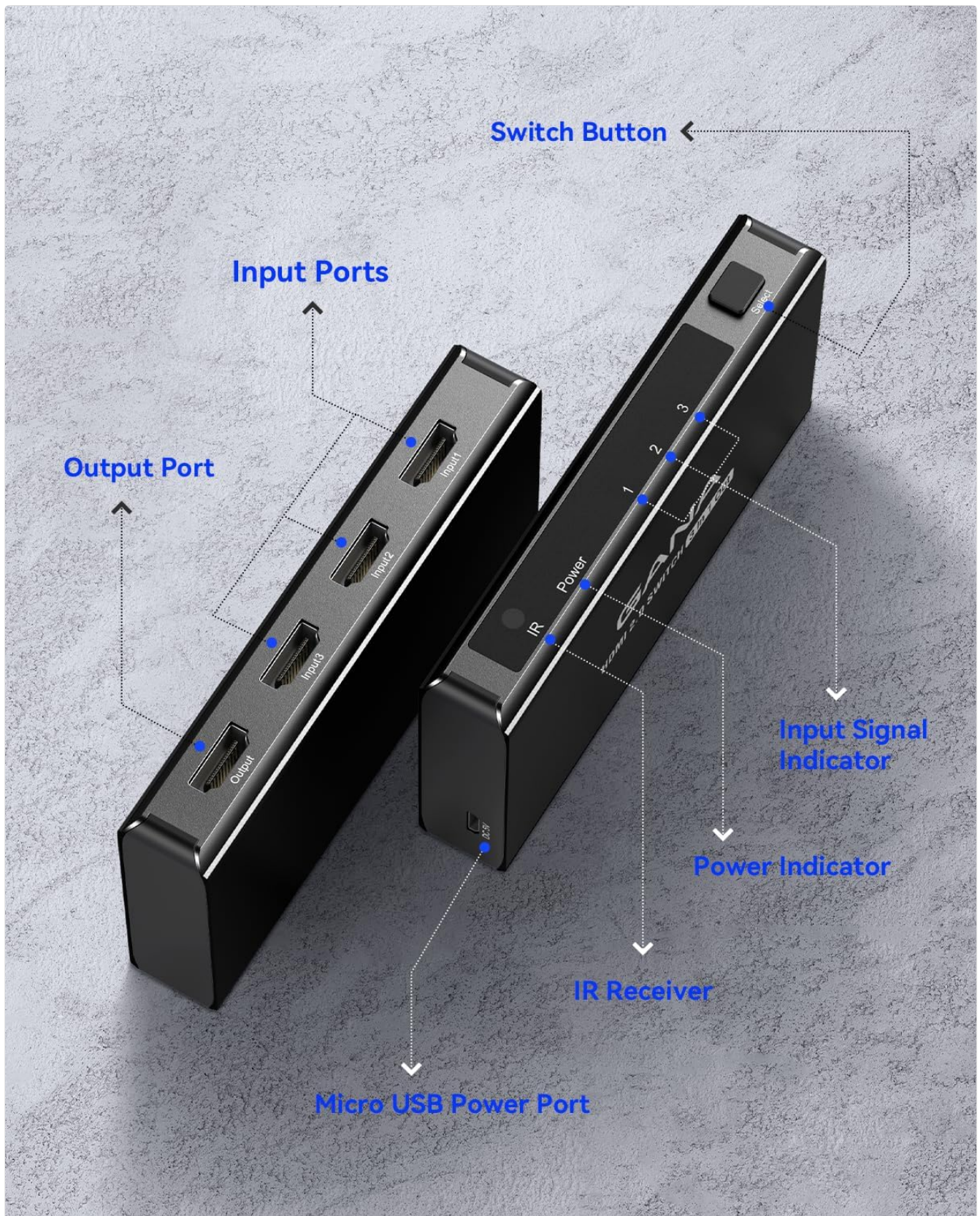


Image: A detailed diagram of the GANA HDMI Switch, highlighting its input ports (Input 1, Input 2, Input 3), output port, IR receiver, power indicator, input signal indicators, and Micro USB power port. This visual aid helps in identifying each component of the device.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x GANA HDMI Switch (3 in 1 Out)
- 1 x IR Remote Control (Note: Battery not included)
- 1 x Micro USB Power Cable
- 1 x User Guide

3. SPECIFICATIONS

Feature	Specification
Model Number	3jin1-hei
HDMI Version	HDMI 2.0
Max Resolution	4K@60Hz (Backward compatible with 4K@30Hz, 2560x1440@120Hz, 1920x1080@240Hz)
Supported Technologies	3D, UHD, HDCP2.2, HDR
Bandwidth	18Gbps
Power Supply	USB Powered (5V 1A, adapter not included)
Item Weight	6.7 ounces
Package Dimensions	6.61 x 4.96 x 0.94 inches
Color	Black
Connector Type	HDMI

4. SETUP GUIDE

4.1 Connecting Your Devices

Follow these steps to connect your HDMI devices to the GANA HDMI Switch:

1. Connect up to three HDMI source devices (e.g., gaming console, TV box, DVD player) to the **Input 1, Input 2, and Input 3** ports on the HDMI switch using HDMI cables (not included).
2. Connect one HDMI display (e.g., TV, monitor, projector) to the **Output** port on the HDMI switch using an HDMI cable (not included).

3 In 1 Out HDMI Switch

Connect up to 3 input devices to 1 output display.



Image: A visual representation of the GANA HDMI Switch connecting three input devices (Apple TV, Xbox, PS5) to a single output display (TV). Blue arrows indicate the flow of signals from input to output.

4.2 Powering the Device

The HDMI switch requires external power for stable operation:

1. Connect the provided Micro USB Power Cable to the **Micro USB Power Port** on the HDMI switch.
2. Connect the other end of the Micro USB Power Cable to a 5V 1A USB power adapter (not included) or a USB port on your display device. Ensure the switch is always connected to a power source when in use to guarantee stable video transmission and optimal performance.

Plug & Play, Easy to Set up

Connect the Extra power supply (5V 1A) ,
to ensure stable video transmission and better performance.

Note : Adapter not included !



Image: The GANA HDMI Switch connected to a power source via its Micro USB port, illustrating the required 5V 1A power input for stable operation. The remote control is also visible in the foreground.

5. OPERATING INSTRUCTIONS


5.1 Switching Inputs

You can switch between the connected HDMI source devices using two methods:


- **Remote Control:** Use the included IR remote control to select the desired input (1, 2, or 3) from a distance of up to 33 feet. This allows for convenient switching without needing to approach the switch unit.
- **Manual Button:** Press the 'Select' button on the front of the HDMI switch unit to cycle through the inputs (Input 1 → Input 2 → Input 3 → Input 1...).

Two Ways to Switch

Select your favorite media between
3 HDMI input devices



1.



IR Remote Control

2.



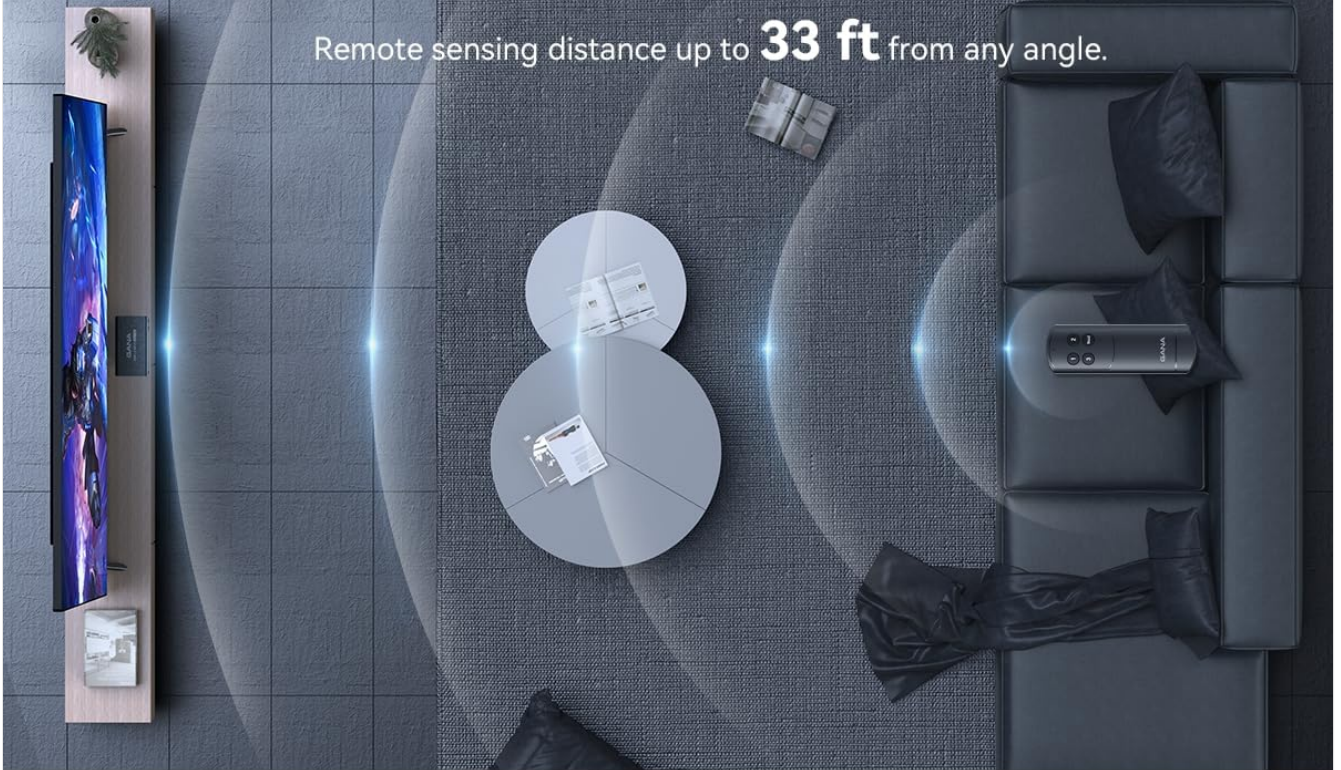
Manual Button

Image: This image illustrates the two methods for switching inputs: using the IR remote control and pressing the manual button on the HDMI switch. The display shows various gaming and media applications, indicating seamless transitions between sources.

Newly Upgraded IR Remote Control

IR Remote Control

Remote sensing distance up to **33 ft** from any angle.



Others

: Remote control distance to **10 ft** , not sensitive, not durable.

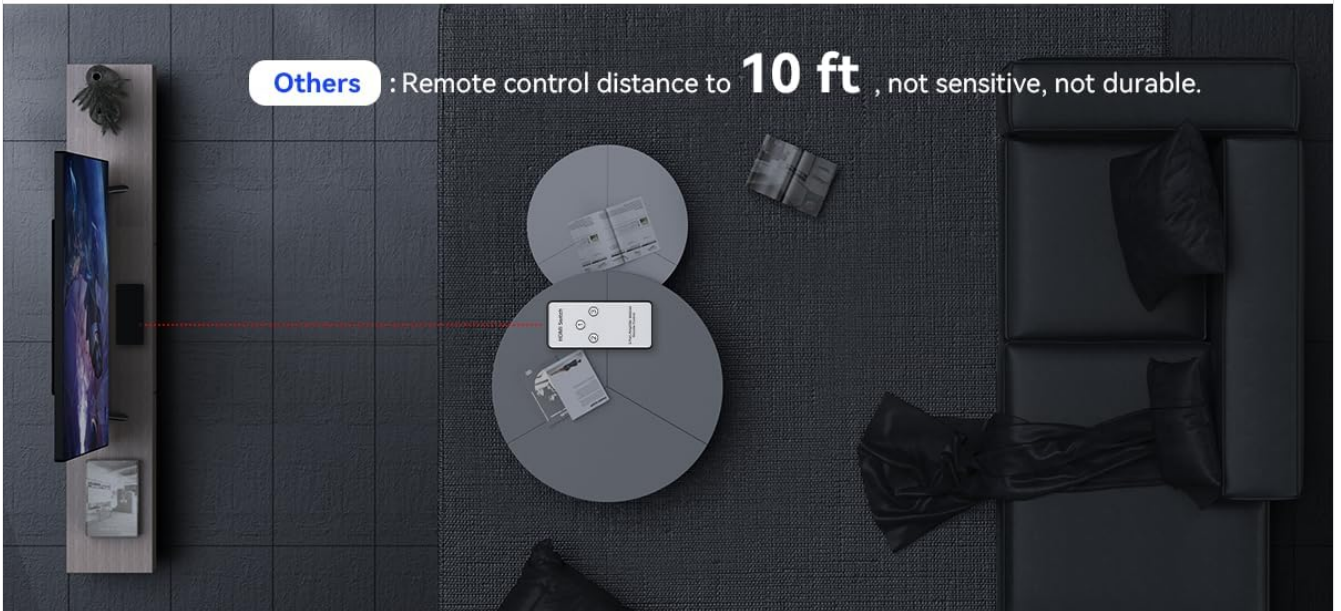


Image: A top-down view demonstrating the effective remote sensing distance of up to 33 feet for the GANA HDMI Switch, allowing control from various positions within a room.

5.2 Understanding LED Indicators

The front panel of the HDMI switch features LED indicators to provide status information:

- **Power LED:** Illuminates when the device is powered on.
- **Input 1/2/3 LEDs:** The corresponding LED will illuminate to indicate which HDMI input port is currently active and selected.

6. FEATURES AND CAPABILITIES

6.1 4K@60Hz High Resolution Display

The GANA HDMI Switch supports resolutions up to 4K@60Hz, providing a clear and detailed visual experience. It is backward compatible with lower resolutions such as 4K@30Hz, 2560x1440@120Hz, and 1920x1080@240Hz. The switch also supports 3D, UHD, and HDCP2.2 signals, ensuring compatibility with a wide range of modern display technologies.



Image: A side-by-side comparison illustrating the visual difference between 30Hz and 60Hz refresh rates at 4K resolution, emphasizing the clearer and more realistic picture quality achieved with 4K@60Hz.

Home Theater, Choose More

Offer an immersive experience with your Family and Friends.



Image: A visual comparison demonstrating the enhanced color and contrast provided by HDR (High Dynamic Range) technology, supported by the HDMI switch, compared to a non-HDR image.

6.2 Wide Compatibility

The GANA HDMI Switch is compatible with most devices that feature a standard HDMI interface. This includes a broad range of input and output devices:

- **Input Devices:** PC, Computer, Macbook, Xbox 360, Xbox One, PS4/5, Blu-Ray DVD players, Chromecast, Nintendo Switch, TV Box Stick, and more.
- **Output Devices:** HD-Ready or Full HD TVs, projectors, monitors, and other HDMI-enabled displays.

Wide Compatibility

Input



TV Box Stick



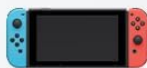
Laptop/Computer



PS3/PS4/PS5



Xbox



Gaming Console



HD/DVD-Player

Output



TV



Monitor



Projector



Image: A graphic illustrating the wide range of compatible input devices (TV Box Stick, Laptop/Computer, PS3/PS4/PS5, Xbox, Gaming Console, HD/DVD-Player) and output devices (TV, Monitor, Projector) for the GANA HDMI Switch.

6.3 Fast and Stable Transmission

Equipped with an industry-leading IC chip, the switch provides a high bandwidth of 18Gbps, ensuring fast and stable data transmission. The USB-powered design contributes to consistent video transmission and improved performance, minimizing frame loss or image degradation for a smooth viewing and gaming experience.

7. MAINTENANCE

- To ensure the longevity and optimal performance of your GANA HDMI Switch, follow these simple maintenance guidelines:
- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the switch. Avoid using liquid cleaners, aerosols, or abrasive materials, as these can damage the device.
 - **Storage:** When not in use for extended periods, store the switch in a cool, dry place away from direct sunlight and extreme temperatures.
 - **Cable Management:** Ensure HDMI cables are not excessively bent or strained, as this can lead to signal issues or damage to the cables and ports.
 - **Power Supply:** Always use the recommended 5V 1A power supply to prevent damage from incorrect voltage.

8. TROUBLESHOOTING

If you encounter issues with your GANA HDMI Switch, please refer to the following table for common problems and their solutions:





Problem	Possible Cause	Solution
No signal or black screen on display.	Loose cable connections. Incorrect input selected. Insufficient power supply. Incompatible resolution/refresh rate.	Ensure all HDMI cables are securely connected. Verify the correct input is selected on the switch (check LED indicator). Confirm the switch is powered by a stable 5V 1A source. Try a lower resolution on the source device.
Flickering or unstable image.	Poor quality HDMI cables. Long HDMI cable length. Power supply issues.	Use high-quality HDMI 2.0 certified cables. Try shorter HDMI cables if possible. Ensure stable 5V 1A power supply is connected. Restart all connected devices.
Remote control not working.	No battery or low battery. Obstruction between remote and switch. Remote not pointed at IR receiver.	Insert a new CR2025 battery (not included) into the remote. Remove any objects blocking the line of sight to the switch's IR receiver. Point the remote directly at the IR receiver on the switch.
Audio issues (no sound or distorted sound).	Audio settings on source/display. HDMI cable issue.	Check audio output settings on your source device and input settings on your display. Ensure HDMI cables are fully inserted and not damaged. Try a different HDMI cable.

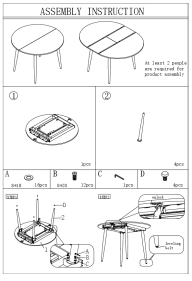
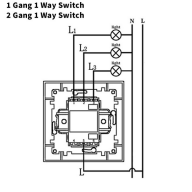
9. WARRANTY AND SUPPORT

GANA offers lifetime technical support and friendly customer service for this product. If you encounter any problems or have questions regarding your HDMI switch, please do not hesitate to contact GANA customer support. They aim to resolve your issues within 24 hours.

For more information or to explore other GANA products, please visit the official GANA Store on Amazon [GANASTore](#)

Related Documents - 3jin1-hei

	<p>Heidolph Premium Rotary Evaporators and Laboratory Equipment</p> <p>Explore Heidolph's award-winning Hei-VAP rotary evaporators, Hei-VAC vacuum pumps, and Hei-CHILL recirculation chillers. Discover reliable, precise, and efficient laboratory equipment designed for research and production, featuring 'Made in Germany' quality and advanced automation.</p>
	<p>Genie 105295-HEI Kit Installation Instructions for Gen1 to Gen5 Control System</p> <p>Detailed installation instructions for the Genie 105295-HEI Kit, designed to upgrade Gen1 to Gen5 control systems. This guide covers component identification, step-by-step installation procedures, and software configuration for various Genie machine models.</p>
	<p>Heidolph Hei-TORQUE Overhead Stirrers: Powerful Stirring and Precision</p> <p>This comprehensive manual details the features and operation of Heidolph Hei-TORQUE overhead stirrers, including the Hei-TORQUE Value and Hei-TORQUE Precision models. It covers setup, operation, safety instructions, maintenance, and troubleshooting for these advanced laboratory instruments.</p>
	<p>Manual de Instalación, Uso y Mantenimiento de Cocinas Eléctricas Industriales REPAGAS</p> <p>Guía completa para la instalación, operación y mantenimiento de las cocinas eléctricas industriales REPAGAS. Cubre especificaciones técnicas, seguridad, procedimientos de instalación, uso, mantenimiento y esquemas eléctricos.</p>

	<p>Assembly Instruction for George Oliver 42-54" Extendable Dining Table</p> <p>Step-by-step assembly guide for the George Oliver 42-54" Extendable Dining Table, including parts list, hardware details, and detailed assembly instructions for extending and adjusting the table.</p>
	<p>WESA Electrical Switches and Sockets Wiring Diagrams</p> <p>Detailed wiring diagrams and specifications for WESA electrical switches (1 Gang, 2 Gang) and sockets (single, double, grounded, non-grounded, French type).</p>