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## MT-VIKI HD021H

# MT-VIKI HDMI 2.1 Switch (Model HD021H) User Manual

Your guide to seamless high-resolution video switching.

## 1. INTRODUCTION

The MT-VIKI HDMI 2.1 Switch (Model HD021H) is designed to expand your HDMI connectivity, allowing you to connect multiple HDMI source devices to a single HDMI display. This switch supports advanced HDMI 2.1 features, including high resolutions and refresh rates, ensuring a premium visual and audio experience. It is a compact and versatile solution for managing your entertainment or workstation setup.



Image 1.1: The MT-VIKI HDMI 2.1 Switch, highlighting its 8K capability.

## 2. KEY FEATURES

- **HDMI 2.1 Compliance:** Supports the latest HDMI 2.1 standard for high-bandwidth data transfer.
- **Ultra HD Resolution Support:** Capable of 8K@60Hz and 4K@120Hz (including 4K@144Hz) resolutions. Backward compatible with 2K@240Hz and 1080P@240Hz.
- **High Bandwidth:** Supports transfer rates up to 48Gbps.

- **Dynamic HDR and 3D Support:** Enhances visual quality with dynamic HDR and supports 3D effects.
- **HDCP 2.3:** Ensures compatibility with protected content.
- **Wide Compatibility:** Works with various HDMI devices such as computers, Xbox 360, Xbox One, PS5/PS4/PS3, Blu-Ray DVD players, Roku, Apple TV, and Fire Stick.
- **Plug & Play:** No external drivers required for operation.
- **Optional External Power:** Includes a USB-C port for optional external power if needed for high-power devices (power adapter not included).

# Ultra Fine Contrast in 8K

3D | HDR | 120Hz | 48Gbps



More Clear & Realistic Picture

Image 2.1: Experience ultra-fine contrast and realistic picture quality in 8K with the HDMI switch.



## Dynamic HDR

Hdmi 2.1	8K 60 HZ	48 Gbps
Hdmi 2.0	4K 60 HZ	18 Gbps
Hdmi 1.4	4K 30 HZ	10.2 Gbps

Image 2.2: Dynamic HDR support with HDMI 2.1 for enhanced color and contrast.

### 3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 8K HDMI Switch (Model HD021H) x 1
- User Manual x 1

*Note: An 8K HDMI cable is not included and must be purchased separately for optimal performance.*



Image 3.1: The MT-VIKI HDMI 2.1 Switch and its packaging.

## 4. PRODUCT OVERVIEW

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The MT-VIKI HDMI 2.1 Switch features a compact design with clearly labeled ports for easy connection. It includes two HDMI input ports, one HDMI output port, and a USB-C power input port.



Image 4.1: Port diagram of the MT-VIKI HDMI 2.1 Switch.

- **HDMI IN 1/2:** Connect your HDMI source devices (e.g., PC, Laptop, Gaming Console, Set-Top Box).
- **HDMI OUT:** Connect to your HDMI display device (e.g., Projector, TV, Monitor).
- **USB-C Power Port:** For optional external power supply if required.
- **Switch Button:** Press to toggle between connected HDMI sources.
- **LED Indicators:** Show which input source is currently selected.

## 5. SETUP INSTRUCTIONS

The MT-VIKI HDMI 2.1 Switch supports two primary connection modes: 2 In 1 Out (connecting two sources to one display) and 1 In 2 Out (connecting one source to two displays, switching between them).

### 5.1. 2 In 1 Out Mode (Two Sources to One Display)

1. Connect your first HDMI source device (e.g., PS5, Xbox) to one of the **HDMI IN** ports on the switch using an HDMI

- 2.1 cable.
2. Connect your second HDMI source device (e.g., PC, Laptop) to the other **HDMI IN** port on the switch using an HDMI 2.1 cable.
3. Connect the **HDMI OUT** port of the switch to your display device (e.g., TV, Monitor) using an HDMI 2.1 cable.
4. If your source devices require additional power, connect a USB-C power cable (not included) to the switch's USB-C port and to a 5V power adapter.
5. Power on all connected devices and the display.



Image 5.1: Connection diagram for 2 In 1 Out mode.



Image 5.2: Example setup with a PS5 and TV Box connected to a display.

### 5.2. 1 In 2 Out Mode (One Source to Two Displays)

1. Connect your HDMI source device (e.g., PC, Laptop) to the **HDMI OUT** port of the switch using an HDMI 2.1 cable.
2. Connect your first display device (e.g., Monitor 1) to one of the **HDMI IN** ports on the switch using an HDMI 2.1 cable.
3. Connect your second display device (e.g., Monitor 2) to the other **HDMI IN** port on the switch using an HDMI 2.1 cable.
4. If your source device requires additional power, connect a USB-C power cable (not included) to the switch's USB-C port and to a 5V power adapter.
5. Power on all connected devices and displays.

*Note: In 1 In 2 Out mode, only one display can be active at a time. The switch button will toggle the signal between the two connected displays.*



Image 5.3: Connection diagram for 1 In 2 Out mode.

## 6. OPERATING INSTRUCTIONS

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Once all devices are connected and powered on, operating the MT-VIKI HDMI 2.1 Switch is straightforward:

1. Ensure all HDMI cables are securely connected to the switch and your devices.
2. Press the **Switch Button** located on the top of the device to cycle through the connected HDMI sources or displays.
3. The LED indicator light next to the button will illuminate to show which input (or output, depending on mode) is currently active.
4. The switch provides a clear, tactile click when pressed, confirming your selection.



Image 6.1: One-click quick switching between HDMI sources or displays.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	HD021H
HDMI Standard	HDMI 2.1
Supported Resolutions	8K@60Hz, 4K@120Hz (4K@144Hz), 2K@240Hz, 1080P@240Hz
Bandwidth	48Gbps
HDCP Version	HDCP 2.3
Connector Type	HDMI
Power Input	USB-C (optional, 5V)

Feature	Detail
Material	ABS Plastic
Color	Black
Item Weight	1.76 ounces
Package Dimensions	3.46 x 2.99 x 1.14 inches

## 8. TROUBLESHOOTING

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- **No Signal / Flickering Screen:**

- Ensure all HDMI cables are HDMI 2.1 compliant and securely connected.
- Verify that the total length of input and output HDMI cables does not exceed 3 meters (16.4 feet) each.
- Try connecting a 5V power adapter to the switch's USB-C port, especially if using high-resolution or high-refresh-rate settings, or with longer cables.
- Test with different HDMI cables to rule out cable issues.
- Ensure your display device is set to the correct HDMI input.

- **Incorrect Resolution / Refresh Rate:**

- Confirm that both your source device and display device support the desired resolution and refresh rate.
- Check the display settings on your source device to ensure it is configured correctly.
- Use high-quality HDMI 2.1 certified cables.

- **Switch Button Not Responding:**

- Ensure the switch has sufficient power. If experiencing issues, connect external power via the USB-C port.
- Disconnect and reconnect all HDMI cables and the power cable (if used) to reset the device.

## 9. MAINTENANCE

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- Keep the device in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the switch to moisture or liquids.
- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.

## 10. WARRANTY AND SUPPORT

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MT-VIKI products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official MT-VIKI website. Please retain your proof of purchase for warranty claims.