

## Yinker SW041S

# Yinker 4-Port 4K@30Hz HDMI KVM Multiviewer Switcher User Manual

Model: SW041S

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Yinker 4-Port HDMI KVM Multiviewer Switcher. This device allows you to control up to four HDMI sources (such as computers, laptops, game consoles, or CCTV systems) using a single set of keyboard, mouse, and monitor. It also supports various multi-viewer display modes and 4K@30Hz resolution.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x HDMI Multiviewer KVM Switch
- 1x Remote Control (AAA battery not included)
- 4x USB Cable (Type-B)
- 1x User Manual
- 1x Power Adapter (DC12V)
- 1x 3-pin Phoenix socket
- 2x Foot Pad
- 1x Mounting Rack



Image: Contents of the Yinker 4-Port HDMI KVM Multiviewer Switcher package, including the main unit, remote control, USB cables, power adapter, user manual, and mounting accessories.

Your browser does not support the video tag.

Video: An unboxing demonstration of the Yinker HDMI KVM with Multiviewer, showing all included components and their initial presentation.

## 3. PRODUCT OVERVIEW

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The Yinker 4-Port HDMI KVM Multiviewer Switcher is designed to streamline your workspace by allowing control of multiple devices from a single workstation. It features multiple input and output ports for seamless integration with your existing setup.

### 3.1 Front Panel

- **AUDIO OUT:** 3.5mm audio jack for external speakers or headphones.
- **USB OUT (2 ports):** Connect your keyboard and mouse.
- **IR:** Infrared receiver for the remote control.
- **PC1-PC4 Buttons:** Manual selection buttons for switching between input sources.
- **MODE Button:** Cycles through different display modes.

### 3.2 Rear Panel

- **DC12V:** Power input port.
- **HDMI OUT:** Connect to your monitor/display.
- **HDMI IN (1-4):** Connect up to four HDMI source devices.
- **USB IN (1-4):** Connect to the USB ports of your source devices (PC, laptop, etc.) for KVM functionality.

# Connection Diagram

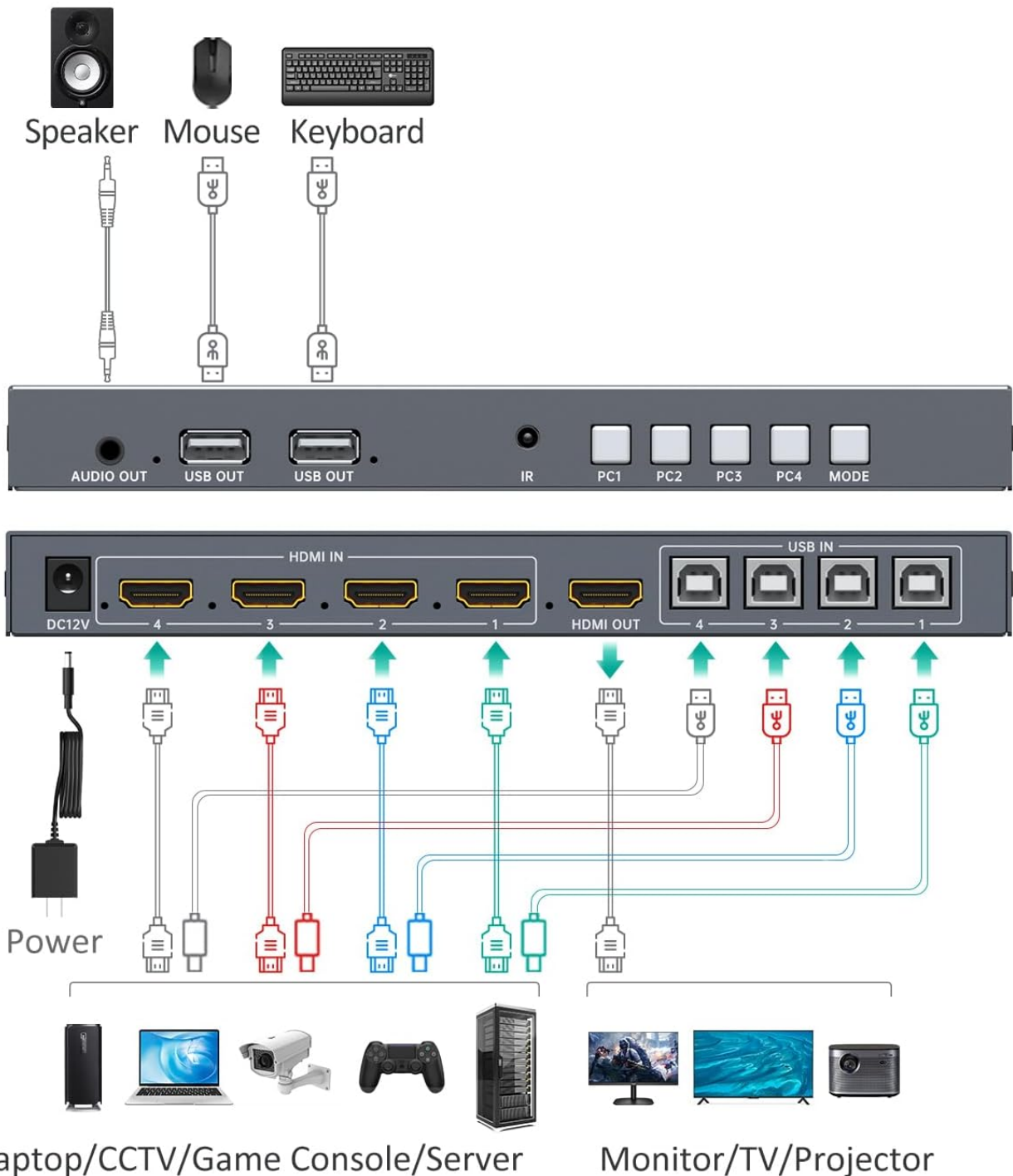


Image: A detailed view of the Yinker 4-Port HDMI KVM Multiviewer Switcher, highlighting its front and rear panels with all input and output ports labeled.

## 4. SETUP AND CONNECTION

Follow these steps to connect your Yinker KVM Multiviewer Switcher:

1. Connect your keyboard and mouse to the **USB OUT** ports on the front panel of the KVM switch.
2. Connect your monitor/display to the **HDMI OUT** port on the rear panel.
3. For each source device (PC, laptop, etc.):
  - Connect an HDMI cable from the source device's HDMI output to an **HDMI IN** port (1-4) on the KVM switch.

- Connect a USB Type-B cable from the source device's USB port to the corresponding **USB IN** port (1-4) on the KVM switch.
4. If using external audio, connect your speakers or headphones to the **AUDIO OUT** port on the front panel.
5. Connect the 12V Power Adapter to the **DC12V** port on the rear panel and plug it into a power outlet.



Image: A visual diagram illustrating the correct connection of source devices, monitor, keyboard, mouse, and power to the Yinker KVM Multiviewer Switcher.

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Video: A demonstration of the various display modes available on the Yinker 4K HDMI KVM Multiviewer, showcasing single screen, split screen, and Picture-in-Picture functionalities.

## 5. OPERATING MODES AND SWITCHING

The KVM Multiviewer offers several display modes and control methods for flexible operation.

### 5.1 Display Modes

The device supports 6 display modes, allowing simultaneous or individual viewing of up to four sources:

- **Single Mode:** Displays one source in full screen.
- **1x3 Mode:** Displays one main source and three smaller sources.
- **PIP (Picture-in-Picture) Mode:** Displays one main source with a smaller secondary source overlay.
- **POP (Picture-on-Picture) Mode (1 & 2):** Displays two sources side-by-side or in other split configurations.
- **Quad Mode:** Displays all four sources simultaneously in a 2x2 grid.



Image: Visual representation of the six display modes: Single, 1x3, PIP, POP (1), POP (2), and Quad mode, demonstrating how multiple video sources can be arranged on a single screen.

## 5.2 Control Methods

You can switch between sources and modes using three methods:

- **Panel Buttons:** Use the PC1-PC4 and MODE buttons on the front panel.
- **IR Remote Control:** Use the included remote control for convenient switching.
- **Keyboard Hotkeys:** Utilize specific keyboard combinations for quick switching.

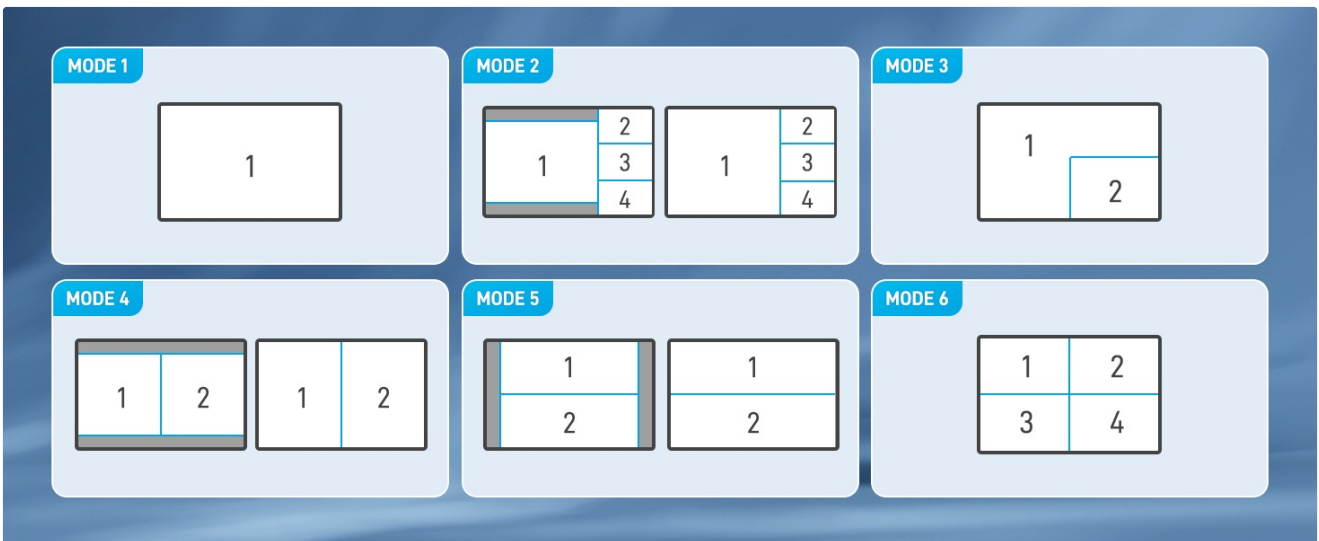


Image: Illustration of the three control methods for the KVM switch: direct buttons on the device, an infrared remote control, and keyboard hotkeys.

## 5.3 KVM Functionality

The KVM functionality allows a single keyboard and mouse to control multiple computers. The device supports two main KVM control modes:

- **Synchronized Mode:** In Quad Screen mode, all four keyboard and mouse movements are synchronized across all displayed sources.
- **Roaming Mode:** The keyboard and mouse can move seamlessly between the four screens, allowing individual control of each source.

**Four keyboard & mouse can move simultaneously with the same routine**



Image: Comparison of Synchronized Mode, where a single mouse cursor controls all four screens simultaneously, and Roaming Mode, where the mouse can move freely between screens for individual control.

## 6. KEYBOARD HOTKEY COMMANDS

Keyboard hotkeys provide a quick way to switch between sources and control various functions. Refer to the detailed hotkey list in the included user manual for specific commands. A common hotkey sequence involves pressing \* + 1 / 2 / ... / 8 to switch sources or modes.

**Crossing Mode**  
Keyboard and Mouse moves across the screen vertically or horizontally. In Single Screen Mode, use "Crossing Mode" would automatically switch to next source.



Image: A keyboard illustrating the use of hotkey combinations for switching sources, keyboard, mouse, resolution, and audio settings on the KVM Multiviewer.

## 7. AUDIO OUTPUT

The KVM switch includes a 3.5mm audio output port on the front panel, allowing you to connect external speakers or headphones for audio playback from the selected source.



Image: A visual representation of the 3.5mm audio output port on the KVM switch, connected to external speakers, demonstrating its audio functionality.

## 8. SEAMLESS SWITCHING

The Yinker KVM Multiviewer is designed for fast and seamless switching between input sources, minimizing display lag. This ensures a smooth transition when changing between connected devices.



Image: A comparison showing the rapid, seamless switching of the Yinker KVM Multiviewer (0.01 seconds) versus the typical 2-3 second lag found in other devices.

## 9. COMPATIBILITY

The Yinker 4-Port HDMI KVM Multiviewer Switcher is compatible with both Windows and macOS operating systems, ensuring broad usability across different computing environments.

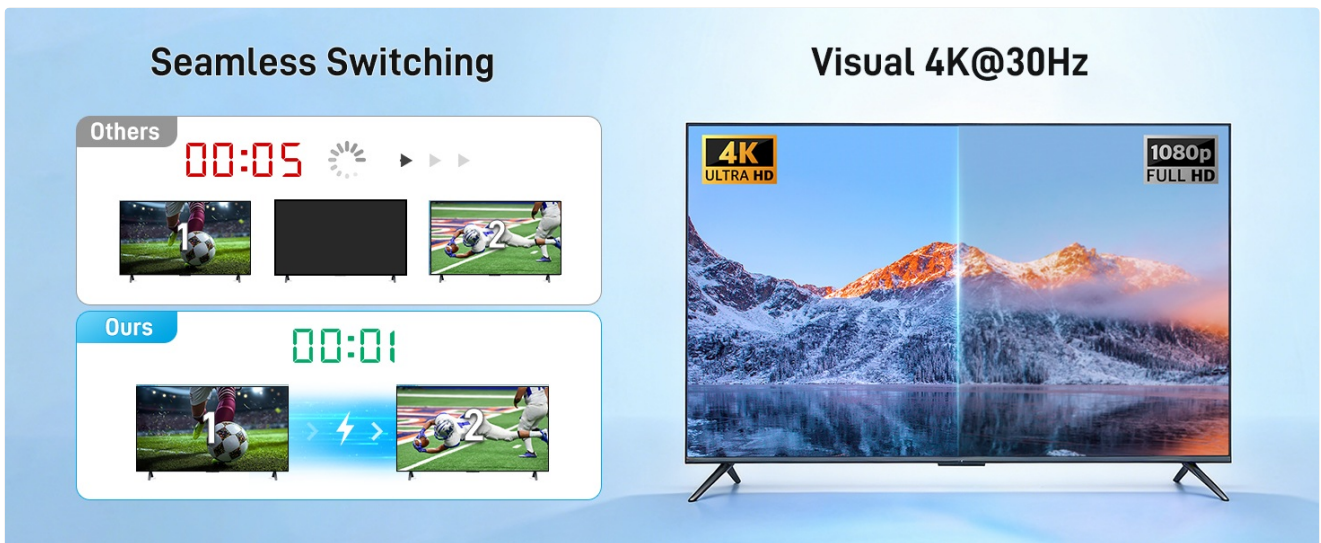


Image: An illustration depicting the compatibility of the KVM Multiviewer with both Windows and macOS laptops, indicating broad operating system support.

## 10. SPECIFICATIONS

| Feature        | Description |
|----------------|-------------|
| Model Number   | SW041S      |
| Brand          | Yinker      |
| Connector Type | HDMI        |

|                    |   |
|--------------------|---|
| Number of Ports    | 4   |
| Resolution Support | Up to 4K@30Hz (downscales to 1080P and 720P)  |
| HDCP Version       | 1.4   |
| Audio Output       | 3.5mm Jack                                    |
| Control Ways       | Panel Button, Remote Control, Keyboard Hotkey |
| Color              | Sliver  |

## 11. TROUBLESHOOTING

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If you encounter issues with your KVM Multiviewer, please refer to the following common solutions:

- **No Display:** Ensure all HDMI cables are securely connected and the KVM switch is powered on. Try restarting the source devices and the KVM switch. Verify your monitor supports the output resolution.
- **No Keyboard/Mouse Control:** Check USB cable connections from source devices to the KVM switch and from the KVM switch to the keyboard/mouse. Try connecting the keyboard/mouse directly to a source device to confirm functionality.
- **Incorrect Aspect Ratio:** If the display shows an incorrect aspect ratio after switching, try cycling through display modes or restarting the KVM switch.
- **Remote Control Not Working:** Ensure the remote control has fresh batteries and there are no obstructions between the remote and the KVM's IR receiver.
- **Audio Issues:** Confirm that external speakers/headphones are properly connected to the 3.5mm AUDIO OUT port and that the audio output settings on your source device are correctly configured.

## 12. MAINTENANCE

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To ensure the longevity and optimal performance of your Yinker KVM Multiviewer Switcher, follow these maintenance guidelines:

- Keep the device in a cool, dry place away from direct sunlight and excessive heat.
- Avoid exposing the device to moisture or liquids.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the device to prevent overheating.

## 13. WARRANTY AND SUPPORT

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This Yinker product comes with a **1-year warranty** from the date of purchase. For technical support, warranty claims, or any inquiries, please contact Yinker customer service. Refer to the contact information provided in your package or visit the official Yinker website.

**Yinker Support Email:** [info1@yinkertech.com](mailto:info1@yinkertech.com)