iseevy ISV-TWC4-4K60P

ISEEVY 4K60 Video Wall Controller User Manual

Model: ISV-TWC4-4K60P

PRODUCT OVERVIEW

The ISEEVY 4K60 Video Wall Controller is a versatile device designed to create stunning video wall displays using multiple televisions. It supports a maximum input resolution of 3840x2160@60Hz via HDMI or USB-C, and provides four HDMI outputs, each supporting 4K resolution. This allows for flexible configurations such as 2x2, 1x2, 2x1, 1x3, 3x1, 1x4, and 4x1 video walls. The controller is engineered for ease of use with plug-and-play functionality and can be operated via remote control or front panel buttons. It also features a unique 180-degree image rotation function for each output, accommodating various TV bezel designs and installation orientations.
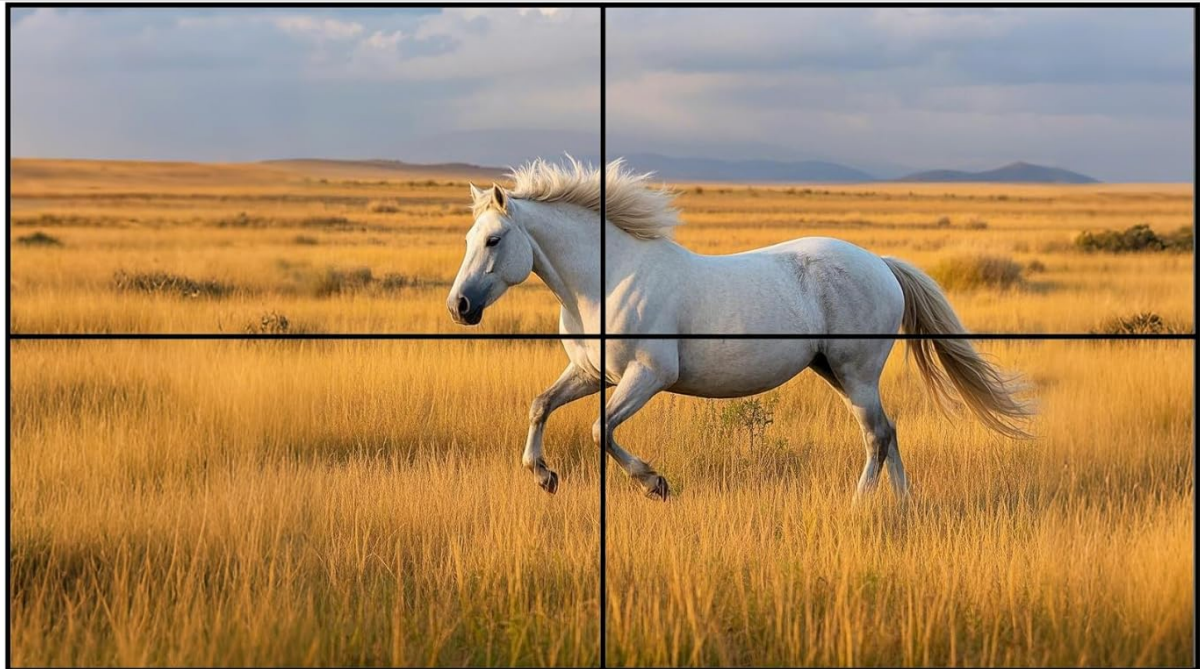
Figure 1: ISEEVY 4K60 Video Wall Controller with remote control and a sample 2x2 video wall setup.

WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1x Video Wall Controller
- 1x Remote Control
- 1x Power Adapter
- 1x User Manual

KEY FEATURES

- **4K UHD Video Wall Display:** Supports 1x HDMI and 1x USB-C input, with a maximum resolution of 3840x2160@60Hz. Features 4x HDMI outputs, each supporting 3840x2160 resolution, enabling up to four 4K

TVs to form one video wall.

- **Multiple Splicing Modes:** Compatible with various display configurations including 2x2, 1x1, 1x2, 2x1, 1x3, 3x1, 1x4, and 4x1.
- **180-Degree Rotation:** Each output port can rotate the image by 180 degrees, allowing for normal image display even if TVs are installed upside down to compensate for bezel differences.
- **Plug and Play Operation:** Simple connection and installation process. Easy display switching via remote control or front panel buttons.
- **Professional Design:** Engineered for stable and continuous operation (24x7).

Figure 2: Front panel of the Video Wall Controller, showing power, IR receiver, input indicators, and control buttons.

Figure 3: Rear panel of the Video Wall Controller, detailing input and output ports.

Setup Guide

1. Connections

1. **Power Connection:** Connect the provided power adapter to the DC 5V port on the controller and plug it into a power outlet.
2. **Input Source Connection:** Connect your video source (e.g., TV box, computer, player) to either the HDMI input port or the USB-C input port on the controller using appropriate cables.
3. **Output Display Connection:** Connect your display televisions to the HDMI 1, HDMI 2, HDMI 3, and HDMI 4 output ports on the controller using HDMI cables. Ensure each TV is connected to a distinct output port.
4. **Audio Output (Optional):** If external audio is desired, connect speakers or an audio system to the Audio Out port.
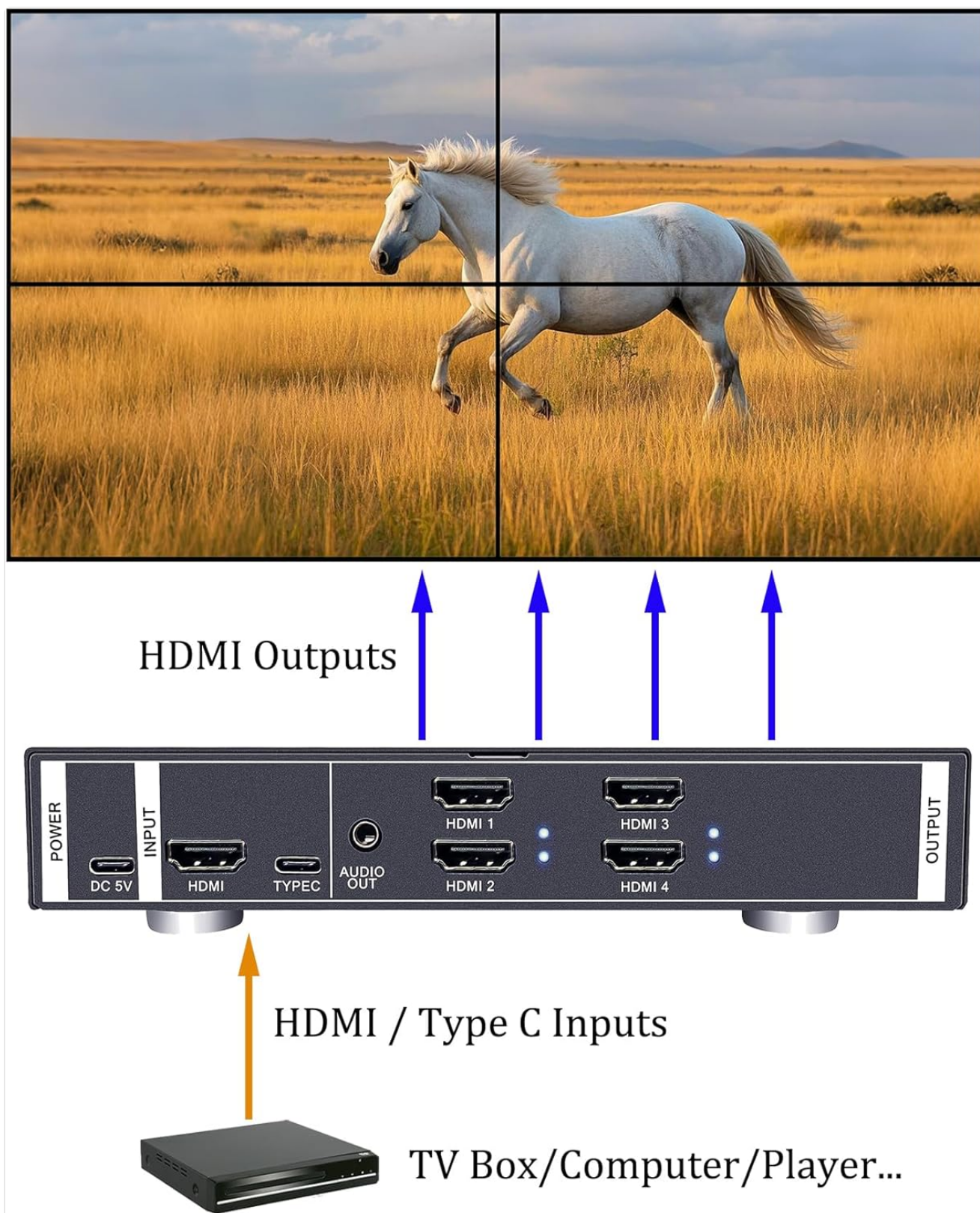
Figure 4: Connection diagram for the Video Wall Controller, illustrating input from a source device and output to four televisions.

2. Power On

After all connections are secure, press the **POWER** button on the front panel or the remote control to turn on the device. The power indicator light will illuminate.

OPERATING INSTRUCTIONS

1. Input Selection

Use the **SOURCE** button on the front panel or the remote control to cycle through available input sources (HDMI, USB-C). The corresponding indicator light on the front panel will show the active input.

2. Splicing Modes

The controller supports various video wall configurations. Use the **MODE** button on the front panel or the remote control to select the desired splicing mode. The available modes include:

- **2x2:** Four displays arranged in a 2x2 grid.
- **1x1:** Single display output (bypasses video wall function).
- **1x2:** Two displays arranged horizontally.
- **2x1:** Two displays arranged vertically.
- **1x3:** Three displays arranged horizontally.
- **3x1:** Three displays arranged vertically.
- **1x4:** Four displays arranged horizontally.
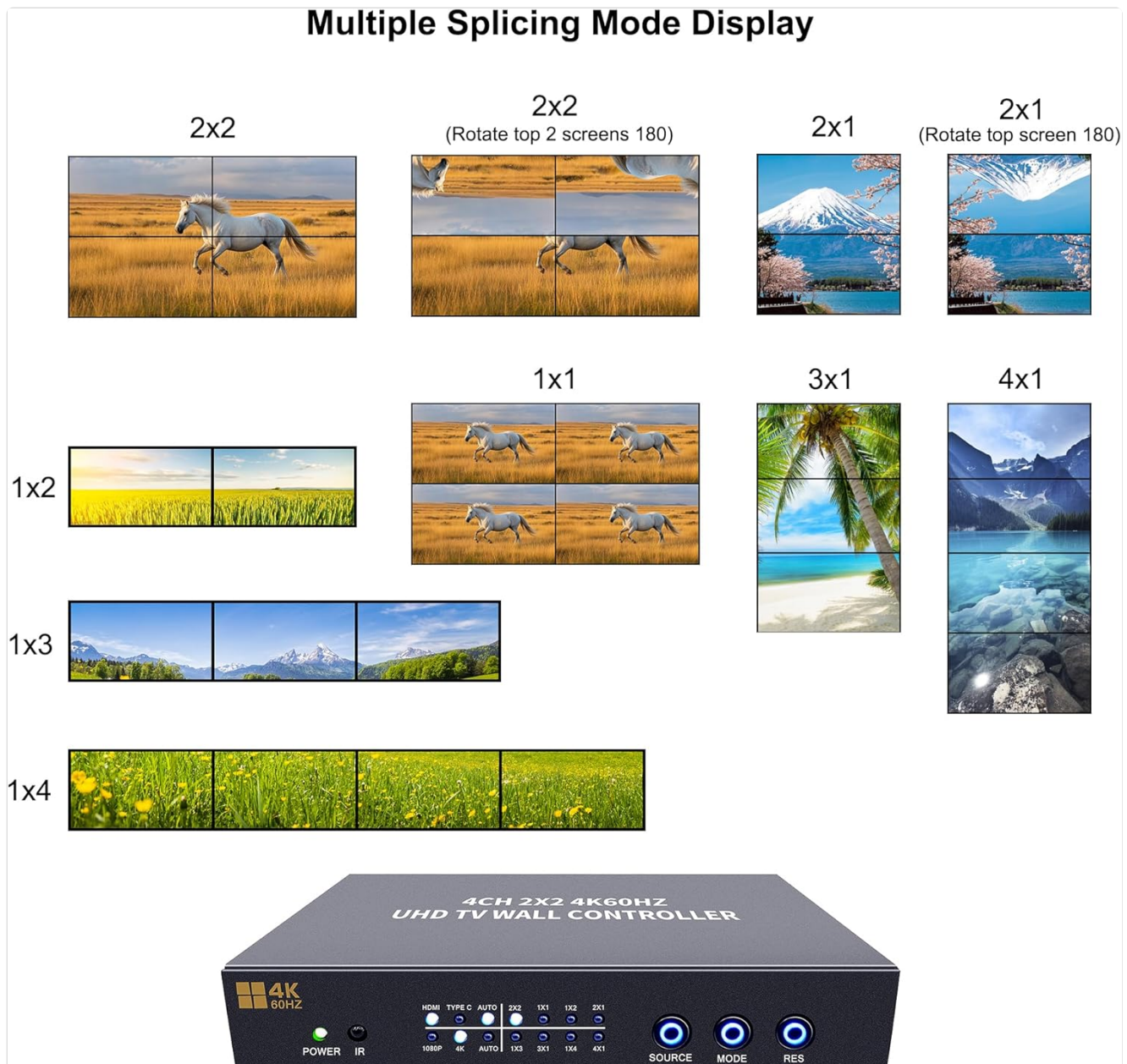- **4x1:** Four displays arranged vertically.

Figure 5: Examples of multiple splicing modes supported by the controller.

3. Image Rotation (180 Degrees)

This feature is useful when TVs have uneven bezels (e.g., a thicker bottom bezel). By rotating the top TVs by 180 degrees and enabling this function, you can achieve a thinner, more uniform gap between displays.

- To activate the 180-degree rotation for specific outputs, refer to the remote control or front panel options.
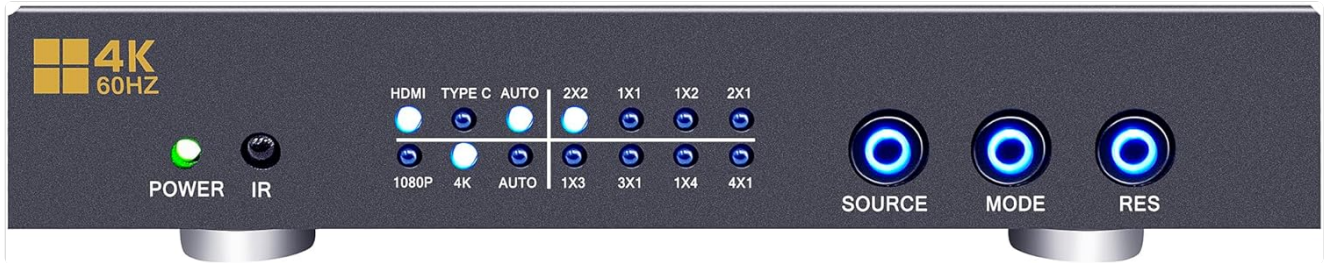- Ensure that the physical orientation of the TVs matches the intended rotation setting for optimal display.

Figure 6: Demonstration of 180-degree image rotation to achieve a seamless display with uneven TV bezels.

4. Remote Control Operation

The included remote control provides full functionality for managing the video wall controller. Key functions include:

- **Power ON/OFF:** Turns the device on or off.
- **Input Selection:** Dedicated buttons for HDMI and Type-C inputs.
- **Output Control:** Buttons for individual output control (OUT1-OUT4).
- **Splicing Mode Selection:** Direct buttons for 2x2, 1x2, 2x1, 1x3, 3x1, 1x4, 4x1 modes.
- **Resolution Adjustment:** Adjusts output resolution.
- **Rotation:** Activates 180-degree rotation for selected outputs.

Figure 7: The Video Wall Controller and its remote control for easy configuration.

MAINTENANCE

To ensure the longevity and optimal performance of your ISEEVY Video Wall Controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Do not use liquid cleaners or abrasive chemicals.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block the ventilation openings.
- **Environment:** Keep the controller away from direct sunlight, high temperatures, humidity, and dust.

- **Cable Management:** Periodically check all cable connections to ensure they are secure and free from damage.

TROUBLESHOOTING

Common Issues and Solutions

Issue	Possible Cause	Solution
No image on displays	Loose cable connections; Incorrect input selected; Power issue; Incompatible resolution.	Check all HDMI/USB-C cables. Ensure the correct input source is selected. Verify the power adapter is connected and the device is on. Adjust input/output resolution settings.
Image distorted or flickering	Poor cable quality; Resolution mismatch; Interference.	Try different, high-quality HDMI cables. Ensure input and output resolutions are compatible. Check for nearby electronic interference.
Remote control not working	Dead batteries; Obstruction to IR sensor; Remote out of range.	Replace batteries. Ensure no objects are blocking the IR sensor on the controller. Operate the remote within effective range.
Incorrect splicing mode display	Wrong mode selected.	Press the MODE button to cycle through and select the correct splicing configuration.
Image appears rotated incorrectly	180-degree rotation feature misconfigured.	Adjust the 180-degree rotation setting for the affected output(s) via the remote control or front panel. Ensure physical TV orientation matches the setting.

SPECIFICATIONS

Feature	Detail
Model Number	ISV-TWC4-4K60P
Input Ports	1x HDMI, 1x USB-C
Output Ports	4x HDMI
Max Input Resolution	3840x2160@60Hz
Max Output Resolution	3840x2160 (per port)
Supported Splicing Modes	2x2, 1x1, 1x2, 2x1, 1x3, 3x1, 1x4, 4x1

Feature	Detail
Special Features	180-degree image rotation per output
Control Methods	Remote Control, Front Panel Buttons
Item Weight	1.19 pounds
Package Dimensions	9.57 x 7.32 x 2.6 inches

WARRANTY AND SUPPORT

This ISEEVY product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact ISEEVY customer support. If you encounter any issues or require technical assistance, please reach out to the seller or manufacturer's support channels. Keep your purchase receipt as proof of purchase for warranty claims.