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iseevy ISV-TWC6-4K60P

ISEEVY 4K60 Video Wall Controller User Manual

Model: ISV-TWC6-4K60P | Brand: iseevy

1. Introduction

The ISEEVY 4K60 Video Wall Controller is a high-performance device designed to create stunning multi-screen video wall displays. It supports 4K@60Hz input resolutions via HDMI and USB-C, and outputs to up to six HDMI displays, each capable of 4K resolution. This controller offers various splicing modes, including 2x3, 3x2, 1x5, 5x1, 1x6, 6x1, and more, providing flexibility for different display configurations. Its plug-and-play design and intuitive controls make it ideal for professional and commercial applications requiring dynamic visual presentations.

2. Safety Information

Please read and follow these safety guidelines to ensure proper operation and prevent damage to the device or injury.

- Do not expose this device to water, moisture, or excessive humidity.
- Ensure proper ventilation around the unit to prevent overheating.
- Use only the provided power adapter. Using an incorrect power supply may damage the device and void the warranty.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from sources of heat, direct sunlight, and strong magnetic fields.
- Handle HDMI and USB-C cables carefully to avoid bending or damaging the connectors.

3. Package Contents

Verify that all items are present in the package:

- 1x ISEEVY 4K60 Video Wall Controller
- 1x Remote Control
- 1x Power Adapter
- 1x User Manual (this document)

4. Product Overview

4.1. Front Panel

Figure 4.1: Front Panel Layout

The front panel features indicator LEDs and control buttons for easy operation:

- **POWER LED:** Indicates power status.
- **IR Receiver:** For remote control signals.
- **Input Source LEDs (HDMI, TYPE C, AUTO):** Indicate the active input source.
- **Resolution LEDs (1080P, 4K):** Indicate the output resolution.
- **Splicing Mode LEDs (2X3, 3X2, 2X2, 1X1, 1X5, 5X1, 1X6, 6X1):** Indicate the active video wall configuration.
- **SOURCE Button:** Cycles through input sources.
- **MODE Button:** Cycles through splicing modes.
- **RES Button:** Adjusts output resolution.

4.2. Rear Panel

Figure 4.2: Rear Panel Port Layout

The rear panel provides all necessary connection ports:

- **DC 5V:** Power input port.
- **HDMI Input:** HDMI 2.0 input for video sources.
- **TYPE C Input:** USB-C input for video sources.
- **AUDIO OUT:** 3.5mm audio output.
- **HDMI 1-6 Outputs:** Six HDMI 2.0 outputs for connecting to displays.

4.3. Key Features

- **4K UHD Video Wall Display:** Supports 1x HDMI and 1x USB-C input, with a maximum resolution of 3840x2160@60Hz. Features 6x HDMI outputs, each supporting 3840x2160 resolution, allowing for up to six 4K TVs to form one video wall.
- **Multiple Splice Modes:** Supports a wide range of splicing modes including 2x3, 3x2, 1x5, 5x1, 1x6, 6x1, 2x2, 1x1, 1x2, 2x1, 1x3, 3x1, 1x4, and 4x1, catering to diverse video wall requirements.

- **180-Degree Rotation:** Each output port can rotate the image by 180 degrees, enabling correct image display even if TVs are physically installed upside down (e.g., for thinner top bezels).
- **Plug and Play, Easy to Use:** Simple connection and installation process. Display switching is easily managed via the included remote control or the three front panel buttons.
- **Professional Design:** Engineered for stable 24/7 operation in professional environments.

5. Setup

5.1. Connection Diagram

Figure 5.1: Typical Connection Setup

Follow these steps to set up your video wall controller:

1. **Power Off All Devices:** Ensure the video wall controller, source device (e.g., TV Box, Computer, Player), and all display TVs are powered off before making connections.
2. **Connect Input Source:** Connect your HDMI or USB-C source device to the corresponding input port on the video wall controller.
3. **Connect Displays:** Connect each of your display TVs to the HDMI output ports (HDMI 1 through HDMI 6) on the video wall controller using high-quality HDMI cables. Ensure the order of connections matches your desired video wall layout.
4. **Connect Power:** Connect the provided 5V DC power adapter to the 'DC 5V' port on the controller, then plug the adapter into a power outlet.
5. **Power On:** Power on the video wall controller, then power on your display TVs, and finally, power on your source device.

6. Operating Instructions

6.1. Basic Operation

- **Power On/Off:** Press the 'POWER' button on the remote control or the front panel to turn the device on or off.
- **Input Source Selection:** Press the 'SOURCE' button on the front panel or the corresponding input button (HDMI, TYPE-C) on the remote to switch between input sources. The active input LED will illuminate.
- **Resolution Adjustment:** Press the 'RES' button on the front panel or the 'Resolution' button on the remote to cycle through available output resolutions (e.g., 1080P, 4K).

6.2. Splicing Modes

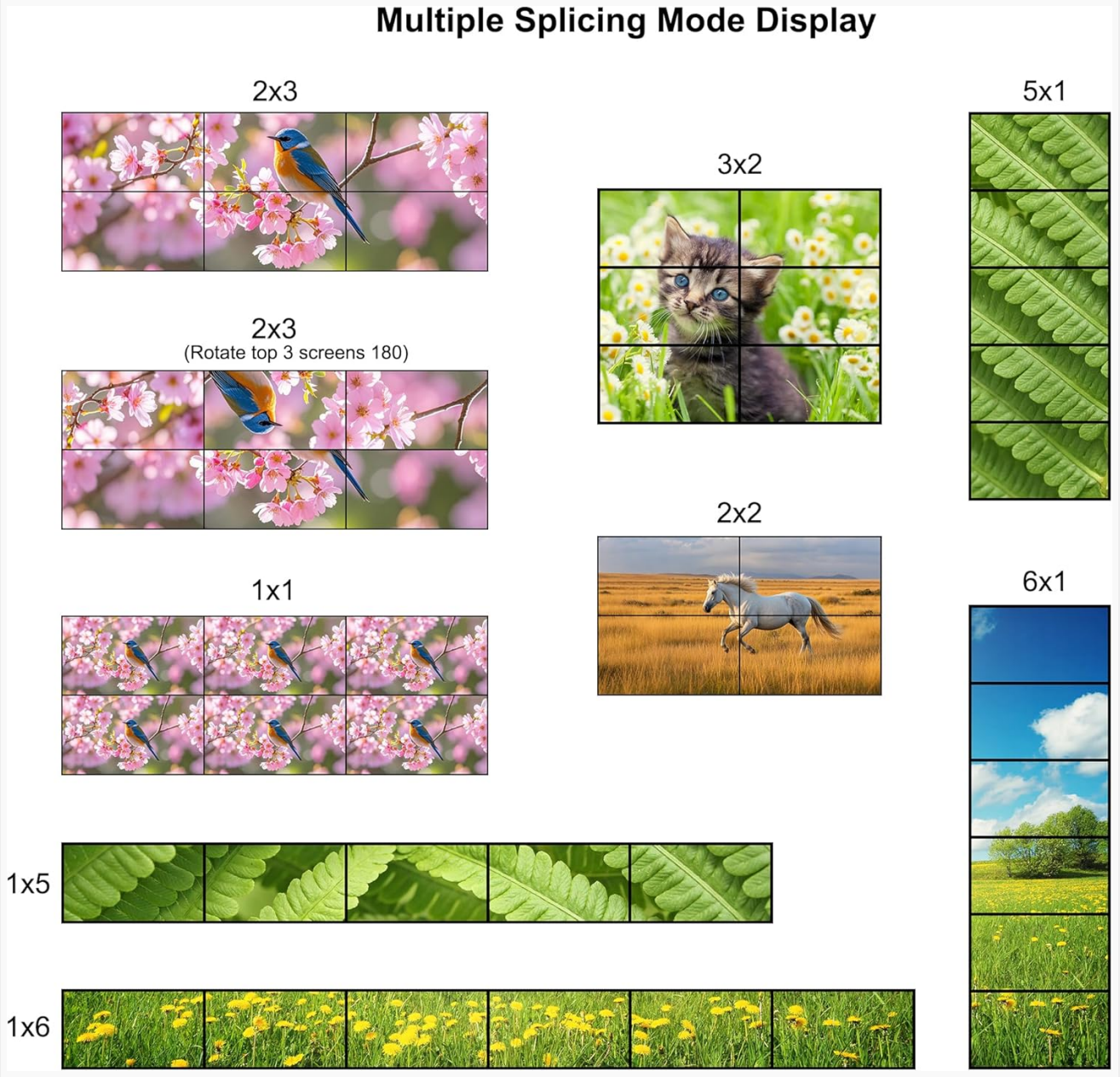

Figure 6.1: Multiple Splicing Mode Display Examples

The controller supports numerous video wall configurations. To change the splicing mode, press the 'MODE' button on the front panel or use the dedicated buttons on the remote control (e.g., 2X3, 3X2, 1X5, etc.). The corresponding LED on the front panel will light up to indicate the active mode.

- **Common Modes:** 2x3 (2 rows, 3 columns), 3x2 (3 rows, 2 columns), 2x2 (2 rows, 2 columns), 1x1 (single display).
- **Vertical Modes:** 1x5, 1x6 (single column, multiple rows).
- **Horizontal Modes:** 5x1, 6x1 (multiple columns, single row).
- Additional modes include 1x2, 2x1, 1x3, 3x1, 1x4, 4x1.

6.3. 180-Degree Rotation

Figure 6.2: 180-Degree Image Rotation Support

Some TVs have a larger bottom bezel and a thinner top bezel, making them ideal for inverted installation to minimize gaps. This controller supports 180-degree image rotation for each output. If you install a TV rotated 180 degrees, enable the rotate function for that specific output to ensure the image displays correctly. This feature helps achieve a seamless and aesthetically pleasing video wall.

6.4. Remote Control Operation

Figure 6.3: Controller and Remote Control

The included remote control provides convenient access to all functions:

- **ON/OFF:** Power on/off the device.

- **INPUT:** Select input source (HDMI, TYPE-C).
- **MODE Buttons (2X3, 3X2, etc.):** Directly select specific splicing modes.
- **V-Disp+/-:** Adjust vertical display parameters (if applicable).
- **H-Disp+/-:** Adjust horizontal display parameters (if applicable).
- **RESET:** Reset settings to default.
- **RESOLUTION:** Cycle through output resolutions.

7. Troubleshooting

If you encounter issues, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No image on displays.	Incorrect input source selected; Loose cable connections; Power issue.	Verify the correct input source is selected. Check all HDMI/USB-C and power cable connections. Ensure the power adapter is securely plugged in and the power LED is on.
Image is distorted or flickering.	Cable quality; Resolution mismatch; Interference.	Use high-quality HDMI cables. Ensure the output resolution matches your displays' capabilities. Try a different HDMI port or cable. Check for nearby electronic interference.
Incorrect splicing mode display.	Wrong mode selected.	Press the 'MODE' button or use the remote to select the desired splicing mode. Ensure your physical display arrangement matches the selected mode.
Remote control not working.	Batteries low/dead; Obstruction to IR receiver.	Replace remote control batteries. Ensure there is no obstruction between the remote and the IR receiver on the front panel.
Image is upside down.	180-degree rotation feature not enabled for inverted displays.	If a display is physically installed upside down, enable the 180-degree rotation function for that specific output.

8. Specifications

Detailed technical specifications for the ISEEVY 4K60 Video Wall Controller:

Feature	Detail
Model Number	ISV-TWC6-4K60P
Input Ports	1x HDMI, 1x USB-C
Output Ports	6x HDMI
Max Input Resolution	3840x2160@60Hz
Output Resolution	Up to 3840x2160 per port

Feature	Detail
Supported Splicing Modes	2x3, 3x2, 1x5, 5x1, 1x6, 6x1, 2x2, 1x1, 1x2, 2x1, 1x3, 3x1, 1x4, 4x1
Rotation Support	180-degree rotation for each output
Control Methods	Front panel buttons, IR remote control
Power Supply	DC 5V
Dimensions	9.65 x 7.6 x 2.64 inches (Package)
Item Weight	1.21 pounds
Color	Black

9. Warranty and Support

This ISEEVY product is designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your product or contact your point of purchase. For technical support, troubleshooting assistance, or service inquiries, please contact ISEEVY customer support through the official brand store or website. Please have your model number (ISV-TWC6-4K60P) and purchase details ready when contacting support.

For additional protection, extended protection plans may be available for purchase. Please check with your retailer for details.

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