



# **J-TECH DIGITAL®**

## USER MANUAL



**J-Tech Digital 4K 2x2 Video Wall Processor**

**JTD-670 | JTECH-VW05**



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# Introduction

The J-Tech Digital® JTECH-VW05 2x2 Video Wall Processor lets you share a single 4K 60Hz HDMI source image to 4 TV panel displays in a 2 by 2 Video Wall configuration for large-screen presentations and events. The JTECH-VW05 provides high-quality image scaling, easy operation controls and adjustable bezel compensation; which are all essential for the video wall system to perform smoothly as envisioned. This video wall system is a cost-effective solution for using multiple LCD screens together to create a larger-than-life display. Have your 4K UHD content displayed bold & bright in various applications such as advertising, entertainment and public information. Users can combine 2, 3 or 4 flat panel LCD TVs into one larger display for a 2x2, 1x2, 1x3 or 1x4 video wall with the help of the J-Tech Digital JTECH-VW05 4K video wall processor.

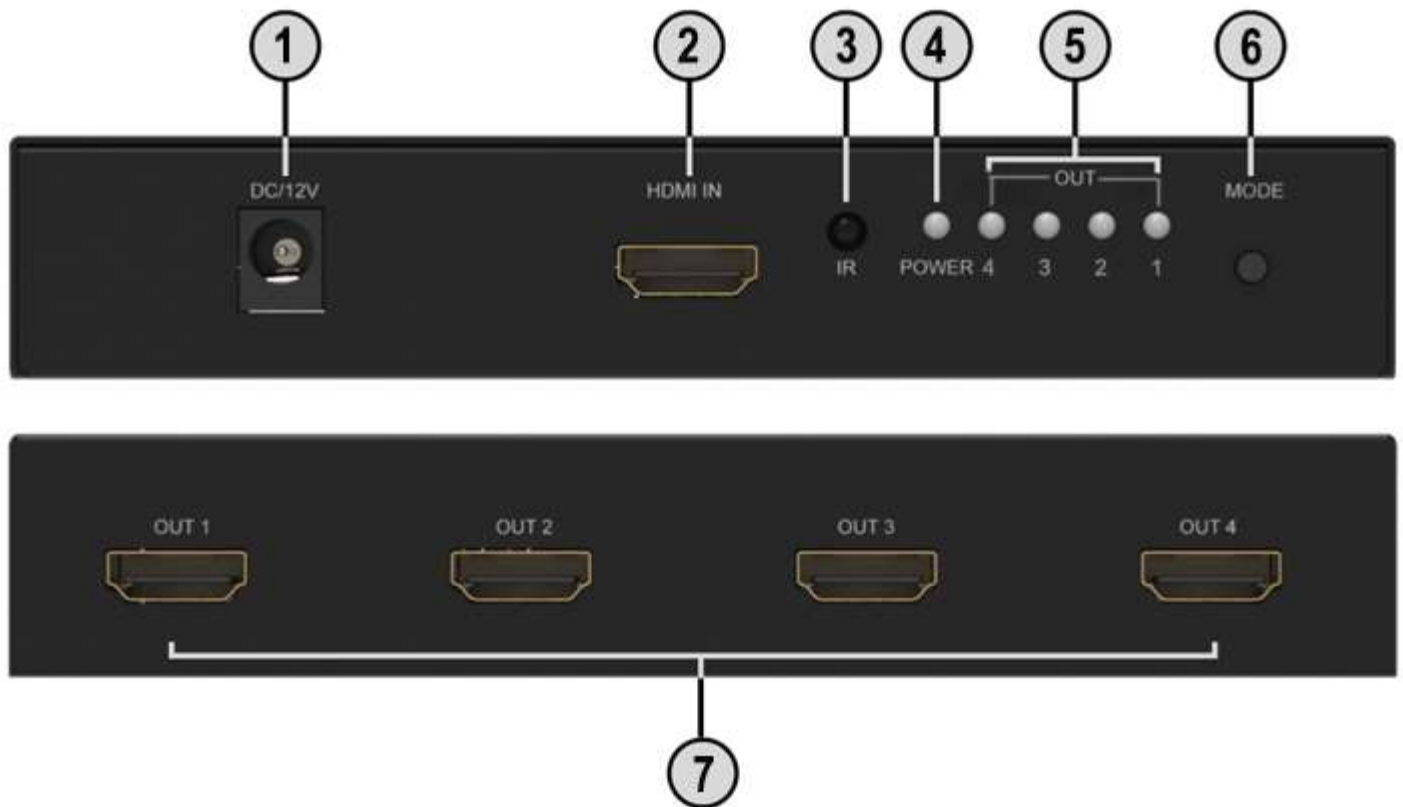
## Features

- \* Supports HDMI input resolutions up to 4K@60Hz YUV 4:4:4
- \* Supports four HDMI outputs resolution fixed to 1080p@60Hz
- \* Supports various display modes selectable via front button and remote control
- \* Supports on screen display (OSD) function for mode and port information
- \* Supports power-off memory function to keep the last setup status when powered back on
- \* Supports independent output rotation (180°) for each HDMI output port (Mode 1 Only)

## Package Contents

- (1) J-Tech Digital JTECH-VW05 2x2 Video Wall Processor
- (1) 12VDC Power Adapter
- (1) IR Remote Control
- (1) User Manual

## Ports & Interfaces

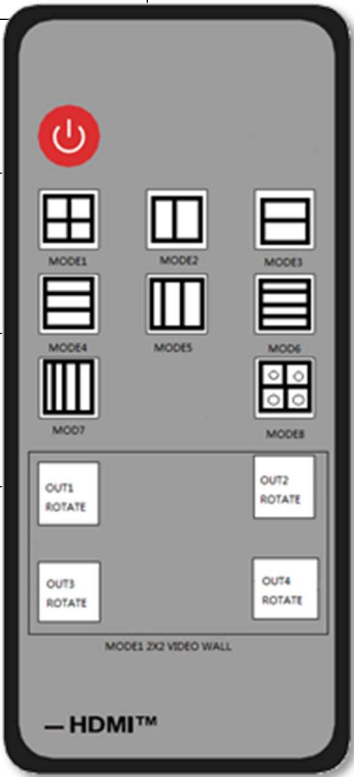


- ❶ 12V DC Power Supply Input Port
- ❷ HDMI IN: HDMI Input Port
- ❸ IR: IR Receiver
- ❹ Power: Power Status LED Indicator
- ❺ Out 1-4: HDMI Output 1-4 Status LED Indicator
- ❻ Mode: Video Wall Mode Selector
- ❼ Out 1-4: HDMI Output Ports 1-4

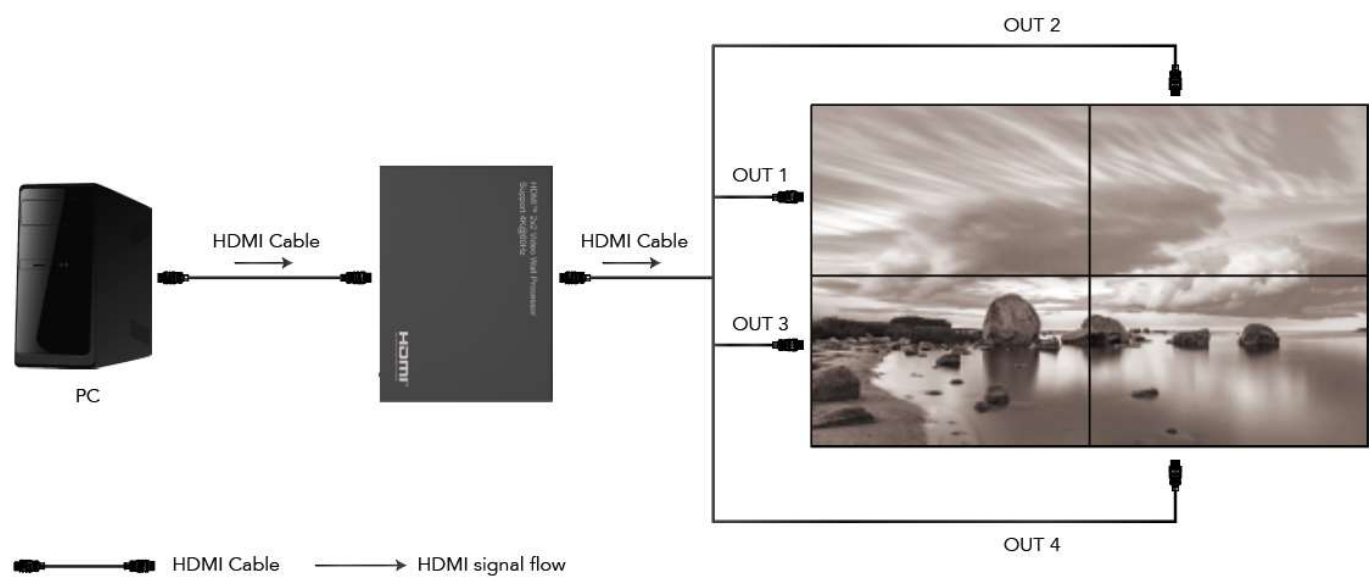
# Video Wall Mode Descriptions

|                            |                                                                              |                                                                              |                                              |  |
|----------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------|--|
| Mode1: 2x2 video wall mode | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> <div>OUT4</div> </div> |                                                                              |                                              |  |
| Mode2: 1x2 video wall mode | <div> <div>OUT1</div> <div>OUT2</div> </div>                                 | and                                                                          | <div> <div>OUT3</div> <div>OUT4</div> </div> |  |
| Mode3: 2x1 video wall mode | <div> <div>OUT1</div> <div>OUT2</div> </div>                                 | and                                                                          | <div> <div>OUT3</div> <div>OUT4</div> </div> |  |
| Mode4: 1x3 video wall mode |                                                                              | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> </div>                 |                                              |  |
| Mode5: 3x1 video wall mode |                                                                              | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> </div>                 |                                              |  |
| Mode6: 1x4 video wall mode |                                                                              | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> <div>OUT4</div> </div> |                                              |  |
| Mode7: 4x1 video wall mode |                                                                              | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> <div>OUT4</div> </div> |                                              |  |
| Mode8: 1x4 Splitter mode   |                                                                              | <div> <div>OUT1</div> <div>OUT2</div> <div>OUT3</div> <div>OUT4</div> </div> |                                              |  |

**Out 1/2/3/4 Rotate Buttons –**  
Independently rotates output image 180°



Connection Diagram



Specifications

|                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| Input Ports                                       | HDMI x 1                                      |
| Output Ports                                      | HDMI x 4                                      |
| Vertical Frequency Range                          | 50/60Hz                                       |
| Supported Input Interlaced Resolutions (50&60Hz)  | 480i,576i,1080i                               |
| Supported Input Progressive Resolutions (50&60Hz) | 480p,576p,720p,1080p,4K@24/25/30Hz,4k@50/60Hz |
| Output Resolution                                 | 1080p@60Hz                                    |
| Operating Temperature                             | 32°F to 158°F                                 |
| Storage Humidity                                  | 5% to 90% RH non-condensation                 |
| Power Supply                                      | 12V DC                                        |
| Power Consumption (Max)                           | 12W                                           |
| Processor & Power Supply Certifications           | FCC, CE, RoHS                                 |
| Dimensions (LxWxH)                                | 5.9 in x 4.4 in x 1.1 in                      |
| Net Weight                                        | 0.87 lbs                                      |
| Material                                          | Metal                                         |

## Troubleshooting

| Problems                                                                                 | Causes                                                                        | Solutions                                                                                                                                          |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power status LED indicator is off and product is not working                             | Power adapter is defective or not seated correctly in the power adapter port. | Please check if the power adapter is connected properly and press the power button.                                                                |
| The product doesn't show the right image from the Apple TV 4K or other streaming devices | The wrong output resolution, refresh rate or HDR setting may be used.         | Please change the dynamic range to SDR (not HDR) and resolution & refresh rate to 4K@60Hz RGB or 4:4:4.                                            |
| No audio or video after attaching power or HDMI cables.                                  | The device is not recognizing the HDMI devices properly.                      | Please ensure that all HDMI cables are seated correctly in their corresponding HDMI ports. If needed, please also try a high speed HDMI 2.0 cable. |

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