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## USER MANUAL

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J-Tech Digital® HDMI 3X3 Video Wall Processor 1080P  
supports Multiple Display Modes, IR and RS232 Control  
Model:JTECH-VW03



JTD-ID: 493

## Introduction

The 3x3 video wall controller , support 1-way HDMI input and 9-way HDMI outputs, the main function is to divide a complete HD image signal into 9 blocks and assign to 9 video display units(such as Rear projection unit, LCD TV, etc.), Complete with 9 HDMI high-definition video display units to form a large dynamic image screen.



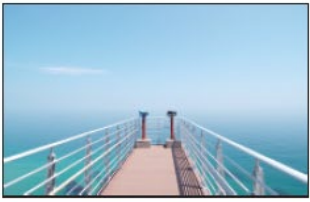
## Remote control



## Features

- \* Support 1 HDMI input
- \* Support input HDMI1.3 version
- \*Support 9 HDMI outputs
- \*Support input 1920x1080P,24/30/50/60HZ, and lower resolution
- \*Support output resolution 1920x1080P 60Hz
- \*Support multiple splicing modes, easy to operate, plug and play

# Multiple splicing modes



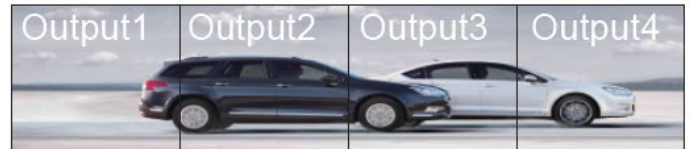
1x1



1x2



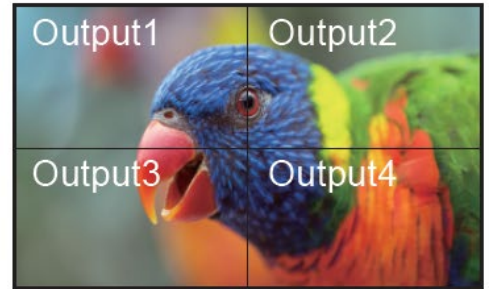
1x3



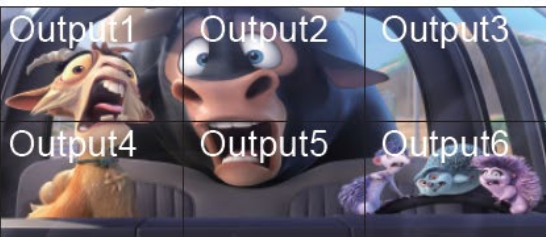
1x4



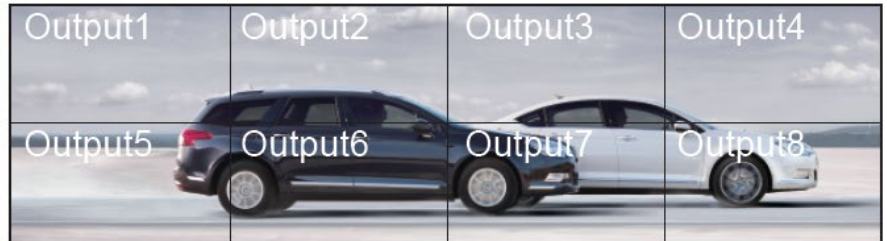
2x1



2x2



2x3



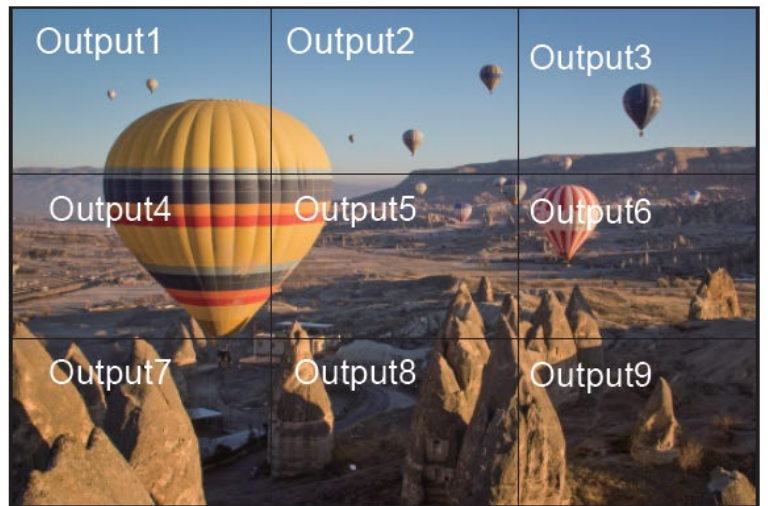
2x4



3x1



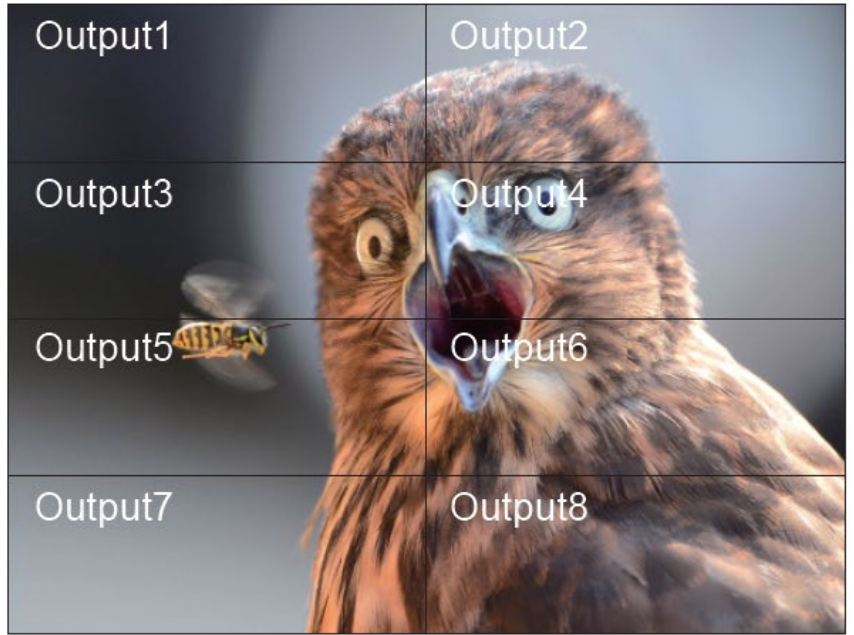
3x2



3x3

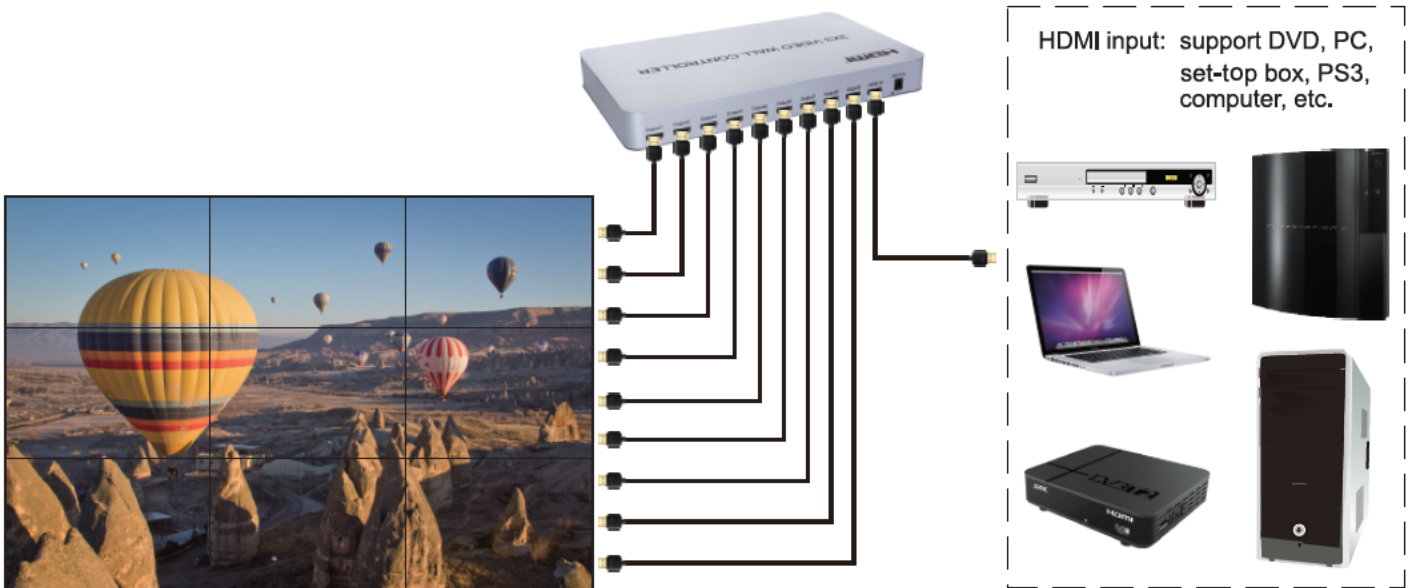


4x1



4x2

## Connection diagram



## Operation steps

Step 1: Connect HDMI source to HDMI IN with HDMI cable, Connect HDMI OUT to TVs, HDMI OUT1 is the topleft star point, HDMI OUT2~9 lined up in rows.



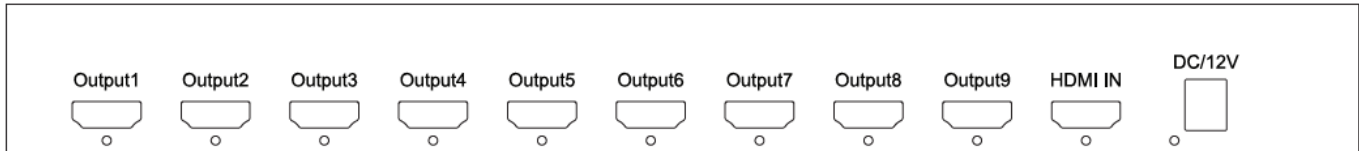
Step 2: Connect 12V power adaptor and turn the switch ON



Step 3: Set up splicing mode by the MODE button on the unit or Remote controller.



# Physical interface diagram

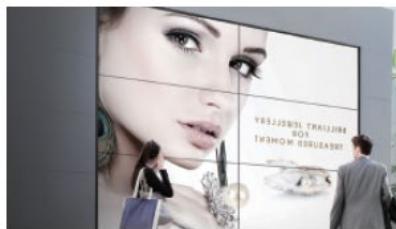


| Ports     | Function description  |
|-----------|-----------------------|
| RS232     | RS232 port            |
| Reset     | Reset button          |
| Mode      | Switch button         |
| IR        | Infrared receiving    |
| ON/OFF    | Switch                |
| Output1-9 | HDMI output 1-9 ports |
| HDMI IN   | HDMI input port       |
| DC/12V    | DC12V power port      |

## Application scene



Outdoor video wall



Shopping mall video wall



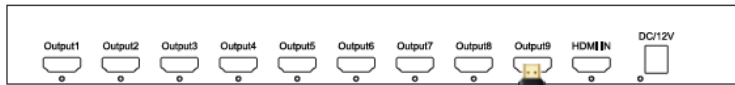
Monitor room

## The package includes

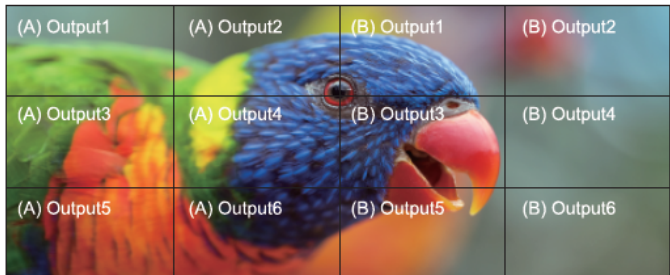
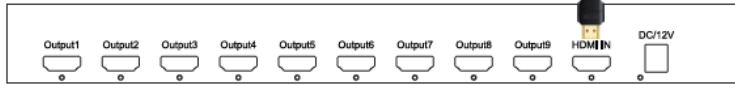
- |                              |      |                |      |
|------------------------------|------|----------------|------|
| 1. 3X3 video wall controller | 1PCS | 3. User Manual | 1PCS |
| 2. DC Power adapter 12V/2A   | 1PCS |                |      |

Attachment: this product can be cascaded with two sets to complete 3X4 and 4X4 modes  
( Using RS232 setting.)

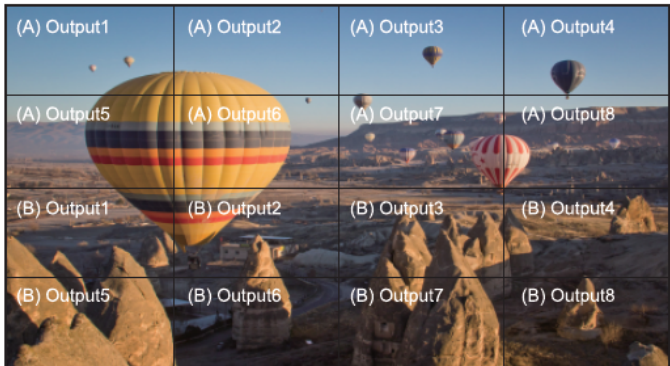
A:



B:

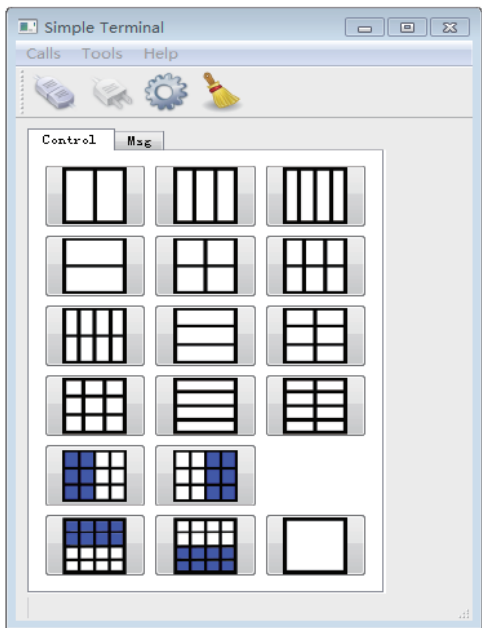


3x4

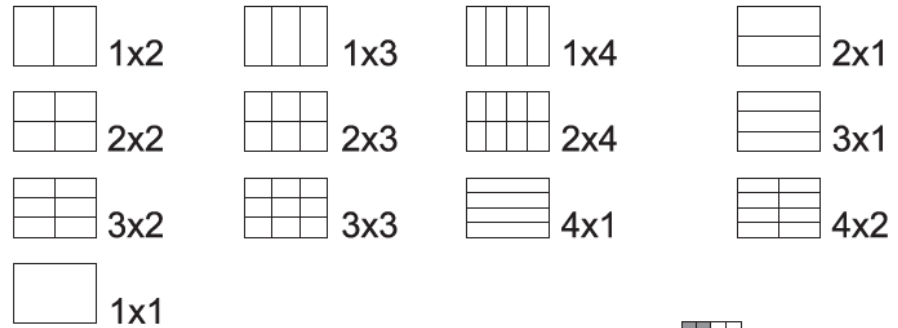


4x4

Note: this product connects with the computer through RS232 serial port to set the splicing mode:



Please according the requirements to select the corresponding splicing mode:



3X4 mode: video wall controller A chooses ;  
video wall controller B chooses ;  
4X4 mode: video wall controller A chooses ;  
video wall controller B chooses ;

( RS232 setting software, consult customer service can be obtained)

## RS232 control protocol

|                         |      |
|-------------------------|------|
| Baud rate               | 9600 |
| Data bits               | 8    |
| Parity Check            | None |
| Stop bits               | 1    |
| Cyclic redundancy check | None |

| command | HEX            | Feedback | Description                             |
|---------|----------------|----------|---|
| G52g\n  | 47 35 32 67 0A | N/A      | Switch to 1x2 mode                      |
| G51g\n  | 47 35 31 67 0A | N/A      | Switch to 1x3 mode                      |
| G53g\n  | 47 35 33 67 0A | N/A      | Switch to 1x4 mode                      |
| G54g\n  | 47 35 34 67 0A | N/A      | Switch to 2x1 mode                      |
| G57g\n  | 47 35 37 67 0A | N/A      | Switch to 2x2 mode                      |
| G59g\n  | 47 35 39 67 0A | N/A      | Switch to 2x3 mode                      |
| G5B9\n  | 47 35 42 67 0A | N/A      | Switch to 2x4 mode                      |
| G55g\n  | 47 35 35 67 0A | N/A      | Switch to 3x1 mode                      |
| G58g\n  | 47 35 38 67 0A | N/A      | Switch to 3x2 mode                      |
| G5Ag\n  | 47 35 41 67 0A | N/A      | Switch to 3x3 mode                      |
| G56g\n  | 47 35 36 67 0A | N/A      | Switch to 4x1 mode                      |
| G5C9\n  | 47 35 43 67 0A | N/A      | Switch to 4x2 mode                      |
| GF1g\n  | 47 46 31 67 0A | N/A      | Switch to the left half of the 3x4 mode |
| GF2g\n  | 47 46 32 67 0A | N/A      | Switch to the right half of 3x4 mode    |
| G63g\n  | 47 36 33 67 0A | N/A      | Switch to the top half of 4x4 mode      |
| G64g\n  | 47 36 34 67 0A | N/A      | Switch to the bottom half of 4x4 mode   |
| G5Fg\n  | 47 35 46 67 0A | N/A      | Switch to 1x1 mode                      |





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