



# **4K 2x2 Video wall controller**

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**LM-TV04-4K 2K**

User manual

# Recording

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# 1<sup>th</sup> Installation instructions

For the safety of you and equipment, please be sure to read the safety instructions carefully before using this device.

If you have any problem, please read this manual first. Detailed description of the equipment operating in the body. If you still have questions, please contact us, we will give you a satisfactory answer as soon as possible.

If the specification is subject to version changes without notice you, please understand. while the equipment installation, please note the following:

## **1、Power supply:**

This device uses 12V/3A External power supply, the power supply support 100-240VAC voltage input, In order for the device to work properly, please do not change the company's brand and specifications other than power.

## **2、Power:**

Equipment is required when moving or other jobs that require power, to turn off all the power, pull the plug, in order to ensure the safety of you and your equipment.

## **3、Cable:**

Not in power cable, signal lines, communication lines, such as cable, cables were crushed or squeeze should be avoided to prevent danger of leakage or short circuit.

## **4、Signal cable connections:**

Plug from the device, pull the signal line, the device need to power down, so as not to damage the device. Charge plug damage is not covered under warranty.

## **5、Openings:**

Outer surface of the device may be cooling holes, do not plug the hole, so as to avoid heat accumulation and damage equipment or cause a fire risk.

## **6、Equipment installation:**

Reasonable placement of equipment, such as loading standard rack, chassis, Cabinet, or placed on a solid, flat work surface to prevent equipment fell.

## **7、Environment:**

Equipment working environment, pay attention to dust, moisture, especially to prevent liquids from soaking and splashed into the device.

## **8、Maintenance:**

All repair work should be done by professional maintenance personnel without training do not attempt to repair the device yourself. To prevent the risk of electric shock, do not open the housing.

# 2<sup>th</sup> product brief

## 1, Brief:

LM-TV04-4K2K is a high-performance UHD Ultra HD4K Four image mosaic, its main function is to 2x2 Tiled display unit displays 3840x2160@60HZ Super high definition images. Products using advanced image processing technology, the input signal can support HDMI2.0, that is 3840x2160@60HZ, will not appear, even when playing fast animation delay, dropped frames are like.

Support 1HDMI2.0, 1 Mobile signal, 1Displayport1.2 input,input resolution up to 3840x2160@60HZ;4HDMI Signal output, the output resolution is fixed to 1920x1080@60HZ.

Other more detailed feature descriptions, please refer the product specifications.

## 2, Device pictures



### 3, Specification

Name	Spec
HDMI input	
Interface	HDMI A type (HDMI2.0 support HDCP2.2)
Resolution	Up to 3840*2160@60Hz
Mobile signal input	
Interface	HDMI A type (HDMI1.4 support HDCP2.0 and mobile signal)
Resolution	Up to 3840*2160@30Hz
DP input	
Interface	DP1.2
Resolution	Up to 3840*2160@60Hz
Audio output	
Fit for output video	
HDMI output	
1920*1080@60Hz	
Input Numbers	HDMI*1,mobile signal*1,DP*1
Output Numbers	HDMIx4
Controller	Remote, button
Power supply	DC 12V
Operating Ambient Temperature	0℃~60℃
Storage Temperature	-20℃~70℃
Humidity	<75%
Dimension	286mm (L) x175mm (W) x30mm (H)

### 4, Connection Diagram



# 3<sup>th</sup> machines installed

## 1, Open the package

Check host attachments. Include the host, the power cord, remote control, warranty card and instructions.

## 2, Installation machine

### 2.1、TV sets:

LCD TV or other display device setting input signal to HDMI State. Display unit has multiple HDMI input ports, make sure that connection splicer HDMI lines corresponding to the port;

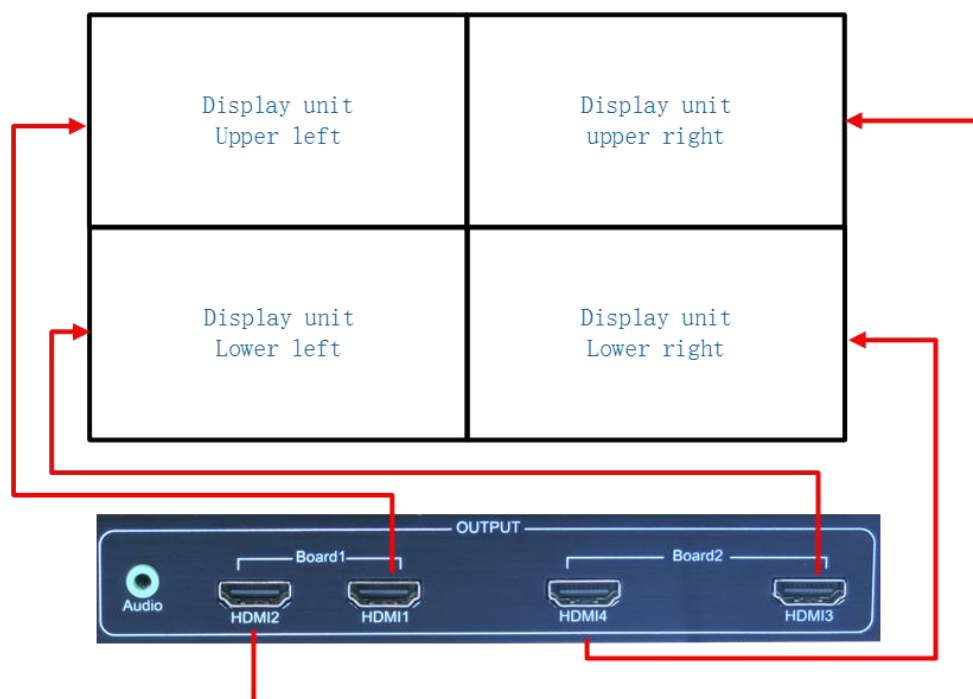
### 2.2、Stitching device connected to the TV:

When in place of picture mosaic, by HDMI Line dock with LCD TV, please note that TV must correspond with the splicing processor is connected to the port.

4LCD TVs by HDMI Line splicer4OUTPUTFour output ports are connected as shown in the following figure:

Upper left of display unit ↔ HDMI 1  
Upper right of display unit ↔ HDMI 2  
Lower left of display unit ↔ HDMI 3  
Lower right of display unit ↔ HDMI 4

Note: If the above two units rotating **180 degree**, HDMI 1HDMI 2 Two-port connections need to reverse it, that the original HDMI 1Change to HDMI2 The original HDMI 2 Change to HDMI 1Port.





Upper row LCD flip effect

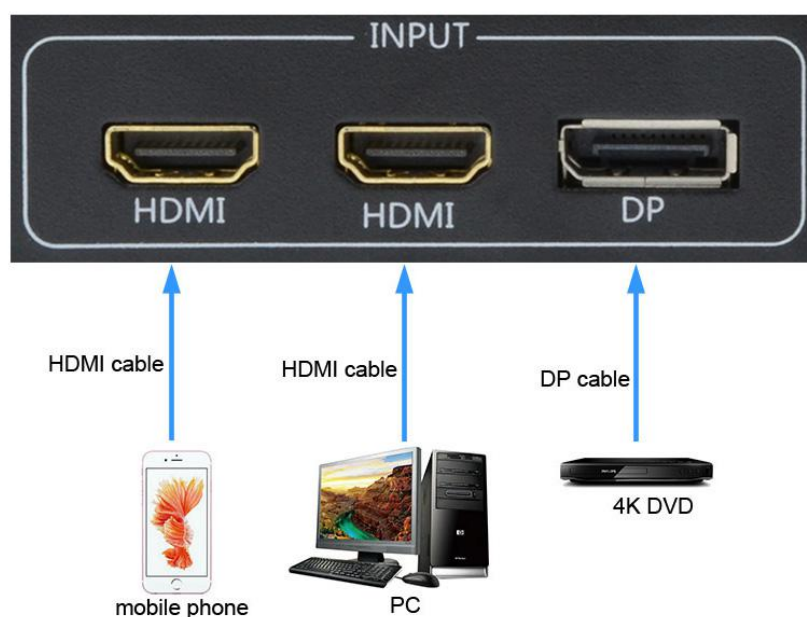
Image rotate effect

## 2.3 、 Input signal connections

Product support 1 HDMI, 1 Mobile signal, 1 Displayport Input, all input embedded audio input or binding, users can access all the signals on demand, or access part of the signal, interface functions and interface pictures are as follows:

Mobile signal : Support HDMI1.4 Signal input, maximum support 3840x2160@30HZ HDMI Signal input can be backwards compatible; through a Macro USB To HDMI Lines can also be compatible with Mobile signal Output image output device, such as Mobile High-Definition Link Enabled mobile phones or Tablet;

HDMI : Support HDMI2.0 Signal input, enter the maximum resolution supported 3840x2160@60HZ;  
DP Support maximum resolution support 3840x2160@60HZ;



## 2.4、 Audio connection

A-OUT Splicer audio output, can purchase an ordinary computer audio and A-OUT Connections;



## 2.5、Power on boot

After the above cable connection is good, through the power adapter to the device input 12VDC power supply, the power led shows red, equipment in good working condition;

# 4<sup>th</sup> remote control settings

Stitching device and the display unit are attached, connected to power the red power light is on, the device works, by remote control or key makes it easy to set up your equipment, or the chassis configuration.

## 1, remote setting:

### 1.1, Call menu



Press the remote control **MENU** Key, the following pop-up menu;



### 1.2, Select the submenu

Continuous press **MENU** Keys moves the cursor stays in the different submenu, submenu that stays as red text, press **OK** Key to select the menu entries, it becomes green text to the selected menu function sets the corresponding submenu.

### 1.3, Change the product settings

After menu changes to green, with remote control keys  to change product parameters or properties, press the return key  to save the setting and exit the menu.

## 2, signal source selection

LM-TV04-4K2K Signal source menu option: Auto-select, D0: DP, D1:HDMI, D2:Mobile signal.

### 2.1, Automatic selection:



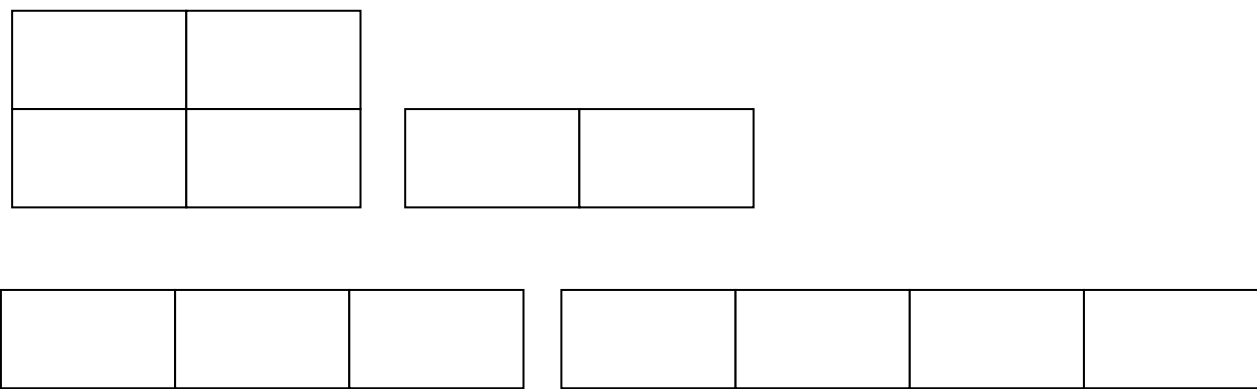
Through the remote control handle menu "signal source" set to "automatic selection", in the case of equipment had no access to other sources, you can automatically insert the signal source and the signal source identification automatically display splicing unit.

**2.2, Manual selection:**

Can be used for a single source or multiple sources at the same time connected to the device, by manually switching the signal source on the remote control display screen displays an image.

**3, split mode**

Through the submenu you can choose many kinds of stitching patterns, such as1x2、1x3、1x4、2x2Mode, as follows:



**4, Board, card ID-Flip**

By selecting "card ID"Number, in the menu" flip "setting theIDWhether an image needs to be rotated,180Four image mosaic2x2Splicing mode rotationID 1Hou, you need to outputHDMI1HDMI2Swap.

**5, language selection**

Menu can be selected by remote control:English, Simplified Chinese, traditional Chinese, three different menu display language.

## 5<sup>th</sup> Keyboard controller

Through the device keyboard control functions with the remote control button function control, this section explains the function of each button, as follows:

**MenuKey:** The following pop-up menu, repeatedly press strike **MenuButton** makes the cursor stays in the different submenus;

**Select/:** The Red menu parameters are modified;

**Save/exit:** To save the modified parameters and exit the menu;

**HDMI:** Key to change to the device **HDMI** input signal source port;

**Mobile signal:** Key to change to device **Mobile signal** port input signal source;

**DP:** Key to change to device **DP** ports input signal source;



### Product Size



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