



HD VIDEO WALL CONTROLLER

LM-TV04B

User manual

Matters needing attention:

1. Please use the power adapter of our company ;
2. HDMI is frobibidden to electric heating;
3. Thunderstorm weather please remove power;
4. Please keep the equipment not less than 20cm of heat dissipation space;
5. The non our department authorizes, prohibits dismantling the machine privately.

Product overview:

LM-TV04B is a high-definition 4 screen video wall controller,It's specially designed for LCD TV, ultra-narrow LCD screen and projector. It supports four HDMI signal outputs and connects four LCD TV sets or other display devices. It can customize 2*2, 1*4 and 4*1 modes according to user's needs. The product uses high-definition processing chip to support 1080P signal input and output. At the same time, it supports 1 channel composite video, 1 channel VGA, 1 channel USB and 1 channel HDMI input. All input signals can be switched to the wall screen for mosaic display, and the audio output is synchronized with the corresponding video.

Users can operate the splicing processor more simply and intuitively, and design infrared remote control and keys. Users can control the splicer by keys or remote control, which makes the operation more humane and simple.

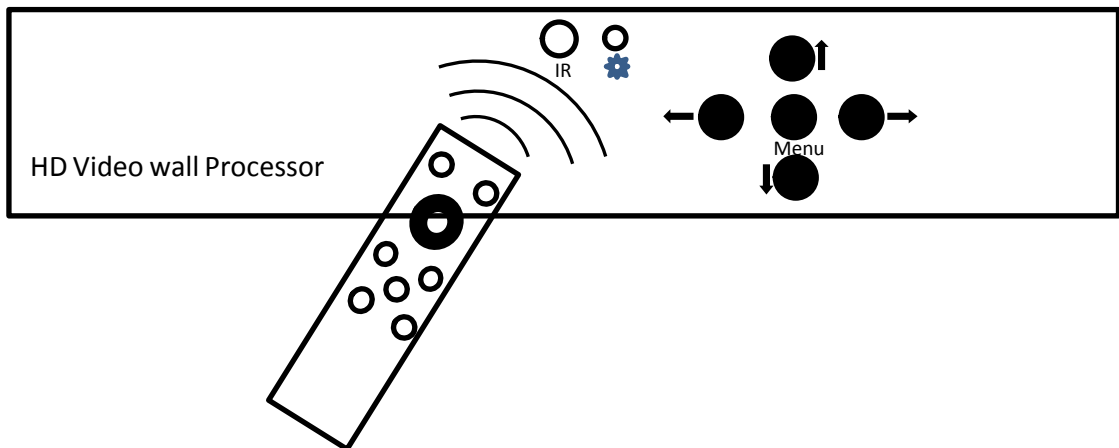
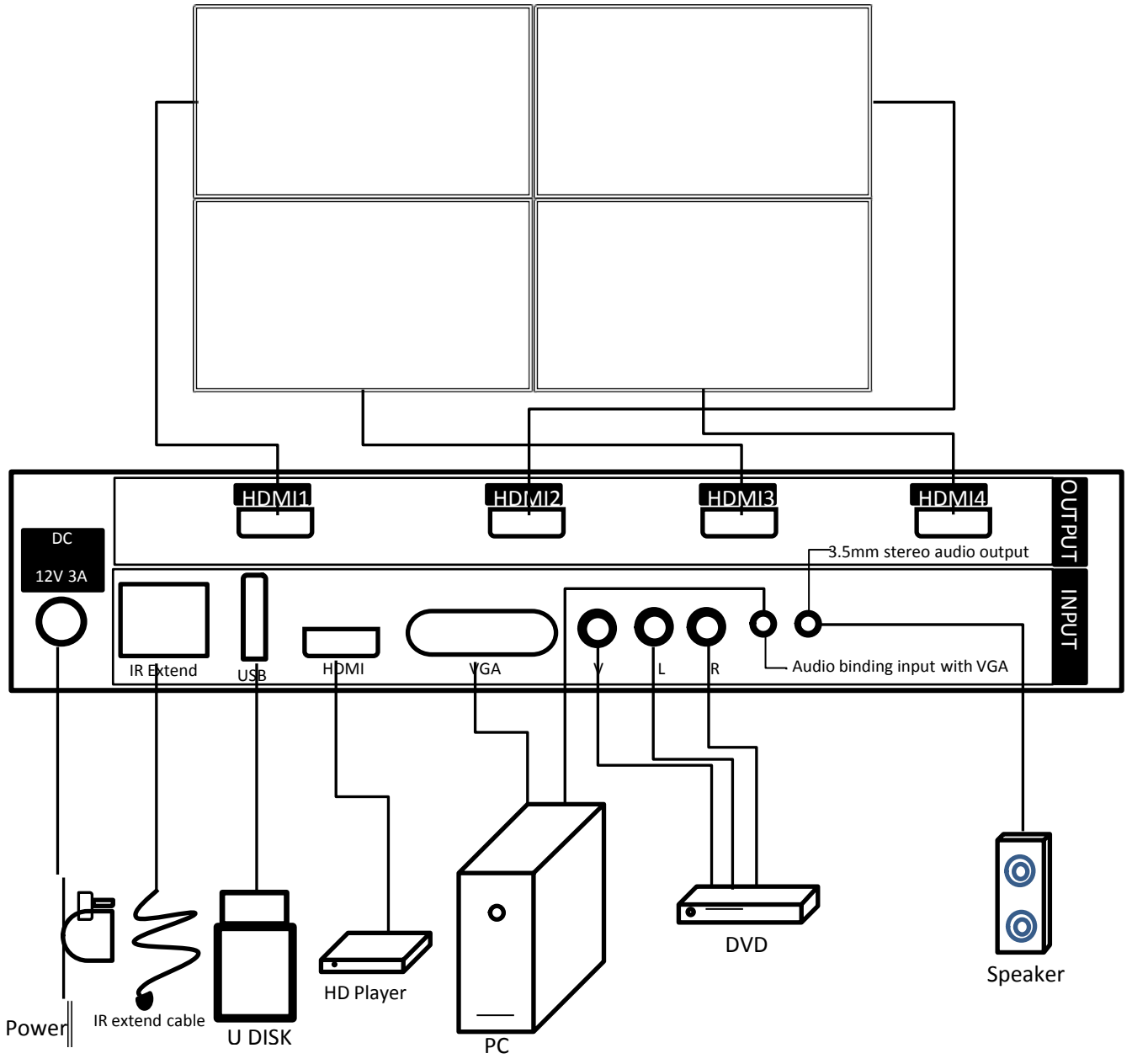
Feature:

1. Support 7 different video wall modes;
2. Support digital and analog signals input;
3. Built-in Scaler, full HD 1080P thread processing;
4. Output support HDMI and DVI protocols are optional.
5. Output support 1080P@60Hz, 720P@60Hz, 1024*768@60Hz is optional;
6. Each screen can independently select the flip function.
7. Support edge shielding function;
8. USB audio and video decoding function.

Technical Parameter:

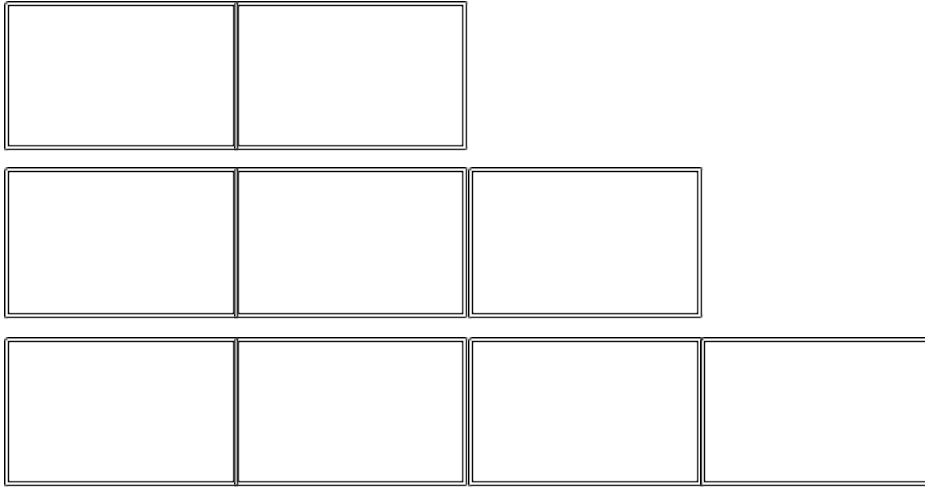
Input	
HDMI signal	HDMI1.3(HDCP1.2) compatible DVI1.0
VGA signal	Support 640*480 to 1920*1200@60Hz input, with 3.5mm audio binding input
AV signal	Automatic identification of NTSC and PAL
USB signal	Video format: Mpeg1,2,4 (up to 1920*1080@30P) ; Divx, Xvid (up to 1920*1080@30P) ; RM, RMVB (up to 1920*1080@25P) ; H.264 (up to 1920*1080@30P) ; VC-1 (up to 1920*1080@30P) ; MJPEG (640*480@30P) .
	Audio format: MPEG1/MPEG2/MP3/AAC-LC/WMA
	Photo format: 422/411/420/444/422T
	Text format: TXT
Output	
HDMI type	HDMI*4 (support HDMI1.3 and DVI1.0)
Resolution	1920x1080@60Hz/1280x720@60Hz/1024x768@60Hz
Audio	3.5mm interfacer, stereo audio
Other	
Control	Remote, Key Panel
Power supply	DC12V/3A
Power waste	20W
Work temperature	0-60°C

Standard Installation:

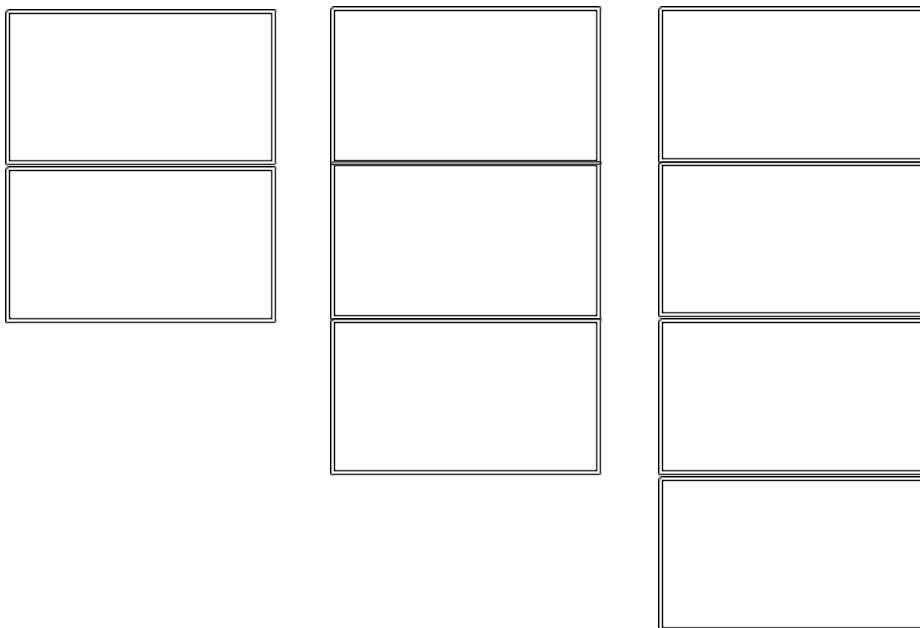


Personality installation:

(1) Horizontal splicing



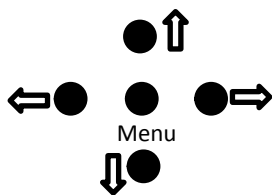
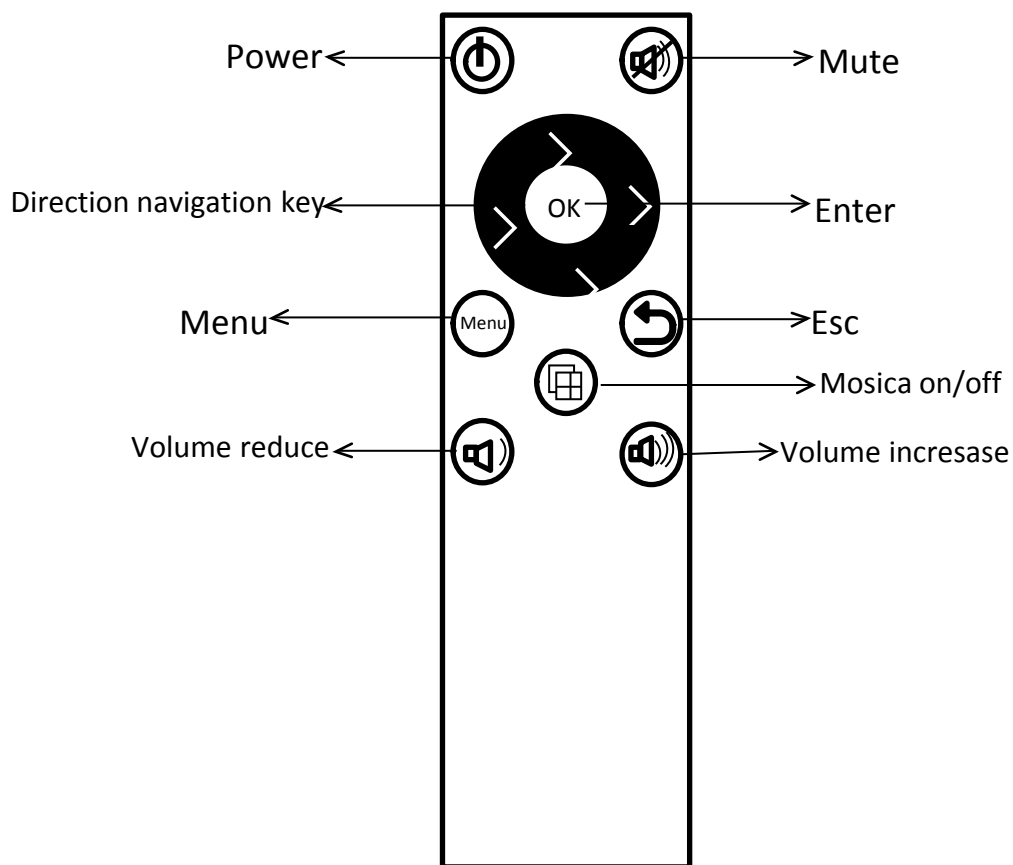
(2) Vertical splicing



Installation instructions:

1. use the HDMI line to connect the output of the machine to the corresponding display screen.
2. After electrifying, the splicing of the deity indicator is a green light and the fan operation indicates that the machine works normally.

Remote control function:




Key panel function:

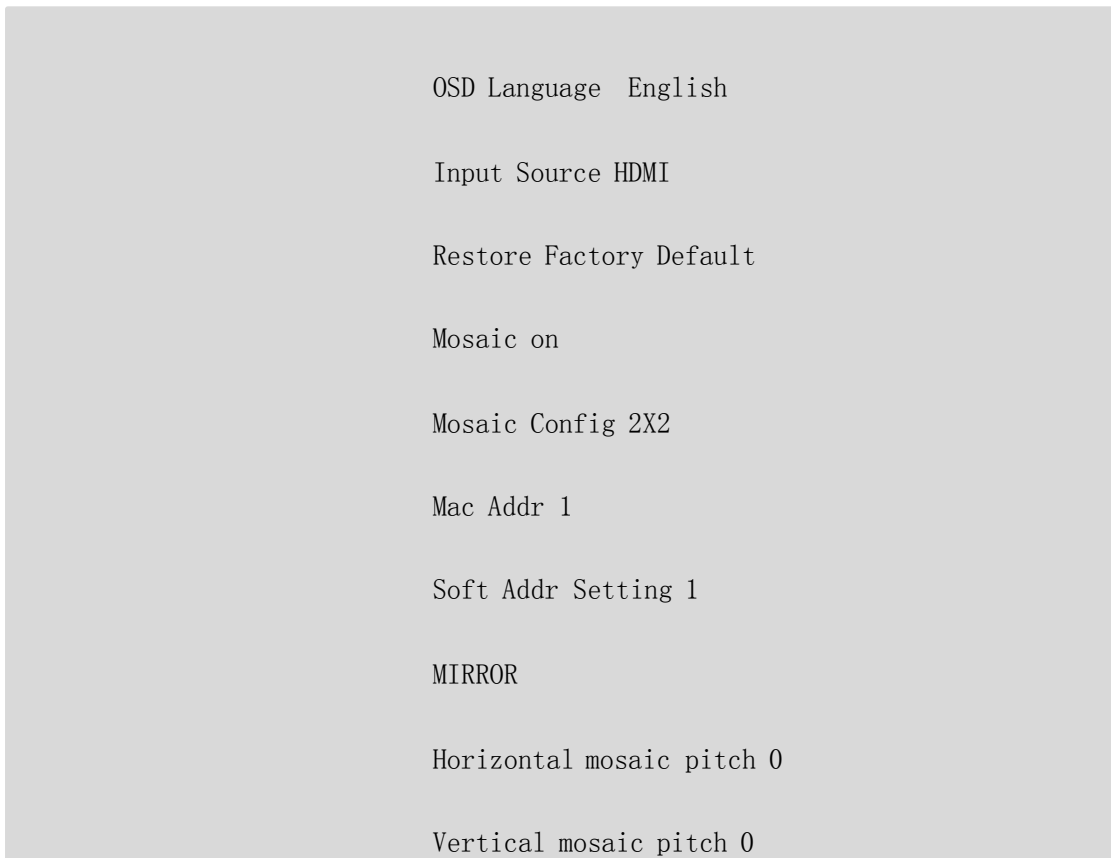
Menu	Menu/exit
	Up
	Down
	Left/volume reduce
	Right/enter/volume increase

Remarks :

1.1 In the USB playback state , the OK key also plays the play pause key; ;

1.2  The key is the switch output resolution without the menu.

Menu description:



- 1、**OSD Language:** 20 type languages, such as Chinese or English can be selected.
- 2、**Input Source:** HDMI/VGA/AV/USB can be selected.
- 3、**Restore Factory Default:** One button reset to factory setting.
- 4、**Mosaic:** on or off can be selected.
- 5、**Mosaic Config:** User can select 1X2, 2X2, 1X3, 1X4, 2X1, 3X1, 4X1 mode. With 1X2 as an example, this splicing mode is 1 rows and 2 columns, So and other modes.
- 6、**Mac Addr:** 1, 2, 3, 4 correspond to the output port HDMI1, HDMI2, HDMI3 and HDMI4, which is not changed. For example, select 2, then I will process the signal for HDMI2 output.
- 7、**Soft Addr Setting:** Software address can be changed, which means that the user can specify a HDMI output port display different image mosaic, taking 1X2 as an example, the output port HDMI1 is connected on the display 2, the output port HDMI2 is connected on the display 1, then do the tiled display, the image is reversed (see chart 1)

本机拼接地址信息 物理地址： 2	本机拼接地址信息 物理地址： 1
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(Chart 1) Images can not be stitching normally

At this point, the user can reconnect with the standard installation mode, and if it is not convenient to reconnect, the user can correct the software address by changing the software address. The physical address specified in 1, and then select the software address set to 2; similarly physical address 2 is specified, another software address is set to 1, so that the image can be normal splicing. (as shown in Figure two)

本机拼接地址信息 物理地址： 2	本机拼接地址信息 物理地址： 1
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(Chart 2) Normal image stitching

8、MIRROR: 180 degrees flipping for the image of the current physical address output.

9、Horizontal mosaic pitch: The stitching image is fine tuned in the horizontal direction. The professional user can use the edge shielding or other extension functions. The default value is 0, and the general user does not recommend adjustment.

10、Vertical mosaic pitch: The stitching image is fine-tuning in the vertical direction. The professional user can use the edge shielding or other extension functions. The default value is 0, and the general user does not recommend adjustment.

11、Out mode: 1080P@60Hz , 720P@60Hz , 1024x768@60Hz can be selected。 Usually 1080P@60Hz

12、Out Type: HDMI or DVI can be selected. Users may choose DVI display or non-standard HDMI TV to make splicing wall. At this time, DVI mode must be selected, so that the screen will have images, but HDMI port will not be able to send audio to the display.

FAQ:

1. There is no signal on the display screen.

1.1 confirm that the HDMI input port of the display screen is butted with the HDMI output interface of the splice artifact, and the corresponding signal source channel of the display screen also selects the corresponding input channel.

1.2 confirm that the machine is open, and the LED lamp is green, and the fan is running normally.

1.3 confirm HDMI high definition connection line support HDMI1.3 and HDMI line is OK, interface connection is normal, no loose, drop.

1.4 confirm that the display can support 1080P@60Hz high-definition signal input. Otherwise, the high-definition display should first connect to the remote control, then enter the menu through the remote control to reduce the resolution to match the mosaic display screen.

1.5 confirm whether the display screen supports the HDMI1.3 or DVI1.0 protocol, or you should first access the high definition TV to enter the menu to change the output type.

2. There is no sound in the HDMI port of the display screen.

2.1 make sure that the sound of the display screen is open and the volume is large enough.

2.2 confirm that the HDMI input source has audio embedding, and the USB decoded file audio format is not Dolby audio format;

2.3 enter the splice artifact menu, find the output type, whether the current display is HDMI or DVI, switch to HDMI.

3. individual display screen stitching is not controlled?

3.1 power break restart and reoperation;

3.2 if the power is restarted, if it still doesn't work, enter the menu and choose the physical address to press the left / right button to observe whether the physical address and the software address of the mosaic displayed in the blue window of the upper left corner of the display are correct. If the software address is incorrect, it can be changed manually.

4. The sequence of stitching is not correct.

4.1 access to the menu operation stitching software address settings, specific operations please refer to the menu - > image flip settings.

5. Display screen turn 180 degrees?

5.1 enter the menu to select the physical address of 180 degrees, and then choose the image to reverse to reverse.

Thank you for bought the equipment and your support is the driving force of our continuous progress!