



LM-R90U

phone mirror cast controller

USER MANUAL

# catalogue

1, Installation instructions .....	2
2, Product overview .....	2
3, Machine setup .....	3
4, Product setting .....	4

# I Installation instructions

Welcome to choose our products. In order to use the products well, please read this manual carefully before using.

- 1、 In order to save your precious time, this instruction does not introduce to the ordinary electrical appliances use instruction.
- 2、 This equipment uses 12V/3A DC power supply, Please do not use other specifications power supply;

## II Product overview

### 1. Overview:

Mobile phone projection screen rotator is a high-performance image multiplier rotation switch, the internal use of high-speed image processing chip. Its main function is to enable Android, Iphone mobile phone IPAD in vertical pendulum to display images synchronously to vertical display LCD TV or projector and other display devices.

The product can rotate the input USB signals of HDMI, DP and mobile phone at 90, 180 and 270 degrees, and take vertical screen shots according to the Iphone, Android and IPAD, so that the images can be displayed to the LCD screen and projector which are placed vertically. The product is designed with infrared remote control and chassis key control, and the user is more simple and intuitive when operating.

### 2. Main functions

- 1, HD image can be rotate 90,180,270 degrees;
- 2, Image cutting,make the image display on vertical screen without distortion;
- 3, Can be supported 2 HDMI,1 DP,1 USB(custom) signals input;
- 4, Can be supported 2 HDMI output display 2 completely same image ;
- 5, Input resolution up to 3840x2160,output resolution is fix on 1920x1080@60HZ.
- 6, 4 signals can be switched to display screen;
- 7, It is used in phones,iPad,medol shows display on vertical screen.

### 3、 System topology



## III Machine setup

### 1, Open the package

Check the host and accessories. It includes mainframe, power cord, remote control, warranty card and instruction manual.

### 2、 Install the machine

**2.1、 Display unit setting:** input the LCD TV or other display devices into HDMI state.

**2.2、 Output connection:** Connect any HDMI port in the device OUTPUT box to the HDMI input port of the display unit through the HDMI cable;

insert the 3.5mm earphone jack into the Audio port in the OUTPUT box if you need to use external audio.

### **2.3、 Input signal connection**

Products supports 1 DP, 2 HDMI, 1 USB (Customized) input. HDMI and DP ports can be connected to PC, Blu-ray DVD and other devices, using mobile phone charging data cable directly connected to the USB port of mobile phone and equipment.

### **2.4、 Energizing**

After the cables are connected, insert the 12DC power and turn on through the infrared remote control POWR key.

## **IV Product setting**

### **1, Equipment opening**

1. 1, When the 12V power supply is switched on without signal, the device indicator light is red, and then the indicator light turns green, indicating that the front end has no signal input or the input port is not correctly selected.

1.2, When the 12V power supply is connected under the signal state, the device indication is set to red, then the indicator light turns green instantaneously, and then changes from green to red, indicating that the front end has been connected to the signal source.

## 2, Menu description

Input Source	Auto Select
Brightness	50
Contrast	50
Language	English
Disp Rotate	0
Crop Mode	Off
Edge	Top Side 0
	Bottom Side 0
	Left Side 0
	Right Side 0
Reset	

### 2.1、 Instructions for using remote control menu:

- Press the **MENU** on the remote to appear menu as following:
- Move the cursor to the item you need through remote.
- Choose the item and press ok ,then the menu become green.
- Adjust the parameter through the left/right key
- Press return button to close the menu display.



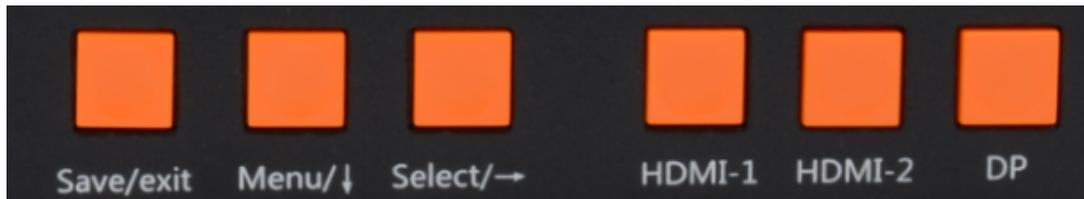
## 2.2、 Button instruction:

Press **HDM**, **HDM**, **DP** button to switch signal source;

Press **MENU** button and then the menu will be appeared, the cursor will move to next item if go on press the menu button.;

Press **Select** and begin to adjust the item;

Press **Save/exit** to save the setting and exit;



## 2.3, signal selection:

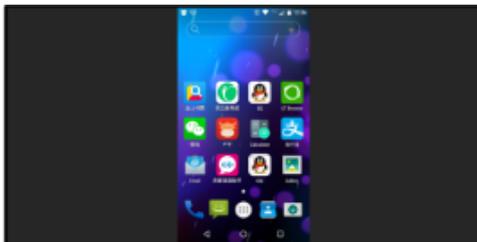
Press the MENU button to manually select the input signal source. The input signal can also be automatically selected, and the device will automatically identify the access signal to the large screen display. If the device has a built-in USB port and no other HDMI or DP signals are present, the USB signals are automatically synchronized to the display unit.

## 3, Use the USB SYNC function

Making USB to the display screen, you must connect the device to the phone through the mobile phone charging data line. After connecting the phone, please follow the EZcast interface steps to set up the operation. Android phones need to synchronize the next EZcast APP. Apple phones can download the APP directly without downloading it.

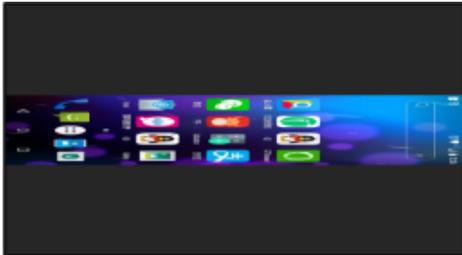
## 4, vertical screen setting

4.1、 no processing signal as following:



#### 4.2、Image rotation:

According to the actual situation in the menu set image rotation 90 degrees or 270 degrees, the image after rotation around a larger black edge, and image compression is serious, as follows:



#### 4.3、cutting black area

after cutting the black area ,the phone signal can be displayed in the vertical screen as following



#### 4.4、Edge adjust

We debug the device with full screen of Iphone, Ipad and Android according to Apple's TV box and mobile signal's HDMI-enabled mobile phone. Because there are a variety of wireless same-screen devices in the market and the differences in parameters will lead to incomplete display of mobile phone images or black edges. If you encounter the above situation, you can debug to full screen display through the edge trimming function.