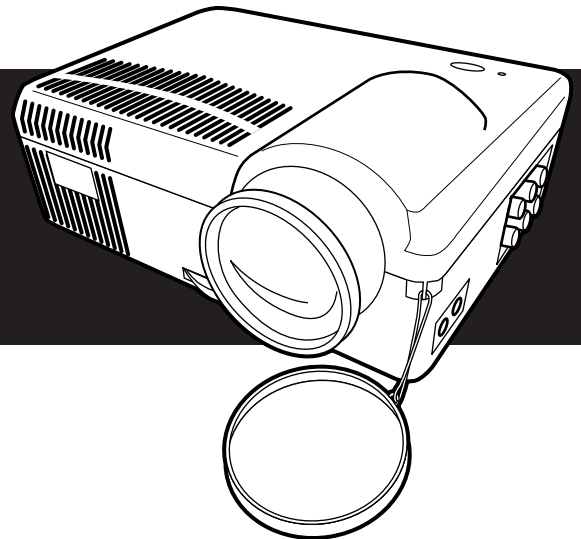


# 900-Lumen Portable LED Projector

Part #: 21797

User manual







## SAFETY WARNINGS AND CAUTIONS

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

**CAUTION:** To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified personnel.

### IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for your projector. Before using your projector, read all instructions and cautionary markings on the product.

**DANGER:** To reduce the risk of fire or electric shock, follow these instructions.

**FCC Statement:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Your adapter is ETL listed to UL standards and meets all applicable FCC standards.

**WARNING:** Changes or modifications to this unit may cause interference and void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Re-orient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Consult Sima Customer Service at [www.simaproducts.com](http://www.simaproducts.com) if the problem still exists.



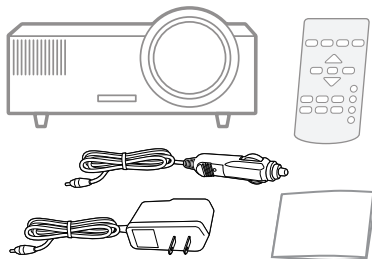
## WARNINGS

1. Please read this manual carefully before using your projector.
2. To ensure a stable power supply, use a good supply line and an outlet with grounding.
3. Please use the power supply indicated on the projector and the power cable provided with the projector.
4. Dismantling the projector voids any warranty repair.
5. Do not look at the light source of the projector so as to avoid hurting your eyes.
6. Do not obstruct the vents on the projector.
7. To prevent user from electric shock, please keep the projector away from rain and dampness.
8. Please shut off the switch and unplug the power supply if the projector will not be used for a long time.
9. Extended use of Highlight Mode shortens the life of the lamp.
10. When the projector is transported, please use foam and other anti-shock materials provided with the projector.
11. If the projector is found to be damaged, please do not try to repair it by yourself; please call our Customer Service at 800-345-SIMA, Monday to Friday, 8AM to 5PM Eastern Standard Time.

Thank you for your purchase of Sima's LED Projector! With proper care, we hope that you will get many years of enjoyment from it.

### Product Features

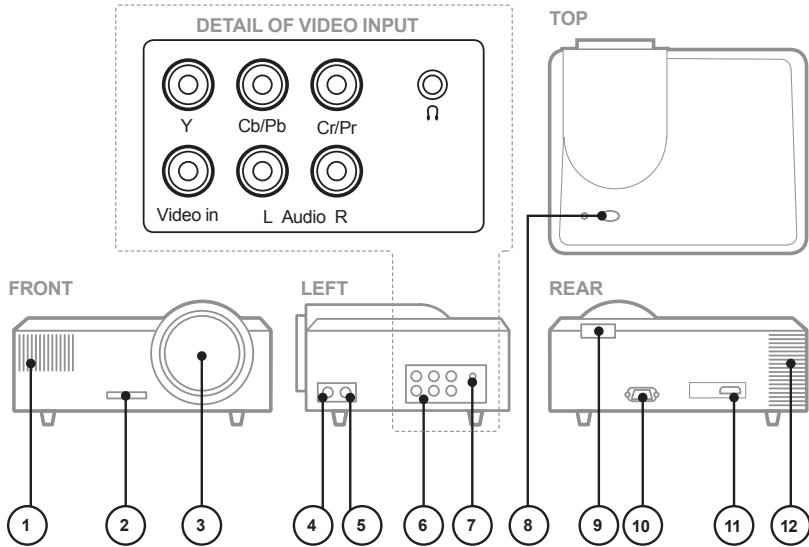
- High-efficiency cooling channel to enhance stability and lifetime.
- Long-life LED lamp provides over 20,000 hours of working time, with richer color and detail.
- Electronic zooming function and free image size setting.
- Free image mode transforms aspect ratio from 16:9 to 4:3.
- Light and portable.
- Supports upward, downward and rear projection installation.
- Low power consumption, only 60W.
- Multiple input interfaces:
  - RCA Composite
  - Component
  - HDMI
  - VGA
- Built-in 12-Volt power output terminal provides power for external speakers, etc.
- Vehicle power supply supported.



### Package Contents:

1. Remote control
2. Projector
3. 120 Volts AC wall power adapter
4. 12 Volts DC automobile adapter
5. User Manual

### PROJECTOR FEATURES:

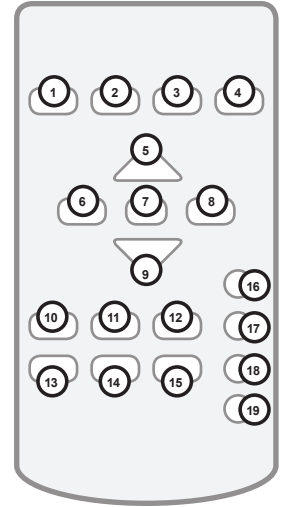


- |                                  |                             |
|----------------------------------|-----------------------------|
| 1. Vent                          | 7. 3.5mm Audio Out          |
| 2. Keystone Adjustment           | 8. Power Button             |
| 3. Lens/Focus Adjustment         | 9. Remote Control IR Sensor |
| 4. 12V DC In                     | 10. VGA In                  |
| 5. 12V DC Out                    | 11. HDMI In                 |
| 6. Video Input Panel (see inset) | 12. Vent                    |

### REMOTE FEATURES:

(Your remote may differ than shown here, but the labels should be similar)

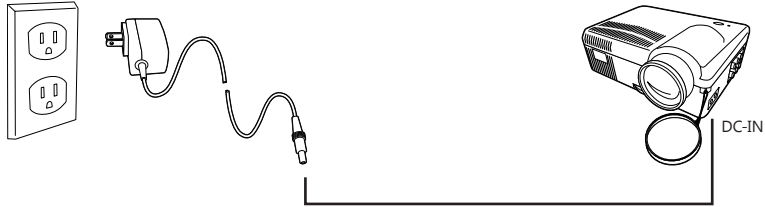
1. Previous
2. Reverse
3. Forward
4. Next
5. Up
6. Left
7. Okay
8. Right
9. Down
10. Input Source
11. Unused
12. LCD Mode
13. Unused
14. Highlight/Normal Light (best to use Normal)
15. Turn (rotates the screen)
16. Power
17. Mute
18. Volume Up
19. Volume Down



**SETUP:**

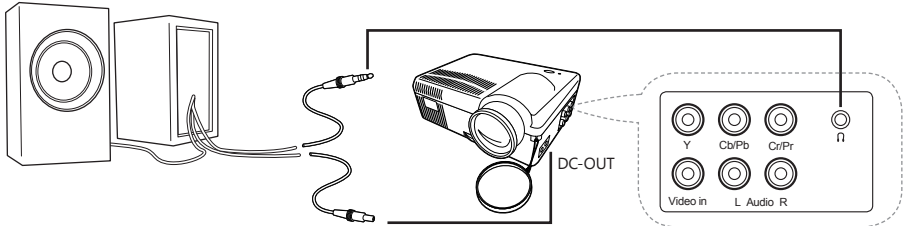
**1. Connect power adapter to the DC-IN jack**

(do not turn on projector yet)



**2. Connect external speakers (optional, but recommended)**

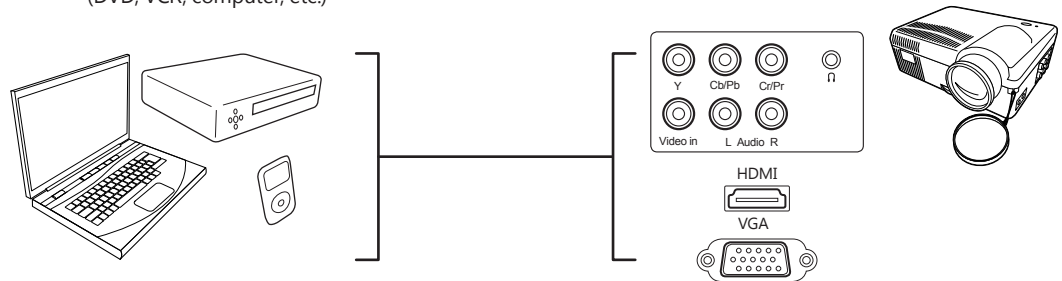
This projector features a built-in DC-OUT (12 Volt) power supply for speakers.



**3. Connect to video source**

Video Source  
(DVD, VCR, computer, etc.)

LED Projector



**4. Power on projector, speakers (if connected) and video source**

**5. Adjust LED projector display**

(keystone, brightness, etc.)

**6. Play video**

### Operations

Powering on and off:

Once power is supplied to the projector, the indicator light near the power button flashes indicating that the projector is in standby mode. To turn it on, hold the power button for two seconds (or use the power button on the remote). The indicator light will stop flashing and stay lit, showing that the projector is powered on fully. To turn it back off, hold the power button for two seconds (or use the power button on the remote). The indicator light should begin flashing again.

Image Focusing:

The minimum focal distance from the projector to the screen or wall is four feet (48 inches, or about 122cm). Use the chart below for general reference of distance of projector from the wall to the size of the image displayed. Rotate the lens to focus the image.

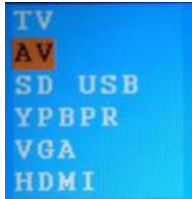
| 4:3  |              | 16:9 |              | L      |
|------|--------------|------|--------------|--------|
| 50"  | 39.8 x 29.9" | 46"  | 39.8 x 22.4" | 75.6"  |
| 60"  | 47.2 x 35.4" | 54"  | 47.2 x 26.4" | 91.7"  |
| 72"  | 57.1 x 43.3" | 65"  | 57.1 x 31.9" | 110.6" |
| 86"  | 67.7 x 51.2" | 77"  | 67.7 x 38.2" | 126.8" |
| 100" | 78.7 x 59.1" | 90"  | 78.7 x 44.1" | 144.9" |

#### Projection Picture Size and Projection Distance

This data is for reference only. You can adjust the size of the image using the electronic zoom function from the LCD Menu.



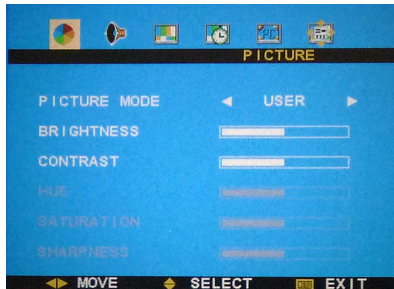
## MENU OPERATION:



### Signal source choosing

If your projector does not automatically detect the video input source, press the Input Mode button on the remote control (it may be labeled 'I-mode' or 'Source'), and the menu will appear in the top, left-hand portion of your screen.

Press the "Up" or "Down" button to choose the signal source, and press the "Right" button to confirm the signal source.

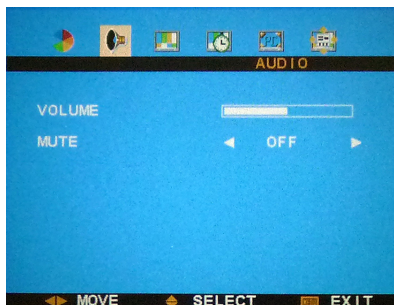


### Picture Menu

When you press the "LCD Menu" button on the remote, the Main Menu for picture adjustment appears.

At picture menu, you can adjust: contrast, brightness, hue, saturation, sharpness, picture mode, scaling.

Press the "Up" or "Down" button to choose the item you need to change, and use the "Right" or "Left" button to adjust.

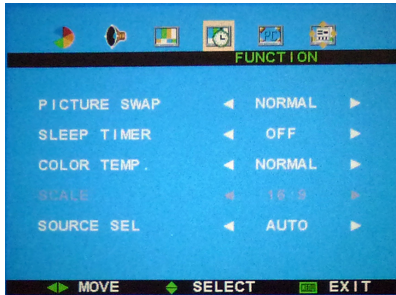


### Volume menu

After you press the "LCD Menu" button, the Main Menu for picture appears.

Then press "Right" once to display the "AUDIO" sub-menu.

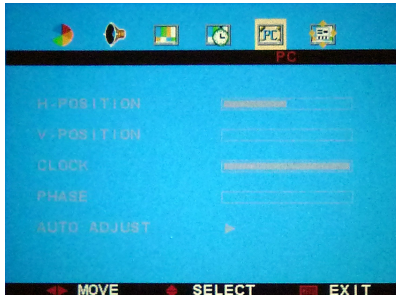
Although you can adjust the volume here, you can also adjust volume directly by pressing "VOL+" and "VOL-" on the remote.



### Function Menu

After entering the Main Menu, press the "Right" or "Left" buttons on the remote until the "FUNCTION" menu appears. Here you adjust how the screen is displayed, set the sleep function, the display of color and manually select the signal source for the projector.

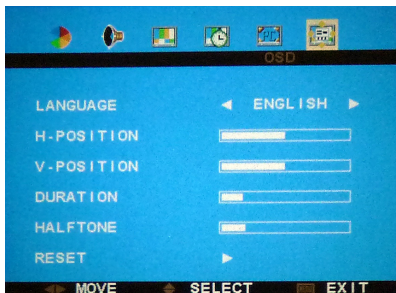
Use the "Up" or "Down" button to choose the item you would like to change, and use the "Right" or "Left" button to adjust.



### PC Menu

Only when the signal source is set to VGA can you make adjustments to the PC menu (otherwise, you will not be able to select it). The items you can adjust are: Contrast, brightness, H-position, V-position, and Clock etc.

As before, use the "Up" or "Down" button to choose the item you would like to change, and use the "Right" or "Left" button to adjust.



### OSD Menu

The last menu available in the on-screen display menu system is "OSD". Here you can make adjustments to: Language, H-position, V-position, Duration, and Halftone.

### KEYSTONE CORRECTION:

In order to display your picture as accurately as possible, you must ensure the projector is aimed directly central to the screen. Otherwise, a 'keystone' effect may occur. You can normalize the image by first ensuring the projector is aimed centrally to the screen, and its beam is perpendicular to the screen, then using the built-in keystone feature.

#### Vertical Direction

Find keystone correction dial, and turn it left or right to find the best position to achieve such an effect as shown in the figure to the right after correction. If you fail to obtain this effect after turning completely to the left or the right, you should make attempts toward leveling the projector more.

The range of keystone Correction of the projector is  $\pm 15^\circ$ .

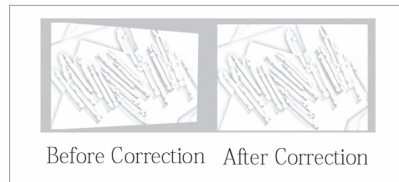


#### Horizontal Direction

In this case, keystone correction dial is in an invalid state.

The reasons are as follows:

- 1.The projector is not placed in a horizontal position; you should place it in a more horizontal position.
- 2.The projector is not aimed directly at the screen; you should attempt to make the projector aim perpendicularly to the screen.



### TROUBLESHOOTING:

Please refer to the table below for solutions to the most common problems:

| Trouble                      | Please Check   |
|------------------------------|--|
| Fails to power on            | Ensure the projector's power cable is inserted properly both at the projector and the wall.<br>Ensure the remote control battery is inserted properly.           |
| No images/sound              | Ensure the input terminals are inserted properly.<br>Check whether the signal source works well.   |
| Sound available but no image | Ensure the input terminals are inserted properly.<br>Check whether the brightness and contrast have been adjusted to the minimum value.                          |
| Image available but no sound | Ensure the input terminals are inserted properly.<br>Check whether the sound volume has been adjusted to an acceptable value.                                    |
| Ambiguous image              | Check the adjustment of the focus.<br>Check whether the projection distance has exceeded the allowed focus range.<br>Check whether the signal source works well. |
| Weak color                   | Check whether the adjustment of hue and color temperature is abnormal.   |
| Frozen system                | Remove the power cable from the projector, then power the projector again after one minute.  |

### SPECIFICATIONS:

|                             |              |                                 |   |
|-----------------------------|--------------|---------------------------------|---|
| <b>Imaging Unit:</b>        | LCD          | <b>Resolution Ratio:</b>        | 640X480                                     |
| <b>Contrast:</b>            | 600:1        | <b>Resolution supported:</b>    | 800X600 1024X768                            |
| <b>Lamp:</b>                | LED          | <b>Nominal brightness:</b>      | 900 Lumens                                  |
| <b>Projection distance:</b> | 1 - 3 meters | <b>Projection picture size:</b> | 30 - 100 inches                             |
| <b>Power Consumption:</b>   | 60W          | <b>Projecting Lens:</b>         | F=125                                       |
| <b>Input Voltage:</b>       | 12V          | <b>Output terminal:</b>         | 12V Power Out (for external speakers, etc.) |
| <b>Color:</b>               | 16770K       | <b>Installation model:</b>      | Desk or Ceiling                             |
| <b>Keystone correction:</b> | ±15°         | <b>Menu Language:</b>           | Chinese, English                            |
| <b>Internal Speaker:</b>    | 1.0w x 1     | <b>Operation Mode:</b>          | Manual and remote control                   |
| <b>Weight (kg):</b>         | 1Kg          | <b>Specification</b>            | 200 mm x150mm x65mm                         |
| <b>Working temperature</b>  | -10° +40°    | <b>Input terminal:</b>          | AV (Composite), YUV (Component), HDMI, VGA  |

## Sima XL-PRO Projector 12 Month Limited Warranty

### **XL-PRO LCD Projector (excluding LED light source) - 12 month (365 day) Limited Warranty**

Sima Products Corp. ("Sima") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship (excluding the LED Light Source) within 365 days from the original retail purchase, Sima will, at Sima's option, either repair or replace the product without charge (but no cash refund will be made).

**IMPORTANT: TO QUALIFY FOR 12 MONTH WARRANTY COVERAGE YOU MUST REGISTER YOUR XL-PRO KIT WITH SIMA PRODUCTS WITHIN 10 DAYS OF PURCHASE. ALL WARRANTY CLAIMS WILL REQUIRE WRITTEN PROOF OF TIMELY WARRANTY REGISTRATION. YOU CAN REGISTER FOR WARRANTY COVERAGE IN THE FOLLOWING WAYS:**

1. Mail the warranty card from the product, postmarked within **10 days** of purchase to: Sima Products, 120 Pennsylvania Avenue, Oakmont, PA 15139
2. Register your warranty on line at [www.simaproducts.com](http://www.simaproducts.com)
3. Register your warranty by telephone with Sima Customer service by calling 800-345-7462 x1270

### **What you must do to enforce Warranty:**

Call Sima at the number listed above to obtain a return authorization number.

After receiving the return authorization number, you must deliver, mail or ship the product, together with both the original bill of sale, the return authorization number and a description of the problem along with this Warranty statement as proof of warranty coverage to:

Sima Products Corp.  
Attn: Customer Service  
120 Pennsylvania Ave.  
Oakmont, PA 15139

Phone # 412-828-3700  
Fax # 412-828-3775

### **Limitation of Liability and Remedies**

This warranty does not cover damage resulting from accident, misuse or abuse, neglect, improper service and/or maintenance. Use of unauthorized service, replacement parts or attachments will void this warranty. Misuse includes any use of this product for other than its intended uses as described in the product manual. Sima shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if Sima has been advised of the possibility of such damages. Sima's liability for damages in no event shall exceed the amount paid for this product. Sima neither assumes nor authorizes anyone to assume for it any other liabilities. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**NOTES:**