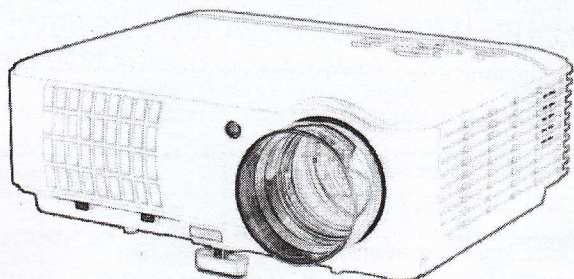


**EUG<sup>®</sup>**

***HD LED PROJECTOR***



**MODEL NO.: EUG X88**

**User's Manual**

Before operating this unit,  
please read these instructions completely and save them for future use.

# Contents

|  |    |
|--|----|
| Warning .....                              | 1  |
| Safety Precautions .....                   | 2  |
| Caution .....                              | 3  |
| Installation .....                         | 4  |
| Full setting .....                         | 4  |
| standard setting ( front projection) ..... | 5  |
| Installation method .....                  | 6  |
| machine instruction .....                  | 7  |
| input terminals .....                      | 8  |
| Remote control instruction .....           | 9  |
| Panel keystroke instruction .....          | 10 |
| How to turn on/ off the projector .....    | 11 |
| Image trapezoid adjustment .....           | 12 |
| Focus adjustment .....                     | 12 |
| Trapezoid adjustment .....                 | 12 |
| Menu setting .....                         | 13 |
| Trouble shooting .....                     | 17 |
| Accessories .....                          | 19 |
| Warranty Card .....                        | 20 |
| Specification .....                        | 21 |



# Warning

## Warning

Please write down the model number and serial number of this product in the box on the right.

MODEL NUMBER:

SERIES NUMBER:

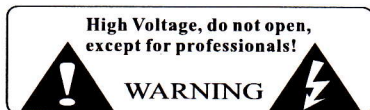
Before using this projector, please read the manual first.

Warning:



Do not look at the light from the lens directly.  
It may damage your eyes, especially for children.

Warning : Do not place the projector on a wet surface to avoid electric shock.



It indicates there is an instruction for important operation



It indicates there is a dangerous voltage

Warning

When turn off the projector, the fans will continue working for approximately 90 seconds. Please make sure the fans are completely stopped working before unplug the power cable. Otherwise, it will damage the projector lamp.

About the remote control batteries :

The remote control batteries should be installed correctly, or it will be damaged. Make sure the remote control is out of children's reach.

# Safety precautions

## Warning:

Before using this projector, please read the manual carefully. Any wrong operation may cause electric shock or fire. Please comply with the following instructions when using and/or repairing the projector.

### 1. Clean

When clean this projector, please unplug the power cable and use the wet cloth not the cleanser.

### 2. Accessories

Please use the recommended accessories or the projector maybe damaged.

### 3. Using environment

Do not place the projector on any wet environments.

### 4. Installation

Please place this projector on a stable surface.

### 5. Ventilation

For best performance, please clean the filter once a month.

### 6. Power

Before plug in the power, please make sure the voltage of your area matches this projector (220V or 110V).

### 7. Ground wire

The three pin plug is the ground wire of this projector.

### 8. Protect the power cable

Make sure the power cable is in perfect working condition before using it.

### 9. Thunder

When there is thunder or not using the projector for a long period of time , unplug the power cable.

### 10. Repair

Due to high voltage, do not open or try to repair the projector by yourself. Refer to a professional technician if repair is needed.

### 11. Heat

Make sure not to put this projector near any heating devices . That may shorten the life span of the projector.



# Caution

## About the installation

- In order to improve this projector's life span, do not place it on a wet surface.
- Do not put the projector under the direct sun light.
- Projector working temperature:  
32°F~158°F  
Projector store temperature:  
-20°F~158°F
- Do not block the ventilation-window of the projector. If the projector interior temperature is too hot, it will be automatically shut down. This will protect the projector. To prevent over heating the projector, please clean the filter once a month.

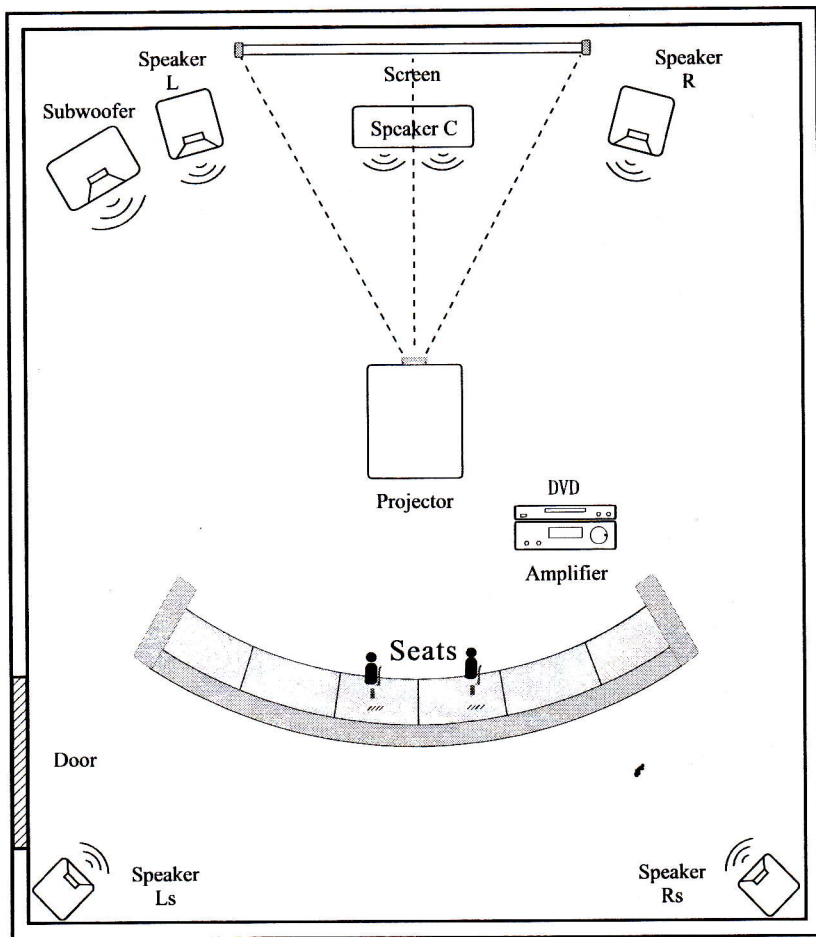
## About turn on/off the projector

- To turn on the projector, connect the power cable, then press the "power" key on the panel. It will take couple of minutes before the lamp works normally.
- To turn off the projector, press the "power" key again. The lamp will shut off while the fan will still working for a little longer. The projector will shut off automatically when the fan stops. DO NOT unplug the power cable before turn off the projector.

## Warning:

The fan is to keep the projector's temperature low. It will turn on when projector is turned on. The speed of the fan is according to the heat of the projector. Do not unplug the power cable when the projector is not turned off and the fan is still working. If the fan stops working, the projector may be damaged due to over heat.

# Installation



For best quality of the image, avoid the direct sunlight.  
Draw the curtains up if using during the daytime.



# Projector Installation

## Standard setting (Front projection)

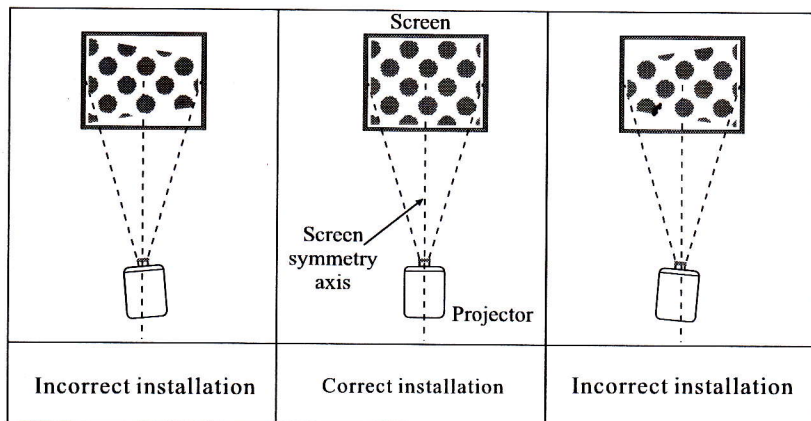
Please refer to the following table to adjust your picture size and distance (from the lens to screen)

| Distance | 4:3   | 16:9  |
|----------|-------|-------|
| 50"      | 1.90m | 1.63m |
| 70"      | 2.65m | 2.25m |
| 100"     | 3.55m | 3.10m |
| 120"     | 4.40m | 3.80m |

Please allow  $\pm 3\%$  to the image sizes of the above table.  
If the distance is less than 2 meters and more than 5 meters, the image could be blurry.

## Warning

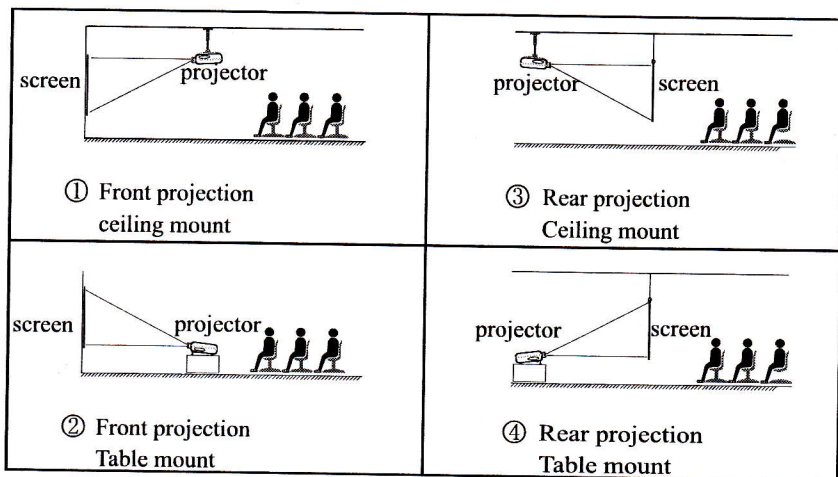
Please check the following picture to show the trapezoid adjustment



# Projector installation

## Installation method:

Contact a professional installer to mount this projector to a ceiling.  
Follow the instructions below for the correct projector positions:

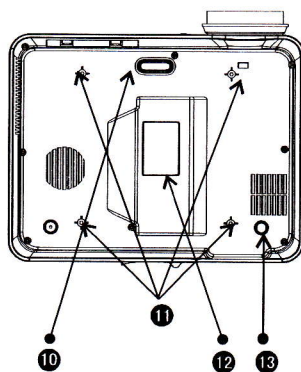
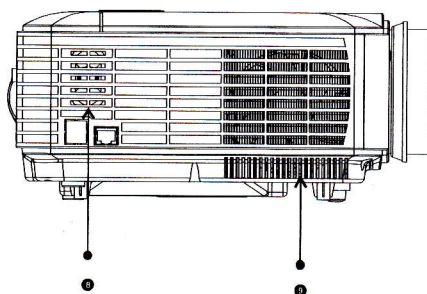
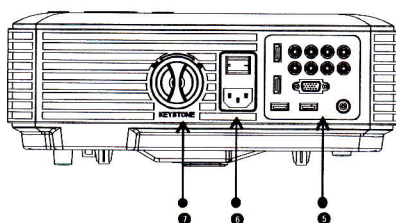
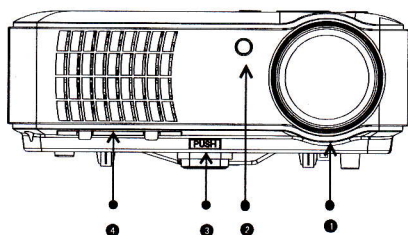


## Warning

1. This projector maybe damaged beyond repair if it is incorrectly mounted on a ceiling or on a surface.
2. This projector can be only used in an environment with the temperature that's not exceeding the range of 32-95°F. If the temperature is outside the normal range, it may cause the projector malfunction.
3. It may cause malfunction if the projector is placed in a dusty, wet, moist or smoke environment.
4. Take care of the ventilation. Otherwise, the projector maybe damaged or cause life threatening situation due to over heating



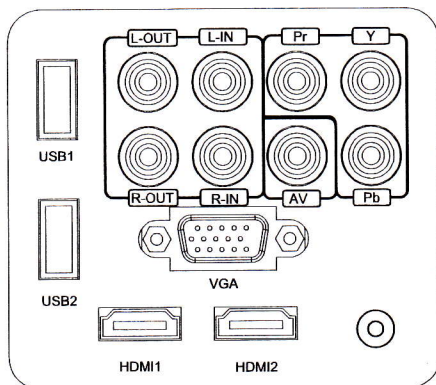
# Machine Instruction



1. Focus lens
2. IR receiver
3. Level-stand adjustment
4. Cool winds input ventilation
5. Input terminals
6. Power switch
7. Keystone
8. Hot winds output ventilation
9. Speaker
10. Level-stand adjustment
11. Projector mount hole
12. Label
13. Cool winds input ventilation

# Input terminals

## Interface



| Name                 | Instruction             |
|----------------------|-------------------------|
| <b>Y/Pb/Pr</b>       | Component video input   |
| <b>Video</b>         | AV input                |
| <b>L-Out , R-Out</b> | Audio output            |
| <b>L-In , R-In</b>   | Audio input             |
| <b>VGA IN</b>        | VGA input               |
| <b>TV</b>            | Optional                |
| <b>HDMI 1/2</b>      | HDMI Signal input       |
| <b>USB 1/2</b>       | Connect USB flash drive |

### USB support format

- 1.support video :MPG、MPG-1、MPG-2、MPG-4、AVI、MP4、DIV、TS、TRP、MKV、MOV、WMV、RM、RMVB
- 2.support picture:JPEG BMP
- 3.support audio:MPG、MPG-1、MPG-2、MPG-4、AVI、MP4、DIV、TS、TRP、MKV、MOV、WMV、RM、RMV

### Caution

Please connect the input signal cable well , then turn on the projector .  
Otherwise , it is easy to damage the projector.



# Remote control instruction

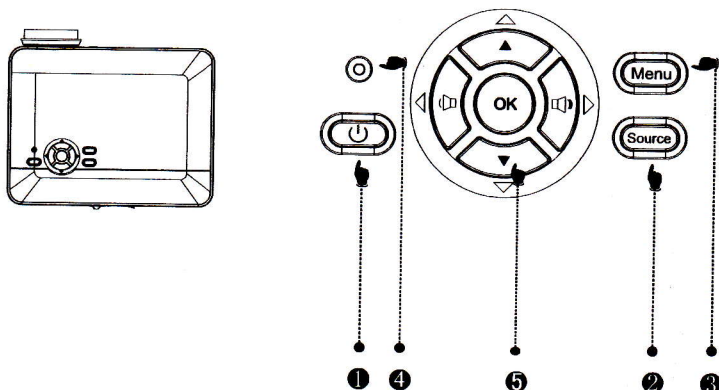
## REMOTE CONTROL



|       |   |           |                             |
|-------|---|-----------|-----------------------------|
|       | Turn on/off   |           | Up                          |
|       | MUTE  |           | Down                        |
| info  | display information   |           | Left                        |
| Pic.  | picture mode  |           | Right                       |
| Audio | audio mode  |           | Prev                        |
| zoom  | image change larger or smaller                                |           | Next track                  |
| Rep.  | repeat function (when using USB multimedia play)              |           | Fast backward               |
| AB    | AB cycle (when using USB multimedia play)                     |           | Fast forward                |
| Aud.T | Audio tracks (when using USB multimedia play)                 |           | Play/Pause                  |
| Subt. | subtitle (when using USB multimedia play)                     |           | Pause                       |
| Goto  | go to a certain time to play (when using USB multimedia play) | OK        | Confirm                     |
| USB   | enter the USB mode directly                                   | Vol+/-    | volume to add and subtract  |
| S     | source  | CH+/-     | channel to add and subtract |
| R     | 16:9/4:3 Aspect ratio   | Flip      | image 360 degree flip       |
| M     | Menu  | FRZ       | image freeze                |
| Exit  | exit  | 1,2,3...9 | chose TV channel            |

# Panel keystoke instruction

## Panel keystoke sketch map



### ① Power key

It turns on or off the projector. The function is the same as the "power" on the remote control.

### ② Sources

It chooses the input signal (such as: AV , YPBPR , HDMI 1/2, USB1/2 or PC)

### ③ Menu

It adjusts the menu by Up/Down, Left/Right.

### ④ Indicator light

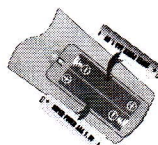
red color:standby  
green color:working

### ⑤ Direction operation Key

# Turn on/off the projector

## Turn on the projector

1. Before using the remote control, please fix two batteries in it.



2. Turn on the power switch on the backboard, the power light begin to flash.



3. Press the power key on the remote control or panel, the indicator light will change to blue color.



4. After a few seconds, the lamp begins to work.



5. If using the first time, the image may appear as blurry or trapezoid distortion, please refer to "image adjustment" chapter.



6. You may also re-setup the system parameter at anytime. Please refer to "menu setting" chapter.



## Turn off the projector

1. While using the projector, by pressing "power" key, the projector will turn to standby mode.



2. When the projector is under the standby mode, its auto protecting system will be on. To start up, press the "power" key again.

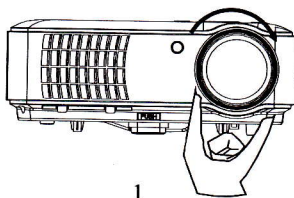


# Image adjustment

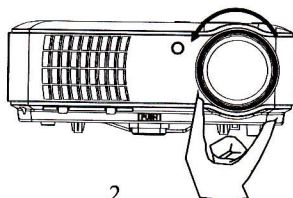
When operating the projector for the first time, the image may appear unclear or trapezoid. It is caused by focus of the lens and/or trapezoid uncorrected. Please follow the following steps for correction:

## Focus adjustment

1. Turn the lens clockwise to the projector, then turn it counter clockwise slowly. At the same time, check the resolution point carefully. When image is clear (as the middle area of the image), it will be the best position of the lens.



1

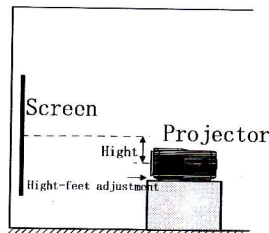
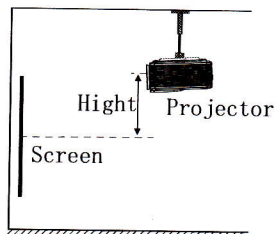
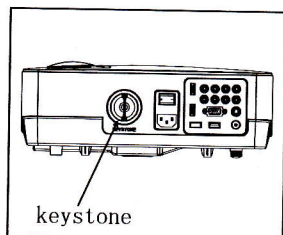


2

**NOTE:** When you replace the projector from a cold to a warm environment water vapour might occur. Don't turn the projector on when this occurs but wait until the vapour has disappeared.

## KEYSTONE

If a projected picture has keystone distortion, correct image with keystone adjustment. The image becomes trapezoid shape when the screen or projector is not leveled. Please reposition the projector to improve its angle to the screen. However, the circumference of the image may not be focused.



If not able to use the keystone correction function to correct the trapezoid distortion, please lower the projector to center the screen vertically.

# Menu setting

## 1. Menu settings method

1) During operating the projector, press “menu” key, the projector shows the windows as picture(1).

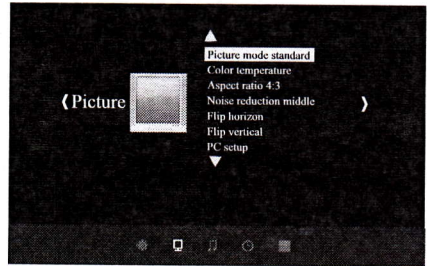
2) Press “◀/▶” key, enter the submenu picture > sound > time > option in turn

3) after confirm the submenu, use “▲/▼” to select your inquired submenu. as picture (2).

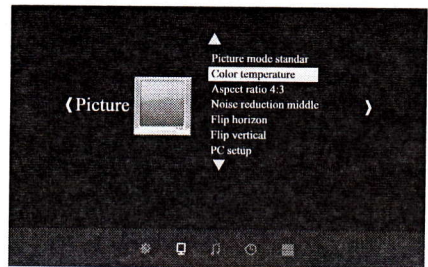
4) use “OK” and “◀/▶” to adjust the parameters.

5) after finishing all settings, press “menu” again, exit the settings.

6) repeat steps 2) ~ 5), set up all parameters.



Picture1



Picture2

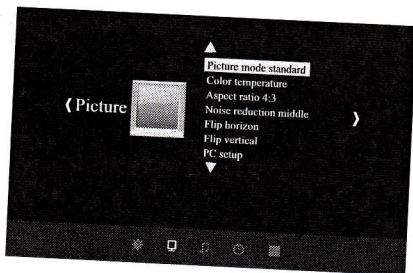
# Menu setting

## 2. Parameters of menu setting

- A) press “menu” key , when it shows as picture (3)
- B) press ▲/▼ key, as picture (2).the selection will as yellow highlight..
- C) press “OK” key, use ◀/▶ key,to adjust parameters.
- D)press “menu” key again, exit the window.

| Picture mode user |    |
|-------------------|----|
| Contrast          | 0  |
| Brightness        | 50 |
| Color             | 50 |
| Sharpness         | 50 |
| Tune              | 50 |
| MENU              |    |

## 3. Picture menu



| Picture menu      |                            |
|-------------------|----------------------------|
| Picture mode      | Standard/soft/user/Dynamic |
| Color temperature | Standard/warm/cool         |
| Aspect ratio      | 4:3 or 16:9 /zoom1/zoom2   |
| Noise reduction   | Off/low/middle/high        |
| Flip horizon      | On/off                     |
| Flip vertical     | On/off                     |

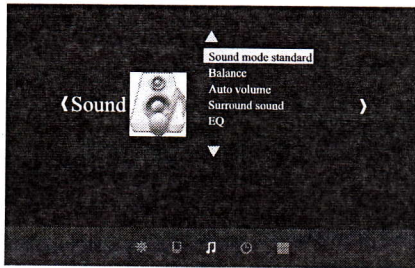
### ☆Remark

| User mode of picture |       |  |
|----------------------|-------|--|
| Contrast             | 0-100 | Adjust the dark and brightness area difference |
| Brightness           | 0-100 | Adjust the full picture brightness             |
| Color                | 0-100 | Adjust the picture color                       |
| Sharpness            | 0-100 | Adjust the picture sharpness                   |



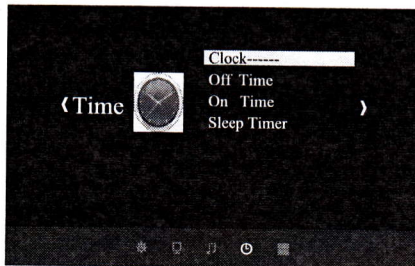
# Menu setting

## 4. Sound mode



| Sound mode     |                                 |
|----------------|---------------------------------|
| Sound mode     | Music/movie/sport/user/standard |
| Balance        | -50~50                          |
| Auto volume    | On/off                          |
| Surround sound | On/off                          |
| EQ             | (120/500/1.5K/5K/10K)Hz 50      |

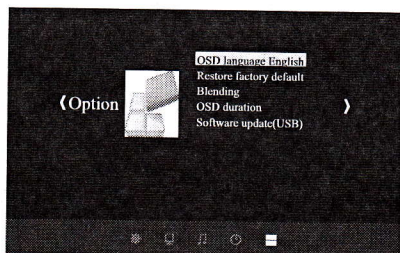
## 5. Time menu



| Time menu   |  |
|-------------|--|
| Clock----   | Date--/month--/year--/hour--/mins--    |
| Off time    | Off/one time/everyday/monday~friday    |
| On time     | Off/one time/everyday/monday~friday    |
| Sleep timer | Off/10mins/20mins/30mins/60mins/90mins |

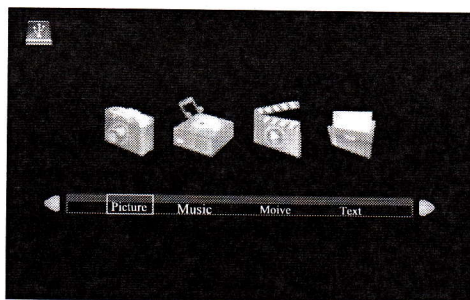
# Menu setting

## 6. Setting



| Menu setting            |                                  |
|-------------------------|----------------------------------|
| OSD language            | English/Germany/Chinese ...      |
| Restore factory default | Yes or No                        |
| Blending                | Off/lower/middle/high            |
| OSD duration            | OFF/5seconds/10seconds/15seconds |
| Software update(USB)    | Software update                  |

## 7. Multimedia menu



| Multimedia Menu |                            |
|-----------------|----------------------------|
| Picture         | View the photos in gallery |
| Music           | Play an album              |
| Movie           | Watch a movie              |
| TXT             | Read the book              |

### CAUTIONS:

- 1) The USB interface support USB1.1  
USB2.0, including hard drive and fresh drives
- 2) The max storage supported is 400GB
- 3) The system format supported: FAT16、FAT32、NTFS
- 4) The USB interface can support most drives but is not universal, any unknown device problem is caused by the device drive
- 5) The total voltage of the connected devices shall not be over 1200mAh, the problems caused by the wrong operation will not be warranted

## Multimedia Format

| Task    | Format    | Video Decode                      | Audio Decode |
|---------|-----------|-----------------------------------|--------------|
| MOVIE   | .avi      | DivX,Xvid,MPEG-4                  | MP3,WMA,AAC  |
|         | .mpg      | MPEG-1,MPEG-2                     |              |
|         | .dat      | MPEG-1                            |              |
|         | .rm/rmvp  | RealMedia,video                   |              |
|         | .mov/mkv  | H.264                             |              |
| MUSIC   | .mp3      | ---                               | Mp3          |
|         | .wma      | ---                               | WMA          |
|         | .m4a/.aac | ---                               | AAC          |
| PICTURE | .jpg/jpeg | Progressive JPEG<br>Baseline JPEG | ---          |
|         | .bmp      | BMP                               | ---          |
|         | .png      | Non-interlaced<br>Interlaced      | ---          |

# Trouble Shooting

## Trouble Shooting

| Problem   | The possible causes  |
|---|--|
| 1. When turn on the power switch, the indicator light does not work | <ul style="list-style-type: none"><li>⊙ power cable did not connect well .</li><li>⊙ the power switch fuse is broken .</li></ul>   |
| 2. The remote control can not turn on the projector                 | <ul style="list-style-type: none"><li>⊙ the power switch is turned off</li><li>⊙ the remote control has no batteries or the batteries are low</li><li>⊙ the remote control did not aim at the IR point</li></ul> |



# Trouble shooting

| Problem                         | The possible causes  |
|---------------------------------|--|
| 3.No Image                      | <ul style="list-style-type: none"><li>⊙ the choice of the input source may not be correct</li><li>⊙ no input signal</li><li>⊙ the input cable is not connected</li><li>⊙ if under PC mode, the PC output frequency is not 50-60Hz. Make sure that the PC output is connected with the projector.</li></ul> |
| 4.Auto-off after use some times | <ul style="list-style-type: none"><li>⊙ the projector ventilation is blocked</li><li>⊙ the voltage is not stable</li><li>⊙ the projector is over heat . Check if the fan is broken.</li></ul>  |

# Accessories List

Please check the full contains of accessories in the box after opening.

## Accessories list

|                        |      |
|------------------------|------|
| Projector -----        | 1 pc |
| Remote control -----   | 1 pc |
| Power cable -----      | 1 pc |
| AV signal cable -----  | 1 pc |
| VGA signal cable ----- | 1 pc |
| Manual -----           | 1 pc |
| Spare fuse -----       | 1 pc |

## Purchasable accessories

1. Projection screen
2. Spare lamp
3. Ceiling mount

# Warranty card

Name/Company: \_\_\_\_\_ Telephone: \_\_\_\_\_

Address: \_\_\_\_\_ Fax No.: \_\_\_\_\_

Product Purchased: \_\_\_\_\_ Model No.: \_\_\_\_\_ Serial No.: \_\_\_\_\_

Dealer Name: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_ Invoice No.: \_\_\_\_\_

**This card is to be remained by customer**

Thank you very much for purchasing this product .

We offer 1 year warranty for projector and 6 months for its lamp from date of purchasing.

In the event of servicing , please return the faulty product with complete Warranty Card along with original invoice to the address indicated on the Warranty Card .



# Specification

|                   |                   |  |
|-------------------|-------------------|--|
| LCD Panel Model   |                   | 5.8" TFT                               |
| Input signal      | video             | component video(Ypbpr) ,VGA, HDMI, USB |
|                   | audio             | stereo                                 |
| Output signal     | audio             | 5W×2 speaker                           |
| LCD               | native resolution | 1280*800 Support 1080P                 |
|                   | contrast ratio    | 7500:1                                 |
| Lens              | aperture          | 3.8                                    |
|                   | focus             | 185mm                                  |
| Lamp              | led               | 190W                                   |
|                   | life              | 50000 hours                            |
| Image             | size              | 50-200 inch                            |
|                   | brightness        | 4500 Lumens                            |
|                   | keystone          | ± 15 degree                            |
| Power             | voltage           | AC110-240V/50-60Hz                     |
|                   | power consumption | 200W                                   |
| Working condition | temperature       | 32°F~158°F                             |
|                   | humidity          | 10%~65%                                |
| Store condition   | temperature       | -4°F~158°F                             |
|                   | humidity          | 10%~90%                                |
| Remote control    | frequency         | 38KHz                                  |
| Machine           | size              | 336x263x118mm                          |
|                   | weight            | 3.5kgs                                 |

(Note: no notification will be made in advance if any of the above specifications were changed or updated.)

**EUG official authentic**

**Manufacture : Guangzhou Caiwei Electronic and Technology Development Co., LTD**

**Tel : +86 ( 0 ) 2029819716**

**Fax : +86 ( 0 ) 2062832266**

**E-mail:gzcaiwei@hotmail.com**