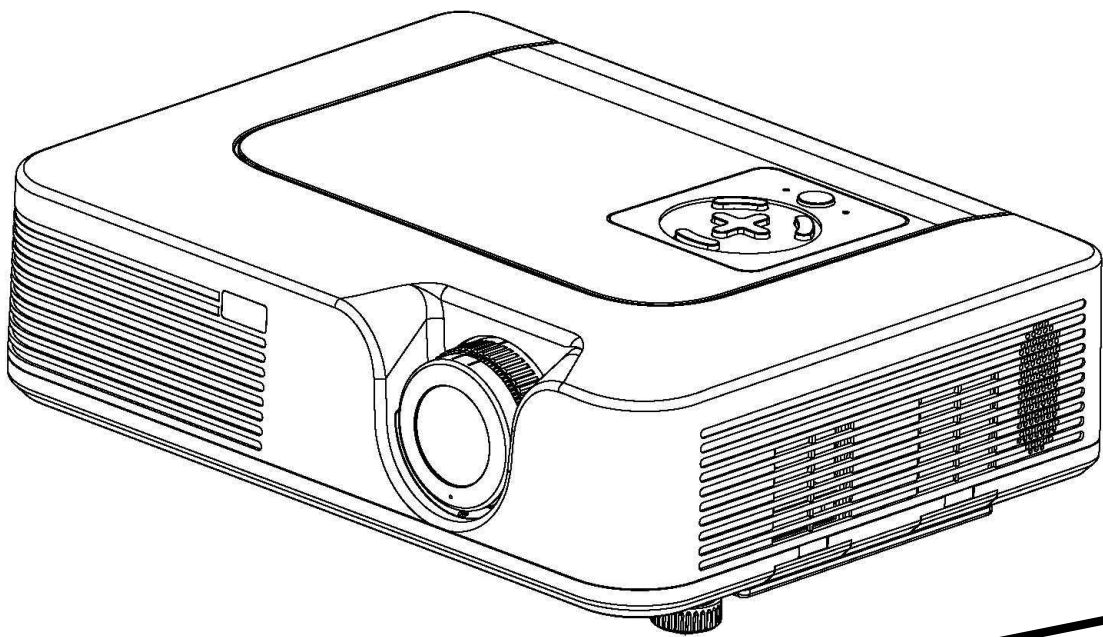


NSK - 1080P

User Manual



 **3LCD**



Javes Projector

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Operation Caution

- ⊗ Warning Do not open the projector cover. There are no replacement parts in the unit. For servicing, contact qualified service personnel.
- ⊗ Warning Avoid using the system in hot, humid, dusty environments and continually transfer. The operation temperature should be in between 5°C to 35°C.
- ⊗ Warning For good images, please use in dark environments, avoid under direct sunlight.
- ⊗ Warning To avoid damage to eyes, do not look into the lens when the lamp is on.
- ⊗ Warning Please don't unplug the power cord before cooling fan stop.
- ⊗ Warning Don't turn on & off projector continually, on & off interval is required min 10mins.
- ⊗ Warning When projector is on, don't block the ventilation intake for prevent the projector become too hot .
- ⊗ Warning Lamp change should be done by authorized technician.

Safety Information

In order to keep well of the projector, following are required to be noted:

The right way:

- 1、 Be sure to turn off and unplug the projector before cleaning.
- 2、 Please unplug the projector, if the projector is not being used.

The wrong way:

- 1、 Block the Ventilation intake
- 2、 Use corrosive agents or abrasive cleaners for projector cleaning.

Don't place the product in the following place:

- 1、 Too hot, too cool or humid environment.
- 2、 Dusty room.
- 3、 Strong electromagnetism field area.
- 4、 Under direct sunlight

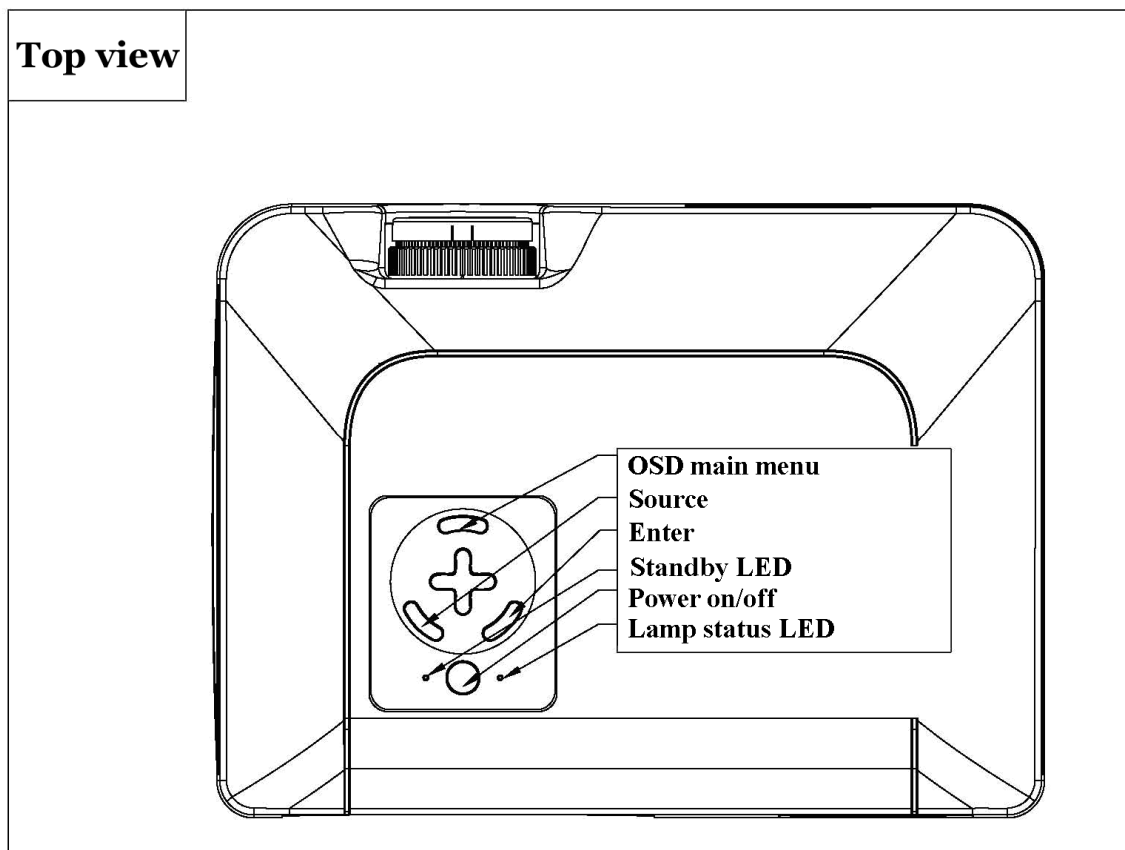
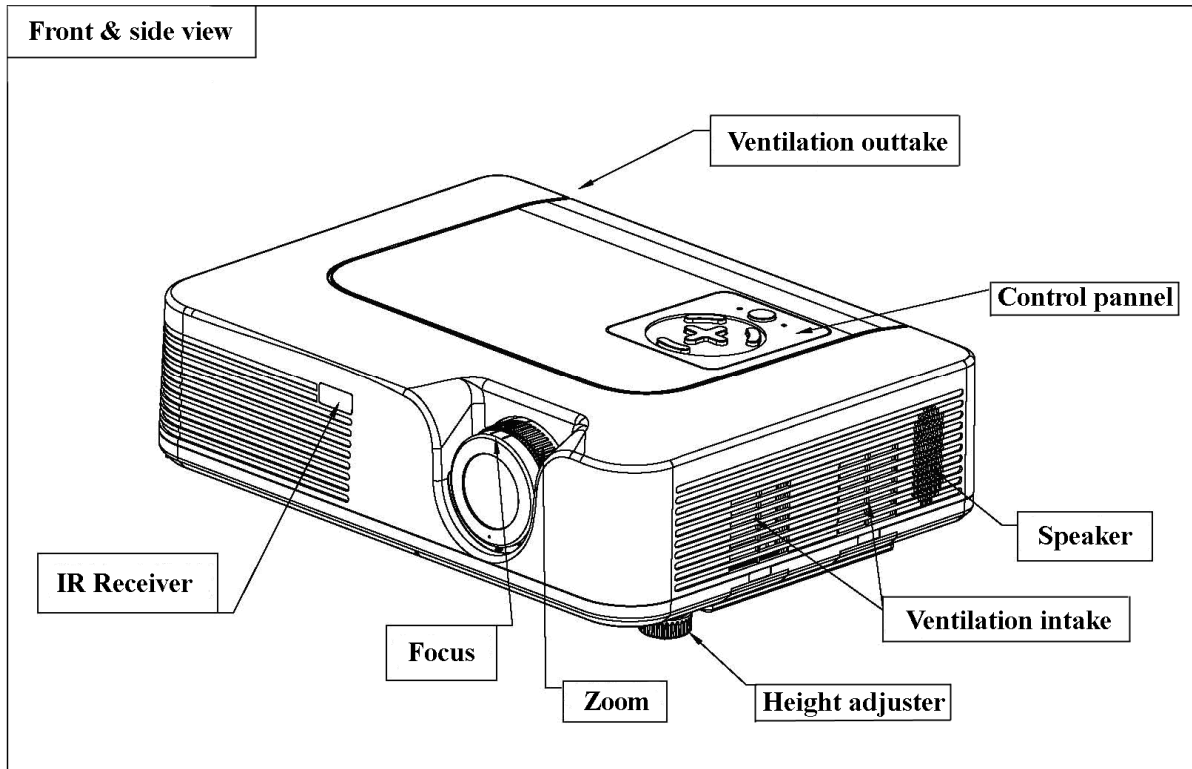
Product Introduction

I. Features

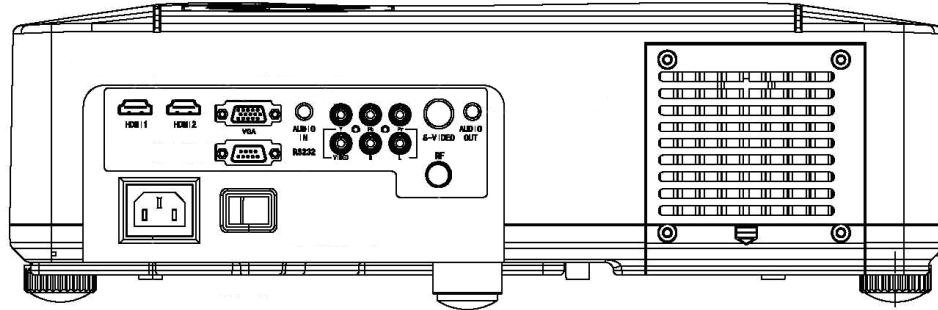
This is a front projection projector, for used at home entertainment, it generates saturated reproduction, high brightness, long life, low noise, short show lens, and low power consumption, value added outstanding features. It's good output device for PC, HD player and game. Comprehensive I/O and multi language.

- Aspect Ratio: 16:9 (native) support 4:3 format.
- Projection method: Front, Front rear, Ceiling and Ceiling Rear.

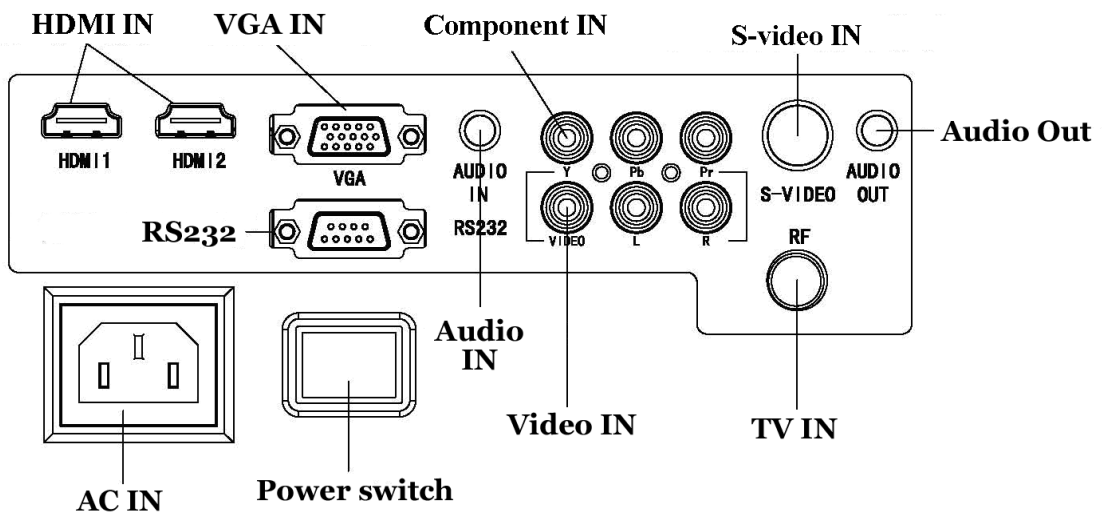
II. Product overview



Rear view



I/O Port:

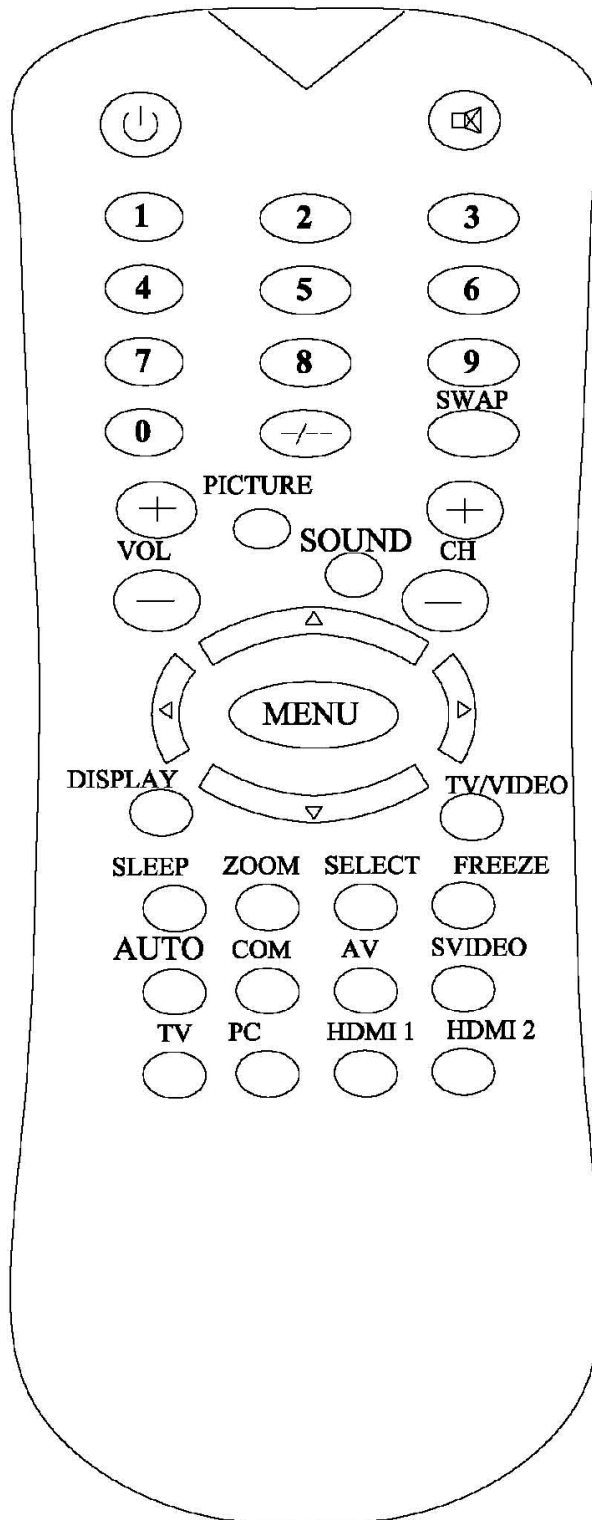


IR Remote Control Overview

I. Remote Control Parts

1. POWER: System power on/off.
2. MUTE: System mutes.
3. 0-9: Change the channel in the TV mode.
4. VOL+, VOL-: Increase or decrease volume.
5. PICTURE: Image mode. Image quality control by: “standard”, “brightness”, “softness” and “user-defined”.
6. SOUND: Audio mode. Sound effects environment standard, music and cinema.
7. CH+, CH-: In TV mode, change the channel next or back.
8. OSD menu operation(up、down、left、right):
 - Up/Down: Cursor up/down moving.
 - Left/Right: Switch left or right the menu; the numerical index decrease or increase; right key enter.
9. MENU: Shown or exit OSD menu.
10. DISPLAY: Display the signal source name and mode on the screen of side above.
11. TV/VIDEO: Shown or exit signal source menu.
12. SLEEP: Setup sleeping mode from 0 to 120mins.
13. SELECT: Signal source selection button.
14. FREEZE: Image freeze.
15. AUTO: Auto adjustment for computer image optimization.
16. COM: YPbPr shortcut key.
17. AV: AV shortcut key.
18. TV: TV shortcut key.
19. PC: VGA shortcut key.
20. HDMI 1: HDMI #1 shortcut key
21. HDMI 2: HDMI #2 shortcut key
22. SVIDEO: S-VIDEO shortcut key.

Remote Control

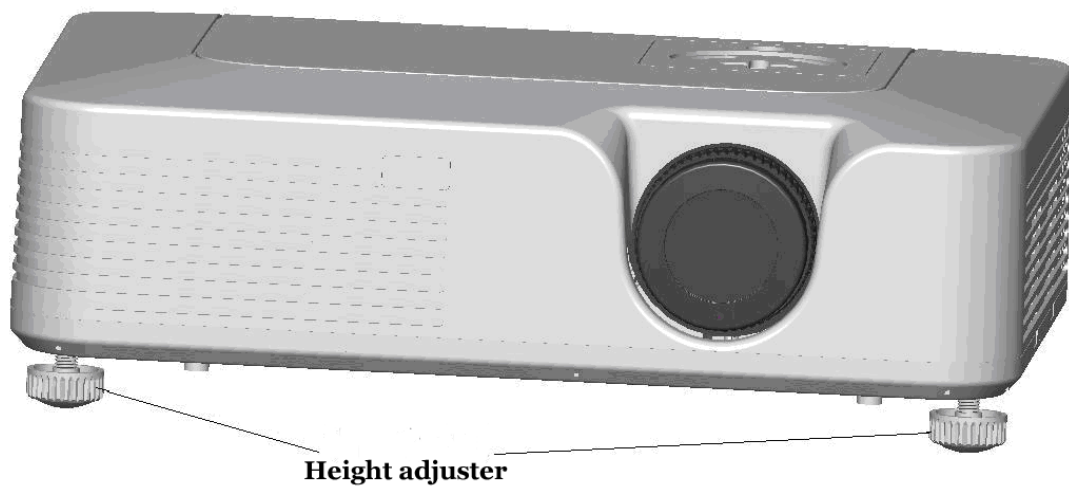


II. Battery Caution

- 1、 Insert the batteries correctly of the polarity (+/-) as shown in the remote control.
- 2、 Keep away from child, baby and pets.
- 3、 Use only AAA batteries (Alkaline batteries are recommended).
- 4、 Remove the battery out when the projector not being used for prolonged periods.
- 5、 Dispose of used batteries according to local ordinance regulations.

Adjusting the Projector Level

If the projection image & the screen are not in parallel, adjust the height adjuster.



Projector & Screen Setting

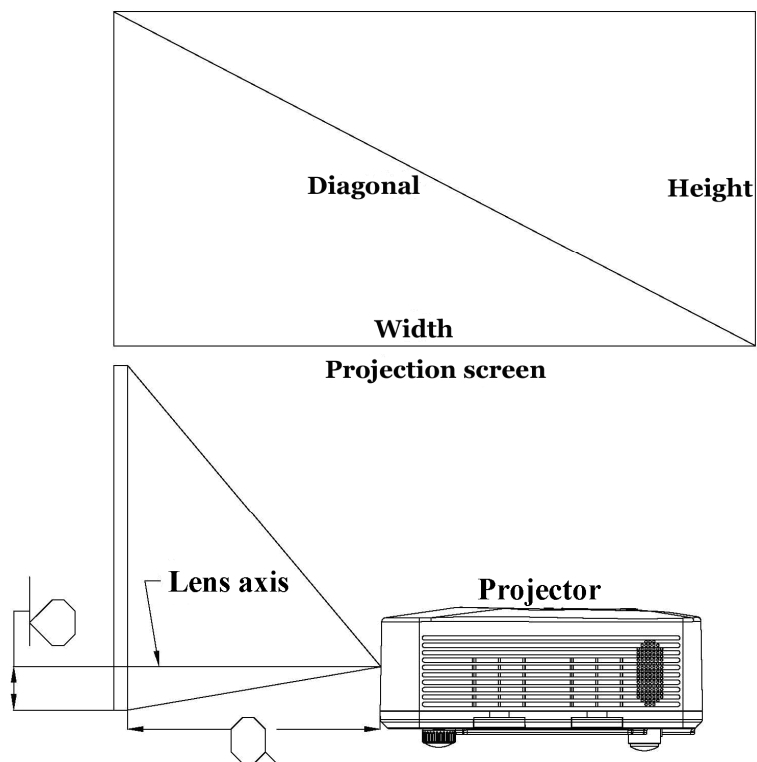


Image Size						Projection Distance				The distance of lens axis to the image bottom line	
Diagonal		Width		Height		Maximum		Minimum			
inch/mm	inch/mm	inch/mm	inch/mm	inch/mm	inch/mm	inch/mm	inch/mm	inch/mm	inch/mm		
30	762	26.1	664.1	14.7	373.5	36.9	936.4	30.7	780	0.7	18.7
40	1016	34.9	885.4	19.6	498.0	49.2	1248.5	40.9	1040	1.0	24.9
50	1270	43.6	1106.8	24.5	622.5	61.4	1560.6	51.2	1300	1.2	31.1
60	1524	52.3	1328.1	29.4	747.1	73.7	1872.7	61.4	1560	1.5	37.4
70	1778	61.0	1549.5	34.3	871.6	86.0	2184.9	71.7	1820	1.7	43.6
80	2032	69.7	1770.8	39.2	996.1	98.3	2497.0	81.9	2080	2.0	49.8
90	2286	78.4	1992.2	44.1	1120.6	110.6	2809.1	92.1	2340	2.2	56.0
100	2540	87.1	2213.5	49.0	1245.1	122.9	3121.2	102.4	2600	2.5	62.3
120	3048	104.6	2656.2	58.8	1494.1	147.5	3745.5	122.8	3120	2.9	74.7
150	3810	130.7	3320.3	73.5	1867.6	184.3	4681.9	153.5	3900	3.7	93.4
200	5080	174.3	4427.0	98.0	2490.2	245.8	6242.5	204.7	5200	4.9	124.5
250	6350	217.9	5533.8	122.5	3112.7	307.2	7803.1	255.9	6500	6.1	155.6
300	7620	261.4	6640.5	147.1	3735.3	368.7	9363.7	307.1	7800	7.4	186.8

- Note: 1、Zoom, adjust image size;
2、Focus, adjust image definition.

Basic Operation (Base on IR remote control)

Power on/off

- (1) Connect projector to power source, make sure the AC power is correct voltage and frequency & match with the projector requirement.
- (2) When the projector is switch on, the LED light on the control panel is on & enter into standby mode.

Press the POWER key on the remote control, the system go into operation, the red LED on the control panel is off & the green LED light is on, then, the start up page is shown, and the projector enter into working status.

- (3) When projection is finish, press the **POWER** key to switch off. Re- switch off by one more press of the **POWER** key. Then, the green LED will blinking, the projector will enter into standby mode after 90secs. The green LED will off & the red LED is on.
- (4) Turn off power switch.
- (5) Unplug the power cord.

Important notice:

Before switch off the main power switch, make sure the projector is in standby mode, as the cooling fan require 90secs for cooling down the projector after switch off. Then the LED change to red color, projector enters into standby mode, then switch off the main power switch.

Please follow the above procedure accordingly.

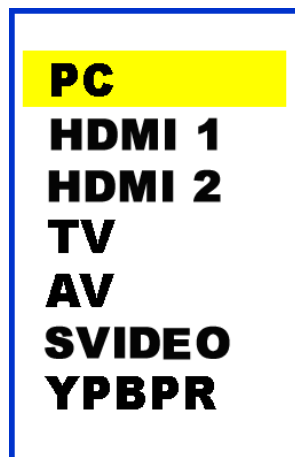
I Choice Input Signal

Shortcut key: TV/VIDEO:

Please make sure the signal source have been connected.

(1) On the normal play state, press TV/VIDEO key, the right menu will be show, press ▲ ▼ key, up and down choice, press SELCET key, enter into play state.

(2) No signal, a blue screen will be show, after several minutes, enter into standby state.



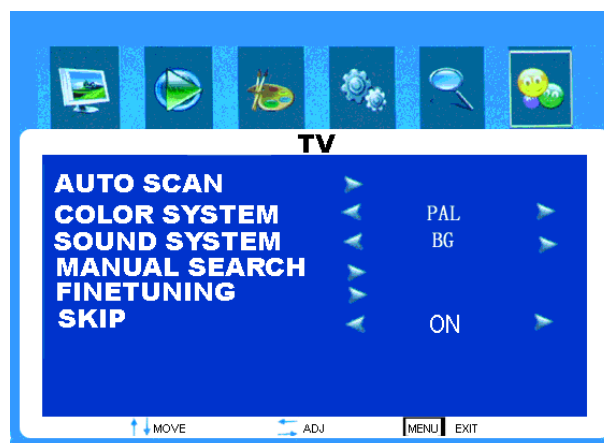
Important information:

In switching the input signal, the system will process a few seconds, now the setting background will be show, it's a normal phenomenon.

II TV Menu

2.1 Auto search

- 1、 Press **MENU** key, show menu.
- 2、 Press ◀ ▶ key, TV setting menu will be show.
- 3、 Press ▼ key, enter into TV setting menu.
- 4、 Choice auto search, press ▶ key, start auto search.
- 5、 Press **MENU** key stop searching.







2.2 manual search and manual inching

- 1、 Press **MENU** key, show menu.
- 2、 Press ◀ ▶ key, TV setting menu will be show.
- 3、 Press ▼ key, enter into TV setting menu.
- 4、 Choice manual search, press ▶ key start manual search; or choice manual inching, press ▶ key, start manual inching

2.3 TV System








In individual cases, if the TV color or sound is abnormality, please switch to a different color models or audio formats.

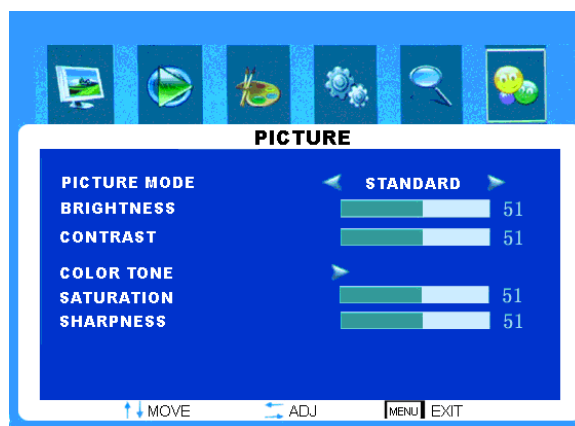
- 1、 Press **MENU** key, show menu.
- 2、 Press ◀ ▶ key, TV setting menu will be show.
- 3、 Press ▼ key, enter into TV setting menu.

- 4、 Press   key, switch color models or audio formats.
- 5、 Press   key, enter the color models or audio formats.








III Image menu

3.1 setting image model.







- 1、 Press **MENU** key, show menu.
- 2、 Press   key, image setting menu will be show.
- 3、 Press  key, enter into image setting menu.
- 4、 Press   key, switch image model menu.
- 5、 Press   key, choice standard, brightness, softness or user-defined.
- 6、 Press **MENU** exit.

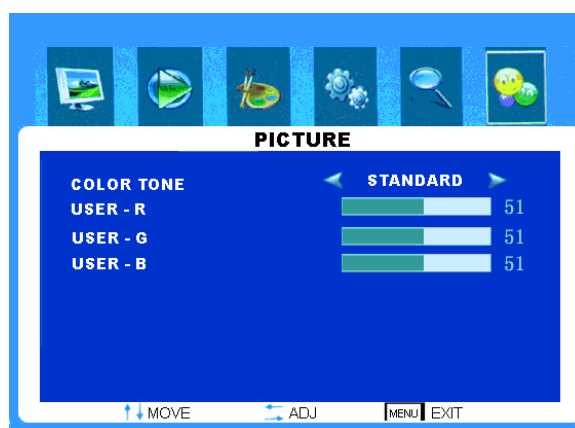


3.2 Setting brightness, contrast, saturation and definition.

- 1、 Press **MENU** key, show menu.
- 2、 Press   key, image setting menu will be show.
- 3、 Press  key, enter into image setting menu.
- 4、 Press   key to move up and down in the Image menu, choice brightness, contrast, saturation and definition.
- 5、 Press   key, adjust the brightness, contrast, saturation and definition.
- 6、 Press **MENU** exit

3.3 Setting color temperature

- 1、 Press **MENU** key, show menu.
- 2、 Press   key, image setting menu will be show.
- 3、 Press  key, enter into color temperature setting menu.
- 4、 Press  key, enter into color temperature setting menu.
- 5、 Press   key, five mode can be choiced: standard, cool, warm, primary and user-defined.
- 6、 Press **MENU** exit, press again, exit main menu.

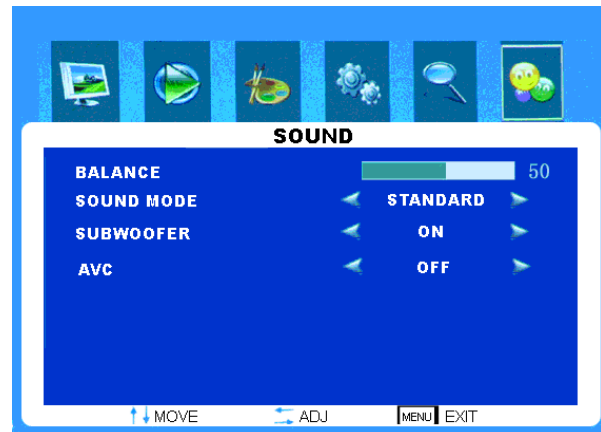


IV Voice menu

Balance, voice mode, alt, auto volume control show in this menu, all the adjusting will store in user mode.

4.1 Setting balance

- 1、 Press **MENU** key, display menu.
- 2、 Press ◀ ▶ key, choice voice menu, the right image will be show.
- 3、 Press ⏏ key, enter into balance setting.
- 4、 Press ◀ ▶ key, adjust the balance value.



4.2 Setting voice mode

- 1、 Press **MENU** key, display menu.
- 2、 Press ◀ ▶ key, choice voice menu, the right image will be show.
- 3、 Press ⏏ key, enter into voice mode setting.
- 4、 Press ◀ ▶ key, three mode will be show: standard, movie and music.
- 5、 Press **MENU** exit.

4.3 Setting subwoofer, auto volume control

- 1、 Press **MENU** key, display menu.
- 2、 Press ◀ ▶ key, choice voice menu, the right image will be show.
- 3、 Press ⏏ key, enter into subwoofer, auto volume control mode setting.
- 4、 Press ◀ ▶ key, control on-off of the subwoofer and auto volume control.
- 5、 Press **MENU** exit.








V Menu

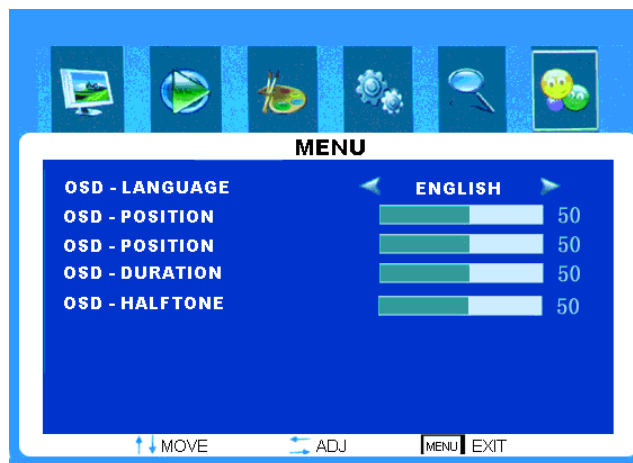
5.1 Setting OSD language

Include two languages:








Chinese and English.

The factory setting is Chinese.

- 1、 Press **MENU** key, display menu.
- 2、 Press   key, choice menu. The right image will be show.
- 3、 Press  key, enter into menu.
- 4、 Press   key, language submenu will be show, Press   key, switch Chinese and English.
- 5、 Press **MENU** exit.



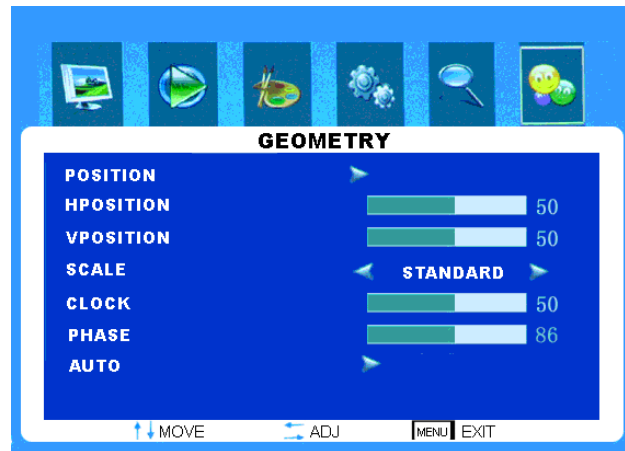
5.2 Setting OSD horizontal、 vertical、 show time and diaphaneity

- 1、 Press **MENU** key, display menu.
- 2、 Press   key, choice menu.
- 3、 Press  key, enter into setting.
- 4、 Press   key, display OSD horizontal、 vertical、 show time and diaphaneity, press   key, adjust the value
- 5、 Press **MENU** exit.

VI Geometry menu

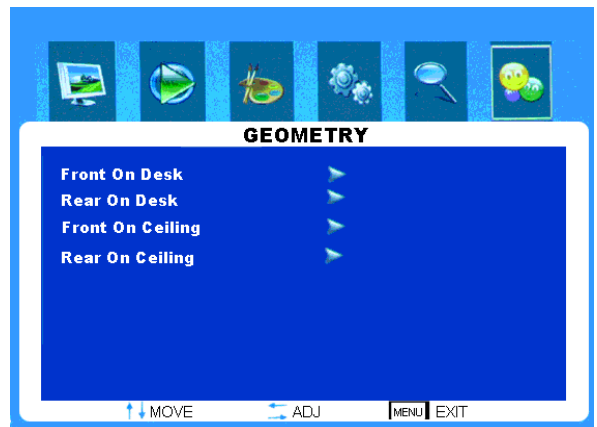
6.1 Setting horizontal, vertical, sampling frequency, phase.

- 1、 Press **MENU** key, display menu.
- 2、 Press **◀ ▶** key, choice geometry menu. The right image will be show.
- 3、 Press **▼** key, enter into geometry menu.
- 4、 Press **▲ ▼** key, setting horizontal, vertical, sampling frequency, phase.
- 5、 Press **◀ ▶** key, Setting horizontal, vertical, sampling frequency, phase.
- 6、 Press **MENU** exit.



6.2 Projection mode

- 1、 Press **MENU** key, display menu.
- 2、 Press **◀ ▶** key, choice geometry menu. The right image will be show.
- 3、 Press **▼** key, enter into geometry menu.
- 4、 Press **▼** key, choice the projection mode, press **▶** key enter into the right image.
- 5、 Press **▶** key, desk front, desk rear, ceiling front and ceiling rear can be choice.
- 6、 Press **MENU** exit the geometry menu, press **MENU** again, exit menu.










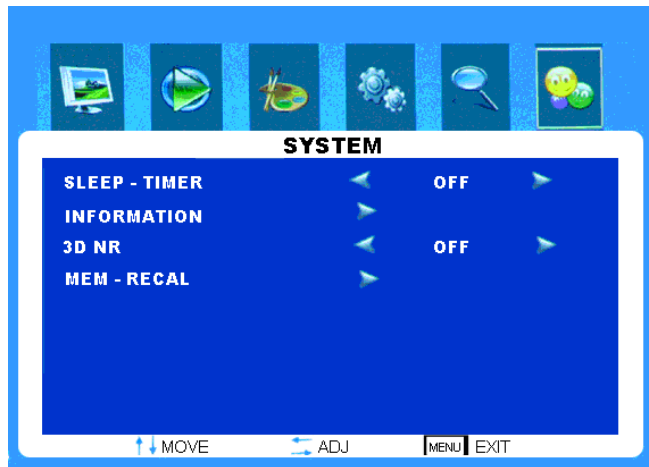
6.3 setting auto adjusting

When the input signal is VGA, the best display effect can be get from auto adjust the phase and sampling frequency.







VII System menu

7.1 Setting sleeping mode and 3d noise reduction

- 1、 Press MENU key, display menu.
- 2、 Press   key, choice system menu, the right image will be show.
- 3、 Press  key, enter system menu.
- 4、 Press   key, choice sleeping mode or 3d noise reduction.
- 5、 Press   key, switch on-off.
- 6、 Press **MENU** exit.

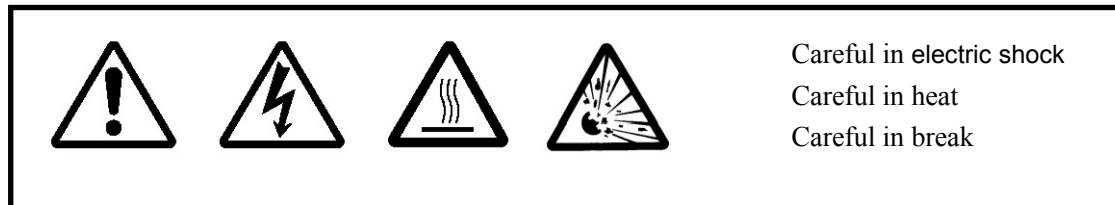


7.2 Information and system initialization

- 1、 Press MENU key, display menu.
- 2、 Press   key, choice system menu, the right image will be show.
- 3、 Press  key, enter system menu.
- 4、 Press   key, choice information or **system initialization**.
- 5、 Press  key, look over the system information or initialize system.
- 6、 Press **MENU** exit.

Maintenance and Security

I Lamp



The LCD projector lamp is made of mercury vapor within glass, the internal is high pressure. This high-pressure mercury lamp, experience the impact, scratches, or long-term use and aging, it may rupture and accompanied by loud voices, or can not continue to light up. At the same time, when the lamp burst, the fragments may be flying into the shade, the lamp contain mercury gas may also escape from the Ventilation filter.

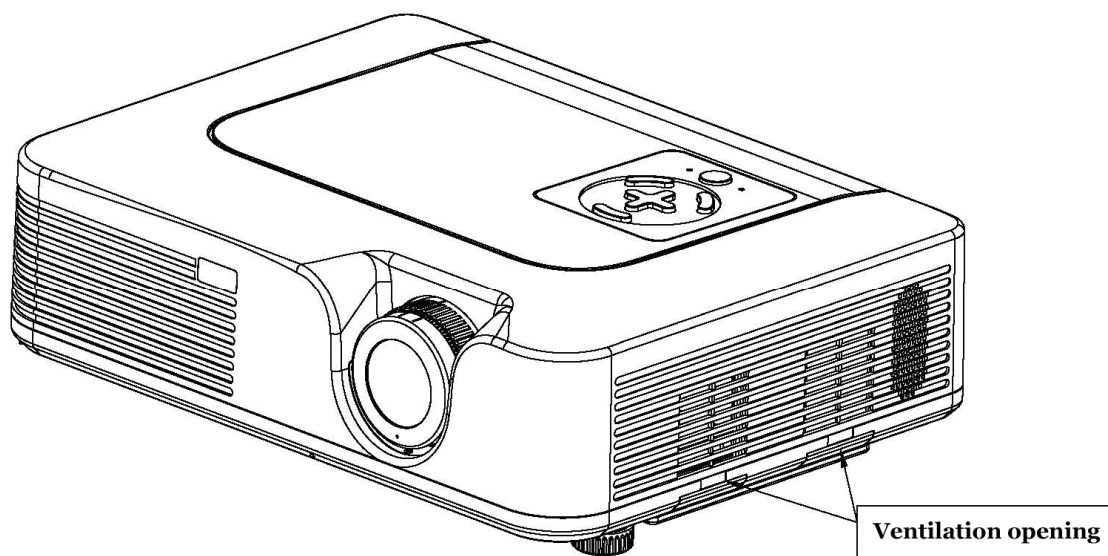
- ▲ In use, if the lamp is strike or scratched, it's likely to break, so please be used with care.
- ▲ When the lamp's life draws to a close, please replace the lamp as soon as possible. Ultra-term use, then increase the likelihood of rupture. Please don't re-use old lamp, otherwise it may lead to broken.
- ▲ The lamp ruptured after use in a short time, it may be accompanied by other electrical failure. Please contact qualified service personnel or company.
- ▲ If the lamp ruptured, please give full ventilation, and notice that don't inhale the exhaust gas from the projector or enter the eyes and mouth.
- ▲ If the lamp ruptured, please unplug the power plug, and contact qualified service personnel or company, prohibit the unauthorized users to clean or replacement the lamp.
- ▲ Dispose of used lamp according to local ordinance regulations.
- ▲ When remove the lamp cover, please do not use the projector.

II Ventilation filter

Maintenance

Please periodically clean the ventilation filter, the general interval is about 100 hours.

- 1、 Switch off the power switch, unplug the power cord.
- 2、 Clean the ventilation filter from the cover by dust catcher.



Rinse

When the ventilation filter is dirtier, affect the normal running:

- 1、 Switch off the power switch, unplug the power cord.
- 2、 Remove the ventilation filter, use water clean, after drying, re-installation.

Caution:

- ▲ Before maintaining, please switch off the power switch and unplug the power cord. Please carefully read the book "notice information", using the right method for maintenance.
- ▲ When removed the ventilation filter, please don't use the projector.
- ▲ When the ventilation filter blocked by dust, the internal temperature will rise, and may make work error and damage the optical components, please maintain and clean the ventilation filter accurately and in time.

III Lens

You can purchase optic lens cleaner from most camera stores. Refer to the following to clean the projector lens.

1. Apply a little optic lens cleaner to a clean soft cloth. (Do not apply the cleaner directly to the lens.)
2. Lightly wipe the lens in a circular motion.

Caution:

1. Do not use abrasive cleaners or solvents.
2. To prevent discoloration or fading, avoid getting cleaner on the projector case.

IV Projector and remote control

1. Wipe off dust with a clean dampened cloth.
2. Moisten the cloth with warm water and mild detergent (such as used to wash dishes), and then wipe the case.
3. Rinse all detergent from the cloth and wipe the projector again.

Caution:

To prevent discoloration or fading of the case, do not use abrasive alcohol-based cleaners.

Troubleshooting

If you are unable to solve the problem, you should have the projector serviced. Pack the projector in the original carton. Include a description of the problem and a checklist of the steps you took when trying to fix the problem: The information may be useful to service personnel. For servicing, return the projector to the place you purchased it.

Phenomenon	Check content
No voice or no image	<ol style="list-style-type: none">1、 Check the power cord.2、 Check the power switch.3、 Check the image brightness and contrast setting.4、 Check the volume.
Normal image but no voice	<ol style="list-style-type: none">1、 Check the volume.2、 Check the remote control key: MUTE.
No image or Black and white image	<ol style="list-style-type: none">1、 Adjust the color setting.2、 Check the color format.
Sound and picture interference	<ol style="list-style-type: none">1、 Try to keep away from other electrical equipment.2、 Try to change a power supply socket.
The image is blurred in TV function	Check the direction, location and connection of the TV antenna.
Remote Control Problems	<ol style="list-style-type: none">1、 Clean the remote control.2、 Check the battery polarity.3、 Replace the batteries.
The image is blurred	<ol style="list-style-type: none">1、 Adjust the focus.2、 Ensure the projector-to-screen distance.
Image darkle	<ol style="list-style-type: none">1、 Adjust the image, for example: brightness and contrast.2、 The lamp's life end, replacing.

Caution:

Don't presume to open the projector case and repair.