

# ***LED Digital Projector***



***MODEL NO.: HP-10004K***

**USER MANUAL**

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# Accessory List

When you open the carton of projector,  
please check the full accessories

## Accessory list :

Projector	-----	1 unit
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
clear paper	-----	1 pc

## Purchasable accessory:

- 1, projector screen
- 2, projector ceiling mount
- 3, spare lamps

# Warning

## warning:

Please remember the model Number  
and series number if you need.  
And please check all accessories  
when you drop the carton package.

MODEL NUMBER:

SERIES NUMBER:

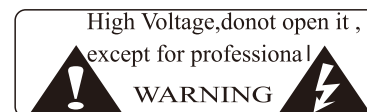
When you use this projector , please read this manual carefully

## Warning:



Donot see the light from the lens ,it is high bright lamp.  
It will damage your eye .specially for chirdren.。

**Warning:**Donot place the projector in the wet condition,  
avoid to getting an electric shock



It indicates there is a instruction  
for important operation



It indicates there is a dangerous  
voltage

## Warning:

when close the projector ,the fans will continue to turn 90seconds.  
Before pull out the power cable, please be sure the fans stop to turn .  
Or it will damage the projector lamp.

## About the remote control battery:

The remote control battery should be fixed correctly ,  
Or it will damage the remote control.  
Make sure the remote control out of chirdren reach.

Problem	The possibility reason
3, No image in the screen	<ul style="list-style-type: none"> <li>◎the input source choice is correct ?</li> <li>◎Is there a input signal ?</li> <li>◎the input cable connect well or not ?</li> <li>◎under PC mode, the PC output frequency is 50-60Hz ? You have output your PC signal to projector ?</li> </ul>
4.Auto-off after use some times	<ul style="list-style-type: none"> <li>◎the projector ventilation is block?</li> <li>◎the voltage is not stable.</li> <li>◎the projector is so hot ? Maybe the fan is broken .</li> </ul>

## About the installation

- In order to improve the projector service life, It shouldnot place in a wet and ventilation condition.
- Donot put the projector under the sunshine directly.
- Projector working temperature: 0℃~+35℃。 Projector store temperature : -20℃~+70℃。
- Donot block the ventilation-window of projector  
If the projector interior temperature are too hot , the machine will be shut off automatically.This is hot - protected system.  
So please clean the filter of projector per month . It is very important.  
Donot let the dust cover the filter.
- About Open and close the projector
  - when open the projector ,connect the power cable and press the "power" key on the panel .the projector will work ,but the lamp will be bright more and more .After 5 minutes, the lamp work normally
  - when close the projector , press the power key again . And then the lamp shut off. But the fans still work until 5minutes later. When close the projector ,donot pull out the power cable directly . After 5minutes, the projector will shut off automatically.

## Warning:

Fans will adjust the temperature , It is controlled by system 。 when the projector work, the fans turn slowly or quickly, so the fans noise are different。 But it is normal。  
when the projector work ,donot pull out the pwer cable。 If the fans stop to work,it will cause the projector interior temperature very high, so it may damage the projector.

# Safety precautions

## Warning;

when use this projector ,please read this manual carefully.

If wrong operation ,it will cause electric shock or fire.so when use and repair this projector ,please comply with the following points.

### 1,Read manual

Before use this projector ,please read full manual carefully and operate according to this manual instruction

### 2,Clear

when clear this projector ,please pull out the power cable. Use the wet cloth to clear,not the cleasner

### 3.Accessory

please use our recommended accessory. Or it will damage the projector.

### 4,Use environment

Donot place the projector in wet environment

### 5,installation and fix

please place this projector in stable table .

### 6, Ventilation

the ventilation in the projector are best for projector work stably. Donot let the dust wall up the filter. Or it will cause the projector high-temperature protected. So please use the water to clear the filter per month.

### 7, Power

please make sure the power same as your projector inquiry specification. (220 V or 110V)

### 8, Earthing wire

this projector has earthing wire .

It is three pin plug.

### 9,protect the power cable

Please confirm the power cable are perfect when connect the projector.

### 10,Thunder

when the thunder happen or long time no use , please pull the power cable out of projector.

### 11,Repairment

As the high voltage inside ,please donot open or try to repair the projector by yourself. . Please ask a professional technician to repair the projector.

### 12, Far away Heat device

please make sure this projector far away other heat device . It will damage the projector service life

# Specification

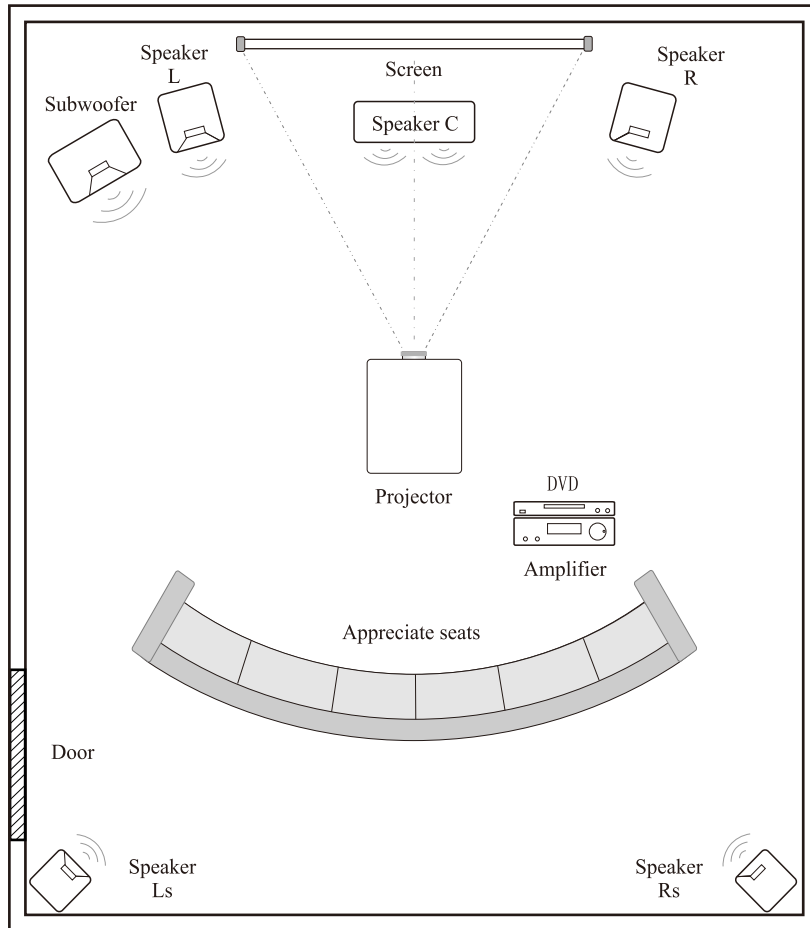
LCD	Model	7" TFT
Input signal	video	component video(Ypbpr) ,VGA, HDMI ,AV
	audio	stereo
output signal	audio	5W×2 speaker
resolution:		1920*1080
contrast ratio		22,000:1
Lens	aperture	3.8
	Focus	185m
Lamp	100W	
Color-temperature		9300K
Lamp life	20000hours	
Image	size	40"~200" inch
	Brightness	4,500 Lumens
	keystone	±15 degree
Power	Voltage	AC 100-240V 50/60Hz
	power consumption	110W
Working condifition	temperature	0℃~+35℃
	humidity	10%~65%
store condition	temperature	-20℃~+70℃
	humidity	90
Remote control	Frequency	38KHz
machine	size	436*286*125mm
	weight	3 KGS

(If all parameter changed,donot note again)

# Installation

## PROJECTOR INSTALLATION

Please use the setup instruction below:



In order to get good image quality ,donot let the sunlight shine the screen directly .If you use the projector in the day time, please close the curtain .

# Trouble Shooting

## TROUBLE SHOOTING

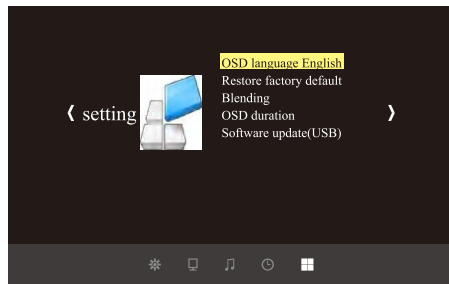
Please refer to this chapter when you encounter a problem.

It lists some simple problem solution .

Problem	The possibility reason
1.When turn on the power switch, the indicator light do not work.	<ul style="list-style-type: none"> <li>◎Power cable do 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 turn on or off ?</li> <li>◎remote control do not have battery</li> <li>◎the remote control do not aim at the IR point</li> </ul>

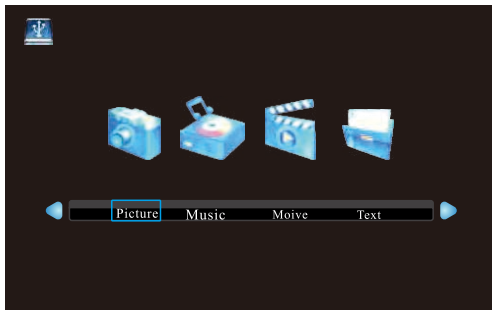
# Menu setting

## 6. Menu setting method



Menu setting	
Language	Русский /Arabic/CN
Restore default	YES/NO
Blending	OFF/LOW/MID/HIGH
OsdDuration	OFF/5S/10S/15S
Upgrate (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 casued 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 Baseline JPEG	---
	.bmp	BMP	---
	.png	Non-interlaced Interlaced	---

# Projector Installation

## Standard setting (Front projection)

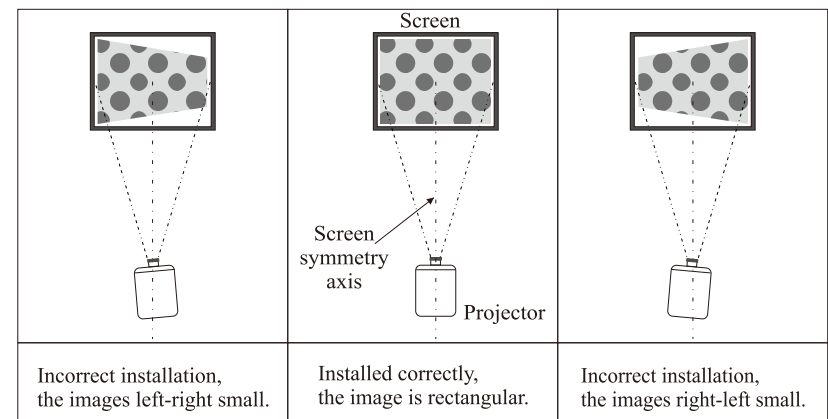
Please refer to the following sheet , adjust your picture size and distance (from the lens to screen )

Distance	4:3	16:9
60"	2.3m	2.5m
72"	2.68m	2.88m
100"	3.6m	3.9m

**The data maybe have 3% error,due to the image size according to the distance between projector and screen 。 if the distance is less 2m or over 5m,the image maybe not clear.**

## warning:

Please check the following picture to show the trapezoid adjustment

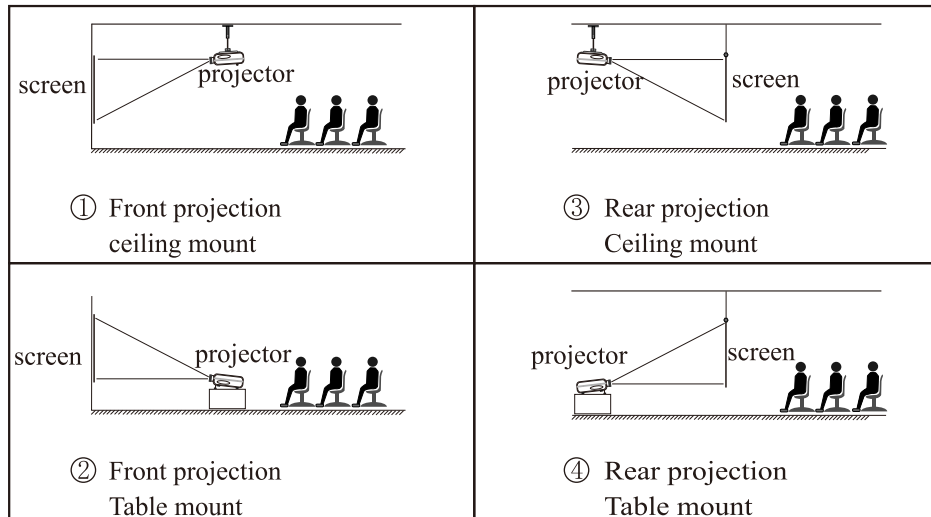


# Projector installation

Installation method:

Contact a professional service man to mount this projector to a ceiling.

Follow the instructions below for the correct projector positions:

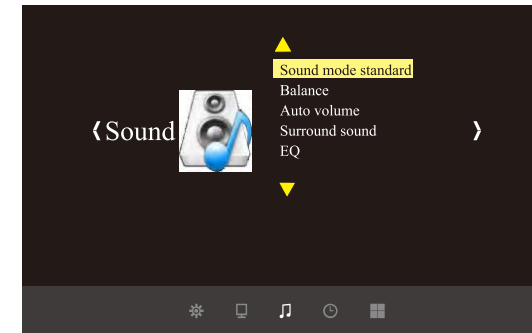


## Warning:

- 1) This projector might damage beyond repair when it is incorrectly mounted on a ceiling or when it is incorrectly installed on a surface or installed on an incorrect surface. It may also inflict damage to persons within close vicinity.
- 2) This projector can only be used in an environment with a temperature not exceeding the range of 0- 35 degree .The projector may malfunction if temperatures vary outside the normal operating range.
- 3) The sharpness of the screen might be interrupted when the projector is being used in a dusty,wet,moist or smoke filled environment. The projector might malfunction in a moist or wet environment.
- 4) Take care of sufficient ventilation around the projector.  
Otherwise this projector might overheat and cause life threatening situations

# Menu setting

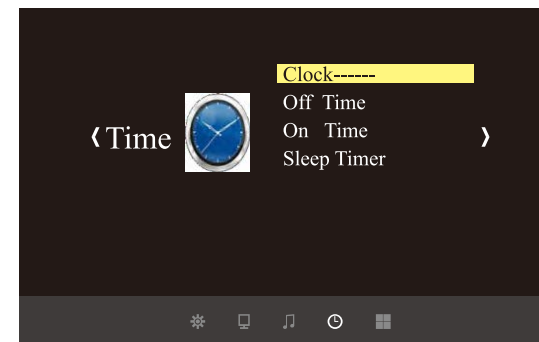
## 4. Sound Menu



Sound Menu

Sound mode	Music/Movie/Sport/User/Standard
Balance	(-50~50)
Auto-volume	OFF/On
Surround Sound	OFF/Surround
Balance	(120/500/1. 5K/5K/10K) Hz 50

## 5. Time Menu



Time Menu

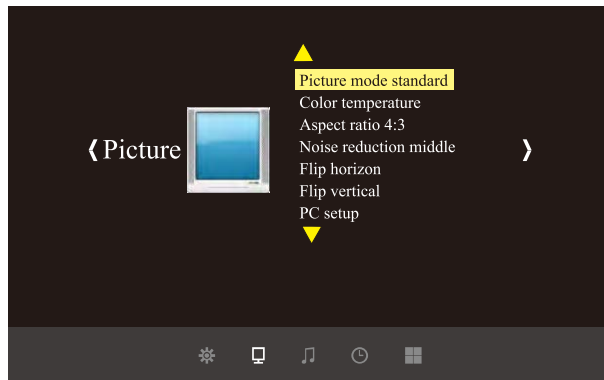
Clock -- -- --	Date--/Month--/Year--/Hr--/Min--
OFF Time	OFF/Once/Everyday/Monday~/Sunday
On Time	OFF/Once/Everyday/Monday~/Sunday
Sleep Timer	OFF/10Mins/20Mins/30Mins/60Mins/90Mins



## 2. Parameter adjustment

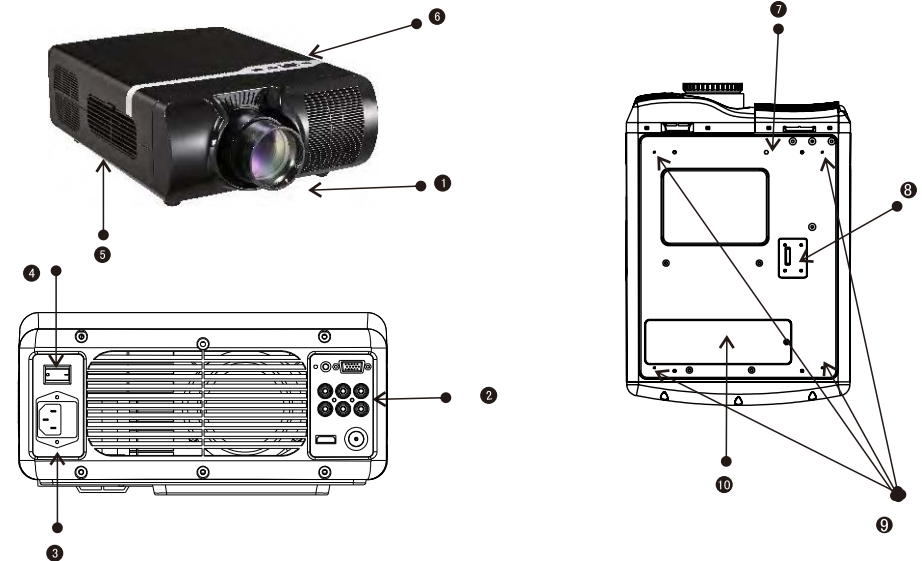
- A. Press "menu" key, until display the above picture of the menu;
- b. Press "▲/▼" key, elect the option that need to adjust
- c. Press "OK" key, use "◀/▶" button to adjust the certain parameters
- d. Press the "menu"key again exit the menu page parameter adjust station.

## 3. Picture Menu



Picture Menu

Picture Mode	Standard/warm/user (Appendix 1) /Dynamic
Color temperature	Standard/warm/cool
Aspect	Auto/4:3/16:9... (Appendix 2)
Noise reduction	OFF/LOW/MID/HIGH
Flip horizon	OFF/ON
Flip vertical	OFF/ON

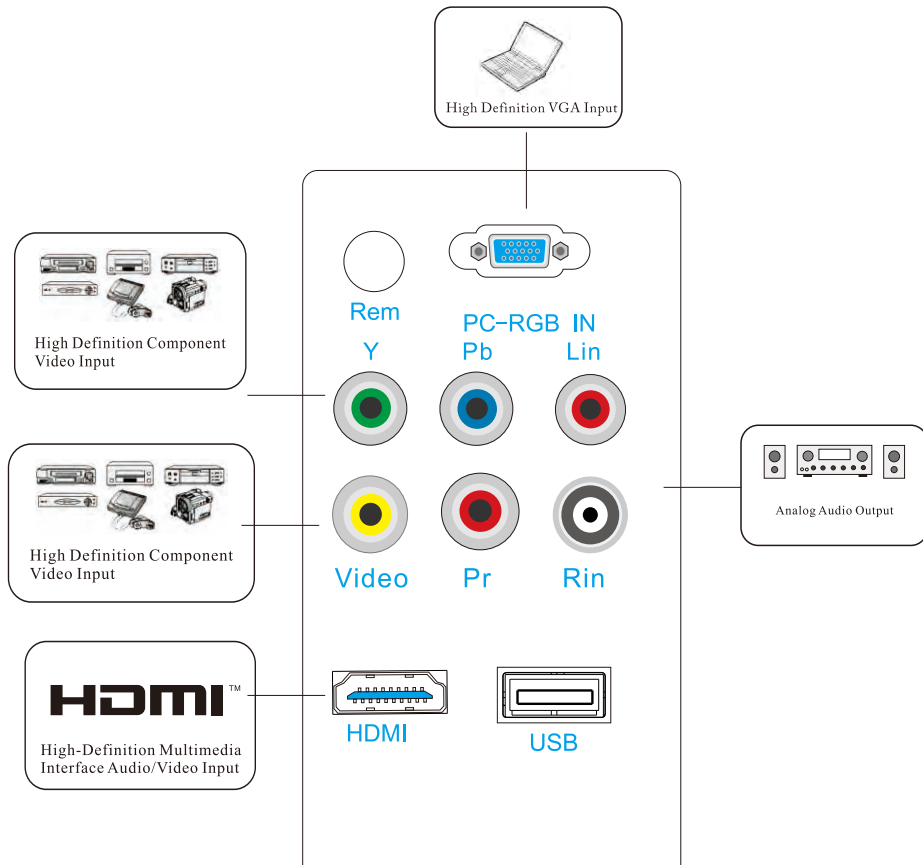


- 1, focus lens
- 2, input terminals
- 3, power cables input
- 4, power switch
- 5, ventilation
- 6, panel key

- 7, high-feet adjustment
- 8, trapezoid correction
- 9, holes for ceiling mount
- 10, replace lamp

# Input terminals

## Input Terminals



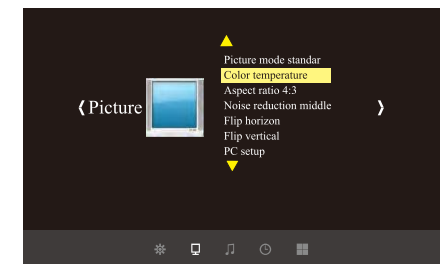
### Caution

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

# Menu setting

## 1. Menu setting method

1. Using the projector, press “menu” .  
The picture display on screen to adjust menu (picture I)
2. Press “◀/▶” key, the menu in turn circle into “picture” > “sound” > “time” > “system”
3. Select the adjust interface, use “▲/▼” key to choose the wanted item (picture II)
4. Press “OK” or “◀/▶” to adjust the item parameter.
5. Finished the elected item parameter, press the “menu” key again, exit the page
6. Repeat operating step 2~5, till you finished all the parameters, press “exit”  
exit the menu page, otherwise, the menu page will auto exit after a period time



# Image adjustment

# Remote control instruction

When you use the projector first time, it normally will appear image faintness or the image is trapezoid. It is the reason of lens focus or trapezoid correction. Please follow the step the correction:

## Focus adjustment

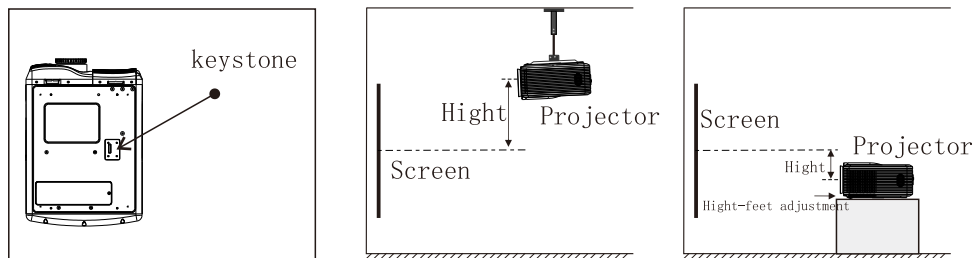
1. turn the lens into the projector, then turn it out slowly, at the same time, looking at the resolution point carefully, when the image is very clearly (take the middle area of the image), it is the best situation of the lens



**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.

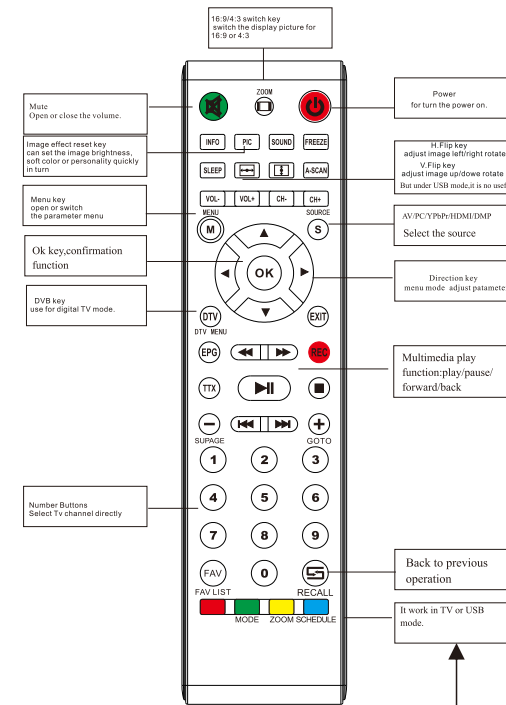
## KEYSTONE

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



If not able to use the Keystone correction function to correct the trapezoid distortion, please reduce the height of the projector to centre the screen vertically.

## Remote control instruction



	Multimedia Mode	Manual channel search	Channel Edit
Red	【Sub Menu】↔【Delete】	Save	Delete
Green			Rename
Yellow	【Confirm】Delete		Move
Blue			skip

## Cautions:

- ☆DO NOT mix-use the new and old battery
- ☆Make sure nothing stands in the middle of remote and IR
- ☆Avoid the light shine on the IR directly
- ☆Point the remote right to IR within 6m, and 30 degrees

- ☆Pull out the battery if you are not going to use it for a long time
- ☆Please change new battery when the remote malfunctions.
- ☆Do not place the remote in wet or heat condition

# Panel keystroke instruction



## 1,Menu :

it can adjust the projector's setting,  
change the brightness, contrast ....

## 2,Directionkeys

it can choose the sub-menu by up/down or left-right  
it can change the volumen by left-right .

## 3,Source

it can choose the input signal .AV/HDMI/YPBPR/PC

## 4,Power

it can turn on or turn off the projector .

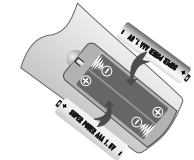
# Open/close

If the projector is the new one , please read “projector install” chapter, placed the projector, connect the powerwire and the signalwire, the operation as follow:

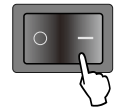
## Open operation

### 1.Before use the remoter .

Put in two 7 size battery in it



### 2. Open 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 turn light.



### 4. After 2 second, the projector lamp begin work, began appear unclear white light on the screen, after 2 minute,the projector begin work.

### 5. For the new projector. When the frist time to use, maybe will appear image unclear or **trapezoid distortion** , please read “**image adjustment**” chapter.

### 6. After the image is clear, then you can watch program. during watching, you also can setup the system parameter, please read “menu setting” chapter.

## Close operation

### 1.During use the projector, press “power” key, can let the projector switch to stay situation.

### 2.After inter into stay situation, the projector under auto protect、auto release hot, the indicator light is flase situation, but here, the projector is under auto protect situation, not accept any order. if need to startup again , must wait for finished the release hot .