ALL-IN-ONE LCD PROJECTOR

MODEL NO.:PRJSD188

USER'S MANUAL

DVD VIDEO   TV   AMPLIFIER

Accessory and purchasable parts

In order to use the projector well ,when you open the carton of projector ,please check the full accessories

Accessory list:

Projector--------------------------1unit
remote control--------------------1pcs
power cable-----------------------1pcs
AV signal cable-------------------1pcs
HDMI signal cable---------------1pcs
VGA signal cable-----------------1pcs
warranty card---------------------1pcs
manual----------------------------1pcs
spare fuse------------------------1pcs
clear paper-----------------------1pcs
reflecting mirror-----------------1unit

Purchasable accessory：

1, projector screen

2, projector ceiling mount

3, spare lamps

CONTENTS

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 £

Do not see the light from the lens ,it is high bright lamp.
It will damage your eye .specially for children

**Warning :Do not place the projector in the wet condition,
avoid to getting an electric shock**
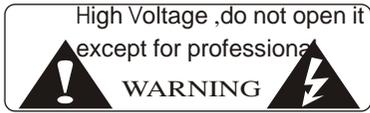
High Voltage ,do not open it,
except for professiona
WARNING

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 children reach.

Specification

LCD	Model	5″TFT
Input signal	video	Component video ,s-video, VGA , HDMI ,Ypbpr ,TV(optional), USB
	audio	Stereo
Output signal	audio	Stereo output ,coaxial output 5w*2 speaker and earphone
LCD	Native resolution contrast ratio	800*600(support 720P,1080P) 800:1
Lens	Aperture Focus	2.9 170mm
Lamp	Power Colour -temp life working time	150w 9300k 8000hours <10 hours
Image	Size Brightness keystone	60-100 inches 1800lumen ±15°
Power	Voltage power consumption	90v-110v/ 60HZ 200 W
Working condition	Temperature humidity	0℃～+70℃ 10％～65％
Store condition	Tempe ration humidity	−20℃～+70℃ 10％～90％
Remote control	Frequency	38KHz
Machine	Size weight	350×215×190mm 6Kg

(If all parameter changed, do not note again)

problem	Possible situation
3. No image	◎ If choose the right signal mode ◎ If open the input signal devices ◎ If connect the signal cable ◎ If connect the signal cable well ◎ Under VGA mode ,setting the computer frequency must over 75KHz?
4. Projector turns off automatically	◎ Dust cover the filter ◎ The filter long time no clean, please clean it by water ◎ The voltage is too low or big fluctuation

5.
 	
Lamp
doesn't
work
	◎When you turn off the projector ,
	  the lamp too hot, please wait at least
	  5 minute ,then you can turn it on again.
	◎ Input power are wrong ,please confirm
	  your projector power specification 220V or 110V
	
	◎ Lamp are broken or out of service life
	  please replace the lamp and test it again

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

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℃～+70℃。 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.

The projector operation is very simple . Just like to use TV. please refer to this chapter when you encounter a problem

Problem	Possible situation
1. No power	◎The projector donot connect the power cable ◎ Fuse broken ◎ Check the fuse broken on the backboard
2. Remote control cannot open or close the projector	◎ If open the power key ◎ If there is no batteries in the remote control ◎ If have obstruction between remote control and projector ◎ If have strong ray on the projector ◎ This machine just turn off . You should wait 5minutes and open the machine again.

3. Use Screwdriver to remove the four screws as picture
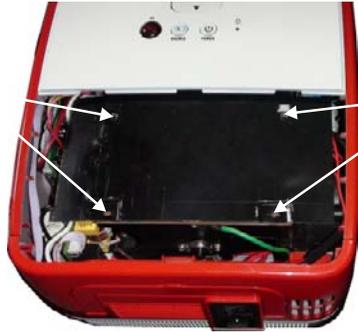
4. Use a small screwdriver to insert the lamp terminal to get the lamp out

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★ Before replacing the lamp, make sure the lamp are cold.
★ Before open the lamp cover board,pull out the power cable
★ When replacing the lamp,donot drop some dirty goods inside the projector

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PROJECTOR INSTALLATION

Please use the setup instruction below:
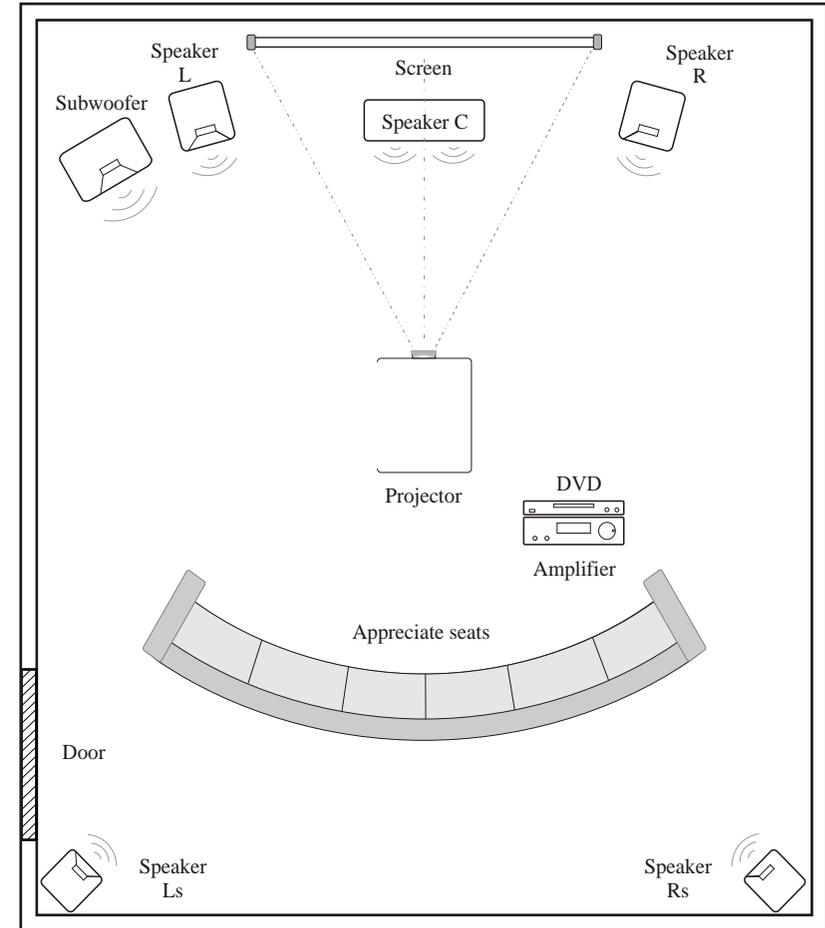
In order to get good image quality ,donot let the sunlight shine the screen directly .If you use the projector in the day time,

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Standard setting（front projection）

Please refer to the following instruction ,adjust your picture size and distance, the projector must be put on a strong flat desk or suspended on the ceiling by mounts

4:3 Image ratio

100 Inch
84 Inch
72 Inch
60 Inch

2.23 M
2.56 M
2.9 M
3.48 M
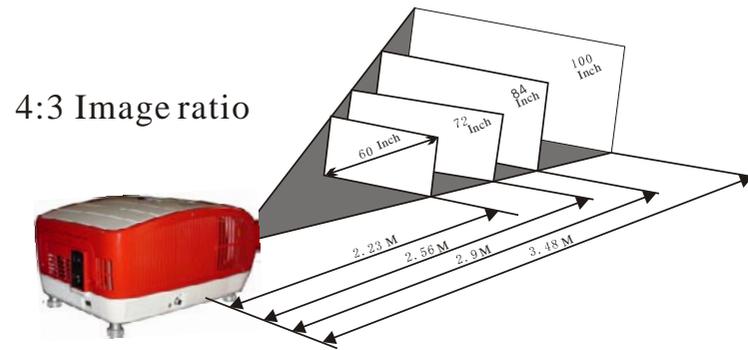
The data maybe have 3% error,due to the image size according to the distance between projector and screen。 if the distance is less 2m or over 5m,the image would not be clear.

warning：

Please check the following picture to show the trapezoid adjustment

	Screen	
	Screen symmetry axis Projector	
Incorrect installation, the images left-right small.	Installed correctly, the image is rectangular.	Incorrect installation, the images right-left small.

Replace the projector lamp

our projector lamp have 6months warranty ,But in different use environment after 6000hours ,the lamp brightness will reduce and the image will become dark. Therefore ,please replace the lamp according to the following steps:

1、First inverse projector on the table and remove the 2screws as picture
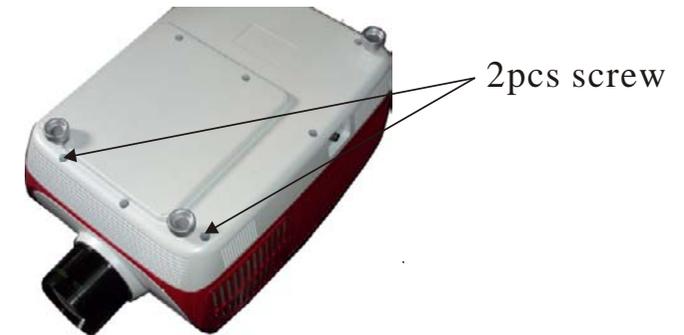
2pcs screw

2、Put the projector on the table,remove the 4pcs screws and the cover

4pcs screws

When projector working ,the projector will be overheat
Now many projectors use fans to cold it .But our projector use
two filters to cold the projector .When use the projector,there
will be some dirt to cover the filter . So please clean the
filters per month.

Following step:

1.Remove the grille as picture

2.Clean the dust on the filter by water and dry the filter again.
  And install the filte well

Installation method:
 contact a proffessional service man to mount this projector to a ceiling
follow the instructions belowe for the corret projector positions:

screen projector	projector screen
① Front projection ceiling mount	③ Rear projection Ceiling mount
screen projector	projector screen
② Front projection Table mount	④ Rear projection Table mount
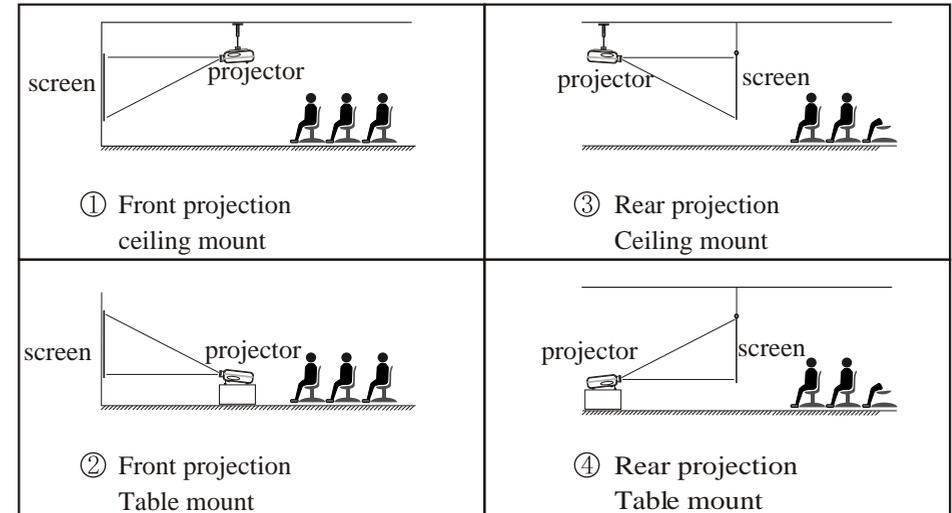
Warning：
   1）This projector might damage beyond repair when it is incorrectly mounted on
       a ceiling or when its incorrectly installed on a surface or installed on a
       incorrect surface. It may also inflict damage to persons within close vicinity.
   2)This projector can only be used in an 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 projecctor might overheat and cause life threatening
     situations

Input port instuction

This projector can support HDMI signal ,component video signal,s-video VGA, and USB input ,TV signal ,the audio in and audio out function

1. **Lens**
   Adjust the focus lens until the image is clear

2. **Panel brand**
   Logo

3. **DVD window**
   The DVD inside or outside

4. **Audio output**
   It can connect the amplifier

5. **Video input**
   Video signal input port

6. **Disc output key**
   Press this key can replace the disc

7、**DVD power indicator light**
   Choose the DVD channel,it is light

8、**Situation indicator light**
   On DVD mode ,the light is blue ,if you press the HDMI switch key on the remote ,the light is red

9、**USB**
   DVD channel,press the menu key,you can choose to play the video or USB

10. **S-VIDEO input**

11. **TV signal input**

12. **VGA input**
   Connect PC equipment

13. **Component video input**

14. **Audio input**

15. **Power switch**

16、**HDMI signal input**

17、**Ear phone port**

18、**DVD audio coaxial output**

19、**Cold wind input port**

20、21、**Hot wind output port**

If you want to paly the external HDMI signal or USB function, ,you must choose the DVD channel !

Play the external HDMI signal as following::

1.firstly open the projector power,the indicator light is flash, Then press the power key on the panel or remote control , the projector begin to work
2.when blue screen appear ,press the "source" key on panel or " TV/AV" Key on remote control,choose the DVD mode. You can see the image which play the DVD disc .If you press the "HDMI switch" key on the remote control ,it can play the external HDMI signal .The DVD or HDMI indicator light become red ,then you can enjoy your program.

Play the USB function as following:

1.firstly open the projector power,the indicator light is flash, Then press the power key on the panel or remote control , the projector begin to work
2.when blue screen appear ,press the "source" key on panel or "TV/AV" Key on remote control,choose the DVD mode。 you can see the image which play the DVD disc .If you press the "Menu" key on the remote control (please press the "mode switch" key on the remote control,change the Remote control to DVD mode) Then entre the DVD system , choose the "system setup" ,then choose "sources" . You will find the choice "Disc /USB" ,choose the USB and press "confirm" key on the remote control. You will play the USB Function.

Digital setup

When you choose the digital setup ,the screen will display as follow:

```
                        Digital setup

Op mode
dynamic range
dual mono
```
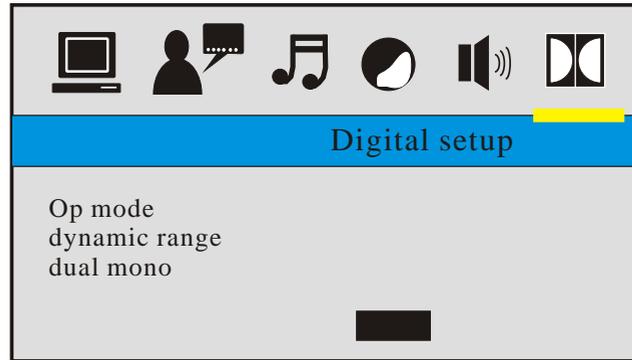
A、Op mode can setup for line out or FR adjust

B、Dynamic range can setup audio output range

Note: If you adjust the DVD menu wrong and cause problem .the projector
cannot play the DVD disc. Please reset the menu . You can use the
"factroy reset" ,then it will work well

.

Image display reflected 90degree

If you use projector in cold day ,you can use the reflected mirror to
install on the projector lens(as the above picture),you must adjust the focus lens
unitl the projection image are clearest .

Connect main equipment

Connect amplifier equipment

Connect DVD or have component video output devices.

Connect PC or DVD equipment VGA output terminal

Connect Mp4 AVI and picturer of USB

VGA

TV

L

Pr/Cr

R

AUDIO   Pb/Cb   VIDEO   S-VIDEO

USB

Audio output

Connect the equipment without S-video。
like：DVD、vidicon、game。

Connect the S-video equipment。
like：DVD、vidicon、game。

Connecting an cable with matched receiving antenna

HDMI connect

Back of projector

HDMI port ,under DVD mode ,
press HDMI switch on the remote control,
choose the external HDMI signal to play

Remote control instruction

DVD menu operation setting

DVD Mode or PROJECTOR MODE

DVD open/close

Power

This key for Mode choice (DVD or projector)
When press this key,the DVD code are red,
it means the remote control for DVD player.
When press this key again,the projector code
are blue.It means the remote control for projector.

HDMI input choise
you can choose the HDMI input
from other devices.

HDMI switch P+ Mode switch

VOL− Menu VOL+

Under TV mode,itcanadd or reduce TV channel

Screen display P− confirm

Confirm key

Title Language Caption Angle
Ratio PIP Image TV/AV
chapter Zoom step Audio
Mix Horizontal — Reverse — Vertical

Switch 16:9 or 4:3
(under VGA,HMI mode ,
the image only show 4:3
format under TV/AV mode,
the image can show 16:9
or 4:3 format)

1 2 3
4 5 6
7 8 9
0 −/−− return

Number key
under TV mode,
you can choose the
channel number directly

SUBPAGE UP
+
size Down

repeat A-B Sound PBC
EPG Preview TEXT HOLD
▶II ■ RETURN
INDEX REVAL
◀◀ ▶▶ I◀◀ ▶▶I

It adjust the image trapeziod

SYSTEM RESET Slow display
Trapeziod+ Trapeziod-

Important Note :
1,this remote control can control the DVD player (Built inside) and projector .
So please use the "mode switch" key to choose DVD mode or projector mode.
2,Under DVD mode, all red key in the remote control can be used. Under Projector mode,
all blue key can be used.All white key can used under two modes.
3,when press "mode switch" ,if the indicator light are red,it means the remote cotnrol
can control the DVD menu ; if the indicator light are blue, it means the remote control
can control the Projector menu.

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Speaker setup

When you choose the speaker setup ,it will display as following:

```
SPEAKER SETUP

DOWNMIX
SUBWOOFER
CENTER DELAY
REAR DELAY
FRONT
```

A、DOWNMIX set up the audio out for LT/RT, stereo
    analog rear ,5.1speaker channel

B、SUBWOOFER set up the subwoofer open or close
C、Center deplyset up the center channel delay time
D、Rear delay set up the rear delay time
E Frontset up the speaker volume higher or lower

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Audio setup:

When you press the audio setup key ,it will display as following :

AUDIO SETUP
AUDIO OUT
MIC SETUP
KEY
ECHO
MIC VOL
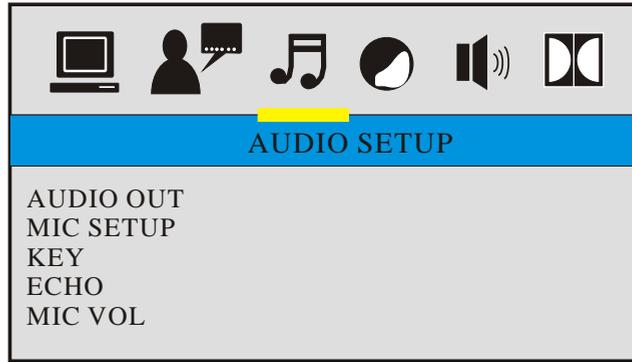
Video setup:

When you press the video setup key ,it will display as following :

Video setup
BRIGHTNESS
CONTRAST
HUE
SATURATION
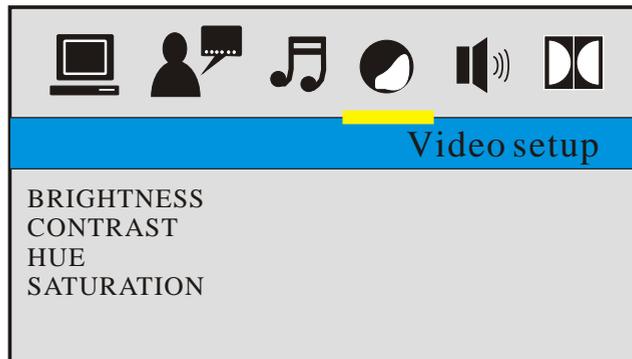
Panel keystoke sketch map
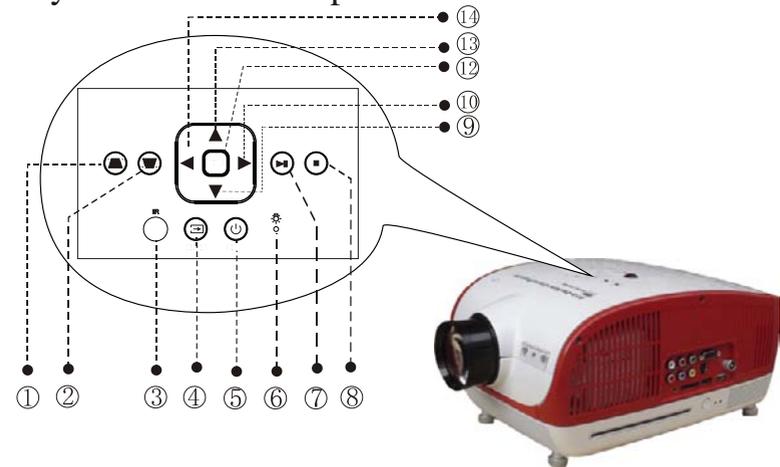
① ② Adjust the image trapeziod

③ Remote control reciver

④ Signal mode choice key ,for choose different signal ,as PC,component ATV,VIDEO,S-VIDEO,and DVD

⑤ POWER key ,for open /close projector if close it must wait for release hot ,then turn off the switch back of the projector

⑥ On working the indicator is light , on stay situation ,the light is flash

⑦ On DVD mode,press this key, stop or begin the disc

⑧ On DVD mode ,press this key to stop to play. press it again to play again ,if press it twice , it keep stopping.

⑬ ⑨ Menu direction key ,can up/down or choose TV channel

⑭ ⑩ Menu direction Key ,can left/right or adjust the volume higher or lower

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Open/close

If the projector is the new one ，please read "projector install" chapter，placed the projector，connect the powerwire and the signelwire，the operation as follow:

Open operation

1.Before use the remoter .
  Put in two 7 size battery in it
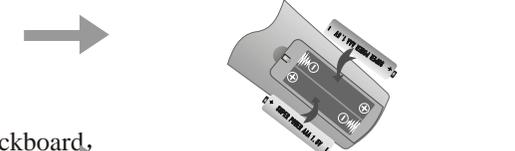
2. Open the power switch on the backboard，
   the power light begin to flash。
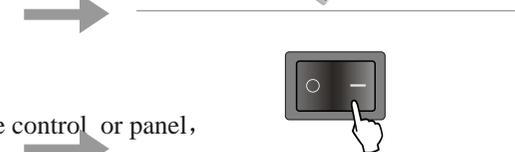
3. press the power key on the remote control or panel，
   the indicator light turn light。

Power
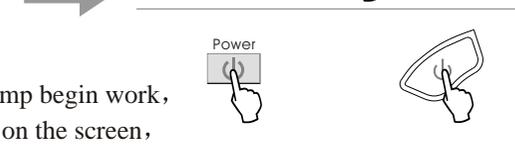
4. After 2 second，the projector lamp begin work，
   began appear unclear white light on the screen，
   after 2 minute the projector begin work。
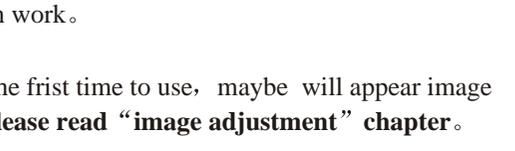
5. For the new projector. When the frist time to use，maybe will appear image unclear or **trapezoid distortion** ，**please read "image adjustment" chapter**。

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 .

Language setup:

When you choose the language setup ,the screen will display as following

```
LANGUAGE SETUP

OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG
```

A、OSD LANGUAGE set up the menu words
B、AUDIO langset up the disc language
C、SUBTITLE LANG set up the disc display words
D MENU LANG set up the disc menu display words

Note : B,C,D is relation with the disc that you play ,if can not set .your disc no this function

DVD menu operation setting

Image adjustment

When you choose the DVD channel ,the DVD begin to work when the DVD interface appear in the screen, put the disc inside the projector , then you can enjoy your program.

Use remote control to operate the DVD menu ,please note the up/down /left/right ,then press OK key

When the mode code is DVD,the light is red ,press the menu key , it will display the picture as follow:


```
                    System setup

TV SYSTEM ----    NTSC
SOURCE            PAL
AUTO PLAY         AUTO
VIDEO
TV TYPE
PASSWORD
RATING
NEXT PAGE
```
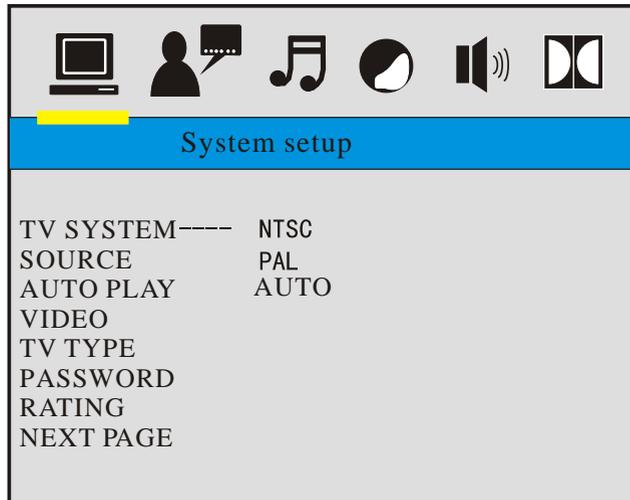
A、TV SYSTEM can choose 3 image standard ,the NTSC,PAL and AUTO
   if it is unnormal ,you can switch it
B、Source can choose play USB ,the DVD VCD Mp3 Mp4
   and AVI format ,JPG picture,the SD is no function
C、AUTO PLAY can choose open or close
D、Video can choose some format video ,it is the 1080P
   HD signal output
E、TV type can choose 4:3 or 16:9,no need to adjust ,can adjust
   the projector directly
F、Password and rating use for some disc that have
   password or rating

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The new projector，using it first time，commonly will appear image faintness and the the image is trapezoid，it is course that not adjust well of the lens focus and the trapezoid。 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

1

Trapeziod correction

2、adjust the trapeziod correction key-press orthe key on the remote， untile the screen image become square。the trapezoid correction is ±15degreen。if can not adjust all the trapezoid distortion need to minish the uprightness distance。if use table placed the projector can use the angle adjust key to change the projector project angle。

Screen   projector
Uprightness distance
If can not adjust all the trapezoid distortion
need to minish the uprightness distance

If can not adjust all the trapezoid diftortion
need to minish the uprightness distance
Screen
Uprightness distance   Projector
Angle adjust

2   3

12
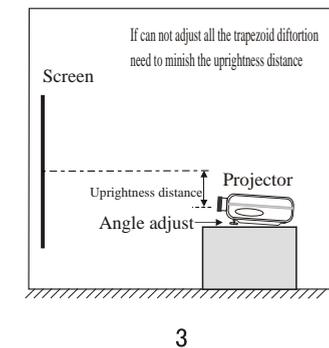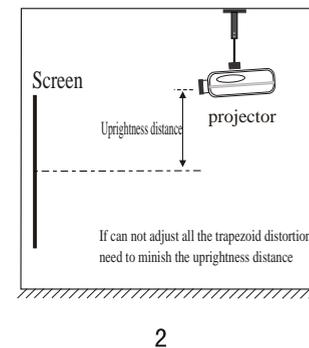
Menu setting method

1. Using the projector，press"menu"key, the picture disply on screen to adjust the menu(picture one)；
2. press"◀/▶"key，the menu entre into "image" > "volume" > "function" > "system" > "setting" > "image" adjust interface；
3. Elect the adjust interface，use "▲/▼" key elect the item that need to adjust(picture two）；
4. use "◀/▶" key to adjust the elect item paremeter；
5. Finished the elect item parameter，press the "menu" key again，exit the page ；
6. Repeat operate the 2～5step， till finished all the parameter's setting， press"exit"key,exit the menu page， otherwise，the menu page will exit automatically after a period time。

```
        [icons]
         PICTURE
PICTURE MODE    ◀   PERSONAL  ▶
CONTRAST
BRIGHTNESS
HUE
SATUTATION
SHARPNESS
COLOR TONE      ◀   NORMAL    ▶
NR              ◀   MIDDLE    ▶
↕ SE    ⇌ ADJ    MENU EXIT
```
（One）

```
        [icons]
         PICTURE
PICTURE MODE    ◀   PERSONAL  ▶
CONTRAST
BRIGHTNESS
HUE
SATUTATION
SHARPNESS
COLOR TONE      ◀   NORMAL    ▶
NR              ◀   MIDDLE    ▶
↕ SE    ⇌ ADJ    MENU EXIT
```
（Two）
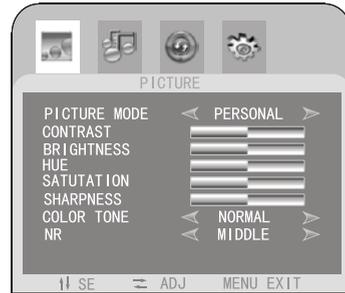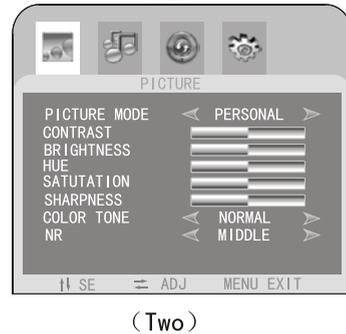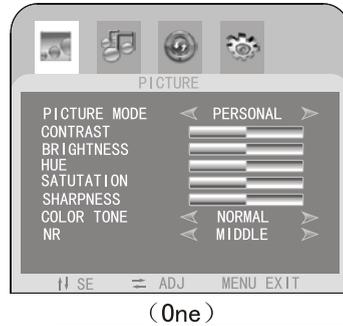
1. Image menu adjustment

a. Press "menu" key，untile disply the above picture of the menu;
b. Press "▲/▼" key，elect the option that need to adjust;
c. Press "◀/▶" key，adjust parallelisn elect parameter.
d. Press the "menu" key again exit the menu page parameter adjust station.

```
        [icons]
         PICTURE
PICTURE MODE    ◀   PERSONAL  ▶
CONTRAST
BRIGHTNESS
HUE
SATUTATION
SHARPNESS
COLOR TONE      ◀   NORMAL    ▶
NR              ◀   MIDDLE    ▶
↕ SE    ⇌ ADJ    MENU EXIT
```

Note:

"◀ ▶" It means it has a certin choice
" ▶ " It means it has a subtitle choice
" ▭ " It means it has continuous adjustable parameter

note£°

¡°   indicate fixed option£»

¡°indicate submenu opton£   »

¡°indicate continue adjust parameter,as adjust parameter will appear adjustment interface;

```
BRIGHTNESS   ▭▭▭        50
```

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---

2. SOUND INTERFACE

```
        [icons]
         SOUND
SOUND MODE      ◀   NORMAL    ▶
BASS
TREBLE
BALANCE
↕ SE    ⇌ ADJ    MENU: EXIT
```

3. ADVANCE INTERFACE

```
        [icons]
         ADVANCE
TTX LANGUAGE    ◀   WEST   ▶
AUTO FORMAT     ◀   ON     ▶
COLUMN          ◀   4      ▶
ROW             ◀   3      ▶
TIMER           ◀   4      ▶
↕ SE    ⇌ ADJ    MENU: EXIT
```

4. SYSTEM INTERFACE

```
        [icons]
         SYSTEM
OSD LANGUAGE    ◀   ENGLISH  ▶
DURATION
HALFTONE
SCALE           ◀   4:3      ▶
HZOOM           ◀   ZOOM1    ▶
VZOOM           ◀   ZOOM1    ▶
HFLIP           ◀   ON       ▶
VFLIP           ◀   OFF      ▶
↕ SE    ⇌ ADJ    MENU: EXIT
```

5. PIP INTERFACE

```
        [icons]
         PIP
PIP             ◀   OFF      ▶
SOURCE          ◀   VIDEO    ▶
SOUND           ◀   SUB      ▶
SIZE            ◀   MIDDLE   ▶
BOARD COLOR     ◀   BLACK    ▶
H-POSITION
V-POSITION
↕ SE    ⇌ ADJ    MENU: EXIT
```
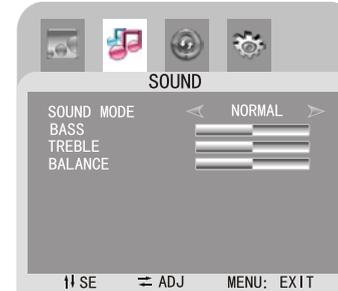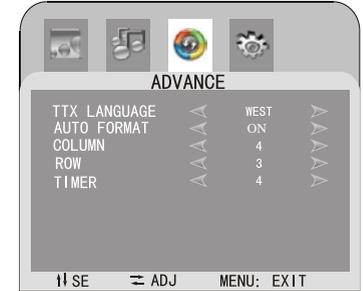
(NOTE：only HDMI and Pc, support PIP function, when PIP function not close, the singal just switch between HDMI and PC)

6. GEOMETRY INTERFACE

```
        [icons]
         GEOMETRY
H-POSITION
V-POSITION
CLOCK
PHASE
↕ SE    ⇌ ADJ    MENU: EXIT
```

7. TV-CHANNEL INTERFACE

```
        [icons]
         TV-CHANNEL
COLOR SYSTEM    ◀   AUTO     ▶
SOUND SYSTEM    ◀   AUTO     ▶
MTS             ◀   AUTO     ▶
AUTO SCAN               ▶
MANUAL SEARCH           ▶
FINE TUNE               ▶
SKIP            ◀   ON       ▶
AFC             ◀   ON       ▶
PROGRAM AEAR    ◀   CHINA    ▶
↕ SE    ⇌ ADJ    MENU: EXIT
```

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