
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
- Warranty card: 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
## Specification

<table>
<thead>
<tr>
<th>LCD</th>
<th>Model</th>
<th>5”TFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input signal</td>
<td>video</td>
<td>component video(Ypbpr), VGA, HDMI TV</td>
</tr>
<tr>
<td></td>
<td>audio</td>
<td>stereo</td>
</tr>
<tr>
<td>output signal</td>
<td>audio</td>
<td>5W×2 speaker(select)</td>
</tr>
<tr>
<td>LCD</td>
<td>native resolution</td>
<td>640×480 (support 576P, 720P, 1080P)</td>
</tr>
<tr>
<td></td>
<td>contrast ratio</td>
<td>800 : 1</td>
</tr>
<tr>
<td>Lens</td>
<td>aperture</td>
<td>3.8</td>
</tr>
<tr>
<td></td>
<td>Focus</td>
<td>160mm</td>
</tr>
<tr>
<td>Lamp</td>
<td>Power</td>
<td>150W</td>
</tr>
<tr>
<td></td>
<td>Color-Temperature</td>
<td>9300K</td>
</tr>
<tr>
<td></td>
<td>Life</td>
<td>&gt; 6000 hours</td>
</tr>
<tr>
<td></td>
<td>working time</td>
<td>&lt; 24 hours</td>
</tr>
<tr>
<td>Image size</td>
<td>Brightness</td>
<td>1800 Lumens</td>
</tr>
<tr>
<td></td>
<td>keystone</td>
<td>±20 degree</td>
</tr>
<tr>
<td>Power voltage</td>
<td>220±10%VAC, 50Hz or 110±10%VAC, 60Hz</td>
<td>&lt; 200W</td>
</tr>
<tr>
<td>Working condition</td>
<td>temperature</td>
<td>0℃ ~ +70℃</td>
</tr>
<tr>
<td></td>
<td>humidity</td>
<td>10% ~ 65%</td>
</tr>
<tr>
<td>store condition</td>
<td>temperature</td>
<td>-20℃ ~ +70℃</td>
</tr>
<tr>
<td></td>
<td>humidity</td>
<td>10% ~ 90%</td>
</tr>
<tr>
<td>Remote control</td>
<td>Frequency</td>
<td>38KHz</td>
</tr>
<tr>
<td></td>
<td>size</td>
<td>298×210×120mm</td>
</tr>
<tr>
<td></td>
<td>weight</td>
<td>6Kg</td>
</tr>
</tbody>
</table>

(If all parameter changed, don’t note again)
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 cleanser.

3. Accessory
Please use our recommended accessory. Or it will damage the projector.

4. Use environment
Do not 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. Do not 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. (220V 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. Repair
As the high voltage inside, please do not 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.

Trouble shooting

TROUBLE SHOOTING
Please refer to this chapter when you encounter a problem list prior to contacting your dealer.

**Problem:**

- Projector turns off automatically
  - 1. Dust cover the filter, Please wash this filter by water.
  - 2. Some of fans are broken, do not turn again. It is high temperature protected system. Please replace the broken fans quickly.

- Lamp doesn't work.
  - 1. Power supplier are wrong. Please confirm your Projector power specification. 220V or 110V.
  - 2. Lamp are broken or out of service life. Please replace the lamp and test it again.
  - 3. Check the ignitor. It is broken, please change a New ignitor.
Trouble Shooting

TROUBLE SHOOTING

Please refer to this chapter when you encounter a problem list prior to contacting your dealer.

Problem: Possible solution(s):

No power
1. The projector donot connect the power cable
2. Donot open the projector.
3. Fuse broken

Remote doesn't operate
1. Projector turned on to quickly after last turn off (needs 5 minutes).
2. Batteries defect.
3. Aim remote correctly at IR receiver.

No image
1. Please remove the len cap at first
2. Projector turned off.
3. Selected the wrong input signal.
4. the mainboard are broken. Please Replace this mainboard.

About the installation
- In order to improve the projector service life, it should not 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.

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 power cable. If the fans stop to work, it will cause the projector interior temperature very high, so it may damage the projector.

Caution

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 5 minutes later. When close the projector, donot pull out the power cable directly. After 5 minutes the projector will shut off automatically.
2. Take away the panel like the picture 2.

In order to get good image quality, do not let the sunlight shine directly on the screen. If you use the projector during the day, time,

- 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, do not drop any dirty goods inside the projector.
Replace the projector lamp

Our projector lamp warranty 6 months. In different use environment, after 6000 hours, the lamp brightness will reduce, the image will become dark. Therefore, please replace the lamp according to the following steps.

1, use the tool to remove the screw, like the picture 1 show

Standard setting (Front projection)

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

<table>
<thead>
<tr>
<th>Taille D'écran</th>
<th>4:3</th>
<th>16:9</th>
</tr>
</thead>
<tbody>
<tr>
<td>50”</td>
<td>2.45m</td>
<td>2.65m</td>
</tr>
<tr>
<td>72”</td>
<td>3.45m</td>
<td>3.75m</td>
</tr>
<tr>
<td>100&quot;</td>
<td>4.73m</td>
<td>5.15m</td>
</tr>
</tbody>
</table>

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

Incorrect installation, the images left-right small.  
Installed correctly, the image is rectangular.  
Incorrect installation, the images right-left small.
Installation method:
Contact a professional service man to mount this projector to a ceiling. Follow the instructions below for the correct projector positions:

<table>
<thead>
<tr>
<th>Screen</th>
<th>Projector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front projection</td>
<td>Ceiling mount</td>
</tr>
<tr>
<td>Rear projection</td>
<td>Table mount</td>
</tr>
</tbody>
</table>

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 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.

Maintenance filter

The filter should be cleaned at least once a month (more often in dusty environments), or the projector will overheat. The step as follow:

1. Remove the grille like indicated below.

2. Clear the dusty on the filter. Dry the filter sufficiently never install a moist filter in this projector, and complete the installation.
Menu setting

2. SOUND INTERFACE
   - Equalizer
   - Balance
   - Sound mode
   - AEC
   - Surround
   - Audio output

3. ADVANCE INTERFACE
   - Sleep timer
   - T.L.Knob
   - Auto-format

4. SYSTEM INTERFACE
   - OSD language
   - OSD H position
   - OSD V position
   - OSD duration
   - OSD half tone
   - H flip
   - V flip

5. PIP INTERFACE
   - Multi window
   - Sub source
   - Pip H position
   - Pip V position
   - Pip border color
   - Pip sound source
   - Pip swap
   - Sub source
   - Pip H position
   - Pip size normal

6. GEOMETRY INTERFACE
   - Position
   - Position
   - Clock
   - Phase

7. TV-CHANNEL INTERFACE
   - Auto scan
   - MTS
   - Skip
   - Fine tuning
   - Manual search
   - Color system
   - Sound system
   - Mute
   - N.O.
   - On
   - Auto

Projector installation

Input port instruction
This projector can support component video signal, s-video signal, VGA signal and TV signal, the audio in and audio out function.

1. Indicator light
   - On stay situation, the light is red.
   - On working situation, the light is green.

2. Panel key
   - Use panel key to adjust parameter.
   - (read the introduce of the panel key)

3. Remote control receiver
   - When use the remote control, please point this receiver directly.

4. Lens
   - Adjust the lens focus to improve the image quality.

5. Trapezoid correction
   - Turn the knob on the projector left or right.
   - Adjust the image become square, can adjust +/-15

6. HDMI signal input, max support 1080i signal.

7. Signal wire connect
   - Connect projector signal source.
   - (read the signal port introduce)

8. Power switch
   - When use, you need connect the power wire with projector and the power jace.

9. Fuse
   - If open the power switch, the indicator light donot work, it maybe the fuse broken, (5A220V)

10. Power switch
    - Open and shut off this switch when you want to open the projector, it must open this switch at first.

11. Ventilation
    - This ventilation window is very important.
    - Donot block this window, otherwise it will burn the projector.

12. Ventilation
    - Two side of the projector have the ventilation.
    - When use, you must ensure do not block it.
Menu setting

1. Using the projector, press “menu” key, the picture display on screen to adjust the menu (picture one);
2. Press “◄/►” key, the menu in turn circle 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 parameter;
5. Finished the elect item parameter, press the “menu” key again, exit the page;
6. Repeat operate the 2—5 step, till finished all the parameter’s enactment, press “exit” key, exit the menu page, otherwise, the menu page will auto exit after a period time.

1. Image menu 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 “◄/►” key, adjust parallelism elect parameter.
   d. Press the “menu” key again exit the menu page parameter adjust station.

Note:
“◄/►” indicate fixed option;
“△/▽” indicate submenu option;
“◄/►” indicate continue adjust parameter, as adjust parameter will appear adjustment interface;
Image adjustment

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

- 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.

Remote control instruction

Remote panel instruction

Precautions:

1. you need to dry the remote control with a dry cloth immediately when it gets wet.
2. when the battery hasn't been used for a long time we advise you to remove it from the remote .be sure that children can't reach the removed button cell .swallowing a of harm and is very dangerous
Panel keystoke instruction

Panel keystoke sketch map

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.

- Power key
  - It can open or close the projector its function same as the "power" in the remote control

- Menu, direction Key
  - It can adjust the menu by UP/Down, left/right

- Indicator light

- PC/AV Key
  - It can choose the input signal (such as: AV, SVIDEO, Component video, HDMI, PC or TV)