

HOLATEK – A3

User Manual

3D LED Smart Projector & TV

HOLATEK



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Safety Instructions

Thank you for purchasing the HOLATEK Projector. You need to read carefully the “safety instructions” before using it. After reading the User Manual, please keep it for future reference.

The safety signs

To ensure the safety of you and others and keep the items from damages, the User Manual applies a variety of signs whose meanings are as follows:

 Danger	This sign indicates that ignoring the sign and wrong operations will lead to death or serious injury.
 Caution	This sign indicates that ignoring the sign and wrong operations will lead to the potential dangers of injury.
 Attention	This sign indicates that ignoring the sign and wrong operations will lead to potential dangers of death or serious injury.

Notice for use

Caution

- **Smoking, peculiar smell, hot temperature and other abnormal situations**

Please immediately stop using the machine (continuing using it will lead to dangers of causing fire and electric shock) if there is smoke, smell or any other abnormal situations, and please take the following measures:



1. Turn off the power of the machine;

2. Unplug the power plug of the machine;
3. Contact your dealer or the HOLATEK authorized service center.

● **Fault**



Please immediately stop using the machine (continuing using it will lead to dangers of causing fire and electric shock) if the picture display is abnormal or has any other abnormal phenomenon under correct operations, and please take the following measures:

1. Turn off the power of the machine;
2. Unplug the power plug of the machine;
3. Contact your dealer or the HOLATEK authorized service center.

● **Power cord**



Improper use of power cord may lead to dangers of causing fire and electric shock, the user must observe the following precautions:

- The output voltage must be equal to rated AC voltage of the machines;
- A plethora of devices can not be inserted into the power socket to avoid overload



The impaired power cord will lead to dangers of causing fire and electric shock, the user must observe the following precautions:

- Do not place heavy objects on the power cord or heat the power cord;
- Do not place the power cord between the wall and the table where the machine is placed;
- Do not cover the power cord with cushion or other items;
- Do not try to transform the power cord as it will be damaged or excessively bended;
- Do not twist or pull the power cord



Do not touch the power cord or the plug with wet hands or there will be danger of electric shock



When using this machine in the in the country where it is purchased, please use the attached power cord; when using this machine in other countries, you must purchase and use a power cord which meets the national power supply requirements and pay attention to the safety standards of that country.

● **Water and foreign matters**



Do not place vase or any container filled with water or other liquid on the machine or splash water or other liquid on the machine, otherwise it will lead to dangers of causing fire and electric shock



Machine with foreign matters (such as metal, etc)will lead to dangers of causing fire and electric shock, the user must immediately take the following operations:

1. Turn off the power of the machine;
2. Unplug the power plug of the machine;
3. Contact your dealer or the HOLATEK authorized service center.

● **Dismantling and reconstruction**



Do not dismantle or reconstruct the machine in any way as the machine contains a lot of high-voltage components which may lead to dangers of electric shock and burn. Please note that problems caused by the disassembly or reconstruction of the machine are beyond the scope of the warranty, and HOLATEK will not provide free maintenance. All internal inspections, debugging and maintenance must be entrusted to your dealer or the HOLATEK authorized service center.

● Drop and impact



Continuous use may lead to dangers of causing fire and electric shock if the machine is damaged due to drop or other reasons. In this case, please immediately take the following measures:

1. Turn off the power of the machine;
2. Unplug the power plug of the machine;
3. Contact your dealer or the HOLATEK authorized service center.

● Incineration



Do not discard the machine by incineration, or it will lead to dangers of explosion, fire and personal injury.

● Look straight into lens or vents when the light source unit is lit



Do not look straight into lens or vents when the light source unit is lit as the glare from the bare engine may harm your eyes



● Shielding the vent



Do not shield the air inlet or outlet, otherwise it will lead to internal heat accumulation, which may lead to dangers of causing fire and burning up the machine. Touching the hot machine may be burned, users must strictly observe the following precautions:

- The space between wall and the machine must be larger than 30 cm;
- Do not place the machine in an environment of poor air circulation;
- Do not cover the machine with blankets or any similar articles;
- Always place the machine on a stable and horizontal surface during the operation; do not place the machine on carpets, blankets, towels, cushions or other soft surface during the operation;

- Do not erect the machine during the operation

● **Lightning**



Do not touch the power plug of the machine when thunderstorm and lightning occur

● **Remote control**

Do not dismantle or reconstruct the remote control in any way as it may



lead to dangers of electric shock, burn and other personal injury. All internal inspections, debugging and maintenance must be entrusted to your dealer or the HOLATEK authorized service center



Do not wet the remote control. Keep it from water or other liquids as it may lead to dangers of causing fire and electric shock

● **The radio waves emitted by the wireless module**

- Do not operate the machine on a plane, within medical facilities or in any other places which such a device is prohibited. The radio waves will influence electronic devices and medical equipments, resulting in accidents



- Do not operate the machine near electronic instrument of high precision or electronic devices which are poor in dealing with weak radio signals as the radio waves will have an impact on such devices, resulting in accidents



If you are using a cardiac pacemaker or any other electronic medical devices, please consult doctors or the manufacturers of such devices before operating the product.



Attention

● Power cord



Improper use of power cord may result in dangers of causing fire and electronic shock, users must strictly observe the following precautions:


- Do not place the power cord by the fire;
- Seize the plug when you unplug the power cord and never pull it;
- Plug fully in the socket;
- Please unplug the power cord from the socket after the operation of the machine;
- Please unplug the power cord from the socket if the machine will not be used for an extended period of time;
- Unplug the plug from the socket at least once per year and clean the plug tube feet with dry cloth or vacuum cleaner;
- Do not clean the power cord especially the power plug and socket with cleanser;
- Turn off the power and unplug the power cord from socket before moving the machine.

● Backup of important data




Keep a backup of all data in the machine memory to avoid the loss of data due to failure, maintenance and other reasons


- **Refraction effect**

 There shall be no fishbowl or other items which may produce refraction effect in front of the machine when the light source unit is lit as it may lead to dangers of causing fire

- **Lens**

 Do not touch the lens with hands


- **Clean**

- The dirty machine inner with accumulated dusts may result in dangers of causing fire and breakdowns;
-  ▪ Please contact the dealer or the HOLATEK authorized service center once per year to have the machine's internal cleaned. Note that, such cleaning services are not free

Battery Instruction



Caution

 Improper use of batteries may cause leakage of battery liquid, polluting the surrounding components or resulting in explosion, thereby leading to dangers of causing fire and personal injury, users must strictly observe the following precautions:

- Never attempt to disassemble the battery or have it short-circuited;
- Never place the batteries in a high-temperature environment or into fire;
- Do not charge non-rechargeable batteries;

- Make sure the batteries are in the correct direction when inserting them;
- Batteries specified by remote control only

● Depleted batteries

- Depleted batteries must be removed from the remote control as soon as possible;



- Remove the batteries if the remote control will not be used for an extended period of time

● Batteries disposal



Dispose the used batteries according the local laws and regulations

Operation Instructions

The light source

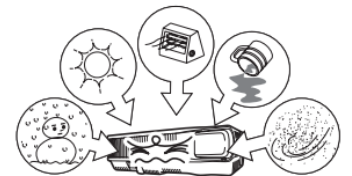
- Light source unit of the machine applies LED
- The designed life of the light source unit is about 20,000 hours. The actual life depends on the operation condition, the set on setting menu and different light source units;
- The warranty period of the light source unit is the term recorded in the Warranty or 6,000 hours, the shorter term prevails;
- If light source unit is not bright or become obviously dark, it indicates that the said light source has reached its life span. Please contact your dealer or the HOLATEK authorized service center for replacement

Other Instructions

This machine is composed of precision parts and failure to comply with the following instructions may result in failure to correctly save data and risk of breakdowns:

- **Do not operate or place the projector in any of the following environments as it may lead to breakdowns and damage to the machine**

- Locations which generate static electricity easily;
- Locations with excessive temperature;
- Locations with excessive humidity;
- Locations where the temperature may change suddenly;
- Locations with excessive dust;
- Locations which are shaking, leaning and uneven;
- Locations which may be wetted



- **Avoid using the projector in the following conditions; otherwise it will cause the projector malfunction and damage.**

- Location which is of extremely low temperature (normal operating temperature ranges from 5 °C to 35 °C);
- Don't place heavy objects on the projector;
- Foreign objects are not allowed to insert into or fall into the projector;
- Don't place vase or any container with water or other liquids on the projector.



- **Don't remain exhausted battery in the remote control**

Exhausted battery will run out of battery fluid, causing malfunction and damage of the remote control.

- **Clean with a soft dry cloth**

The projector is dirty; please clean it with a soft dry cloth soaked in the water and neutral detergent diluents. Wring the cloth till dry before wiping; diluents, benzene and any other volatile chemical are not allowed to clean the projector, otherwise the printing would be wiped and dirty the projector.

- **Display screen pixel does not work**

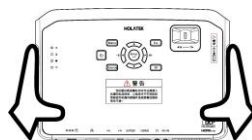
Although the projector is made using the most advanced digital technology, some pixels on the display screen may still don't work, which are normal, instead of malfunction.

- **Avoid strong impact during projection**

- If the projector accidently suffers a strong impact, the projected image may disappear for a while, and then the image will appear again, but color anomaly or error messages may occur;
- If any color anomaly of the projected image, please reselect the input source;
- If the projected image color is still abnormal, according to the operation steps of "Turn on and Turn off the Projector" in page 25, turn off the power, and then reboot.

- **Note after using**

The air outlet and its surrounding will be extremely hot in using and still very hot after shutdown. Therefore, seize two sides of the projector when moving.



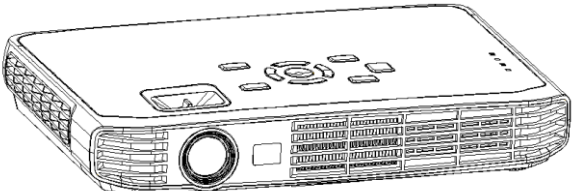

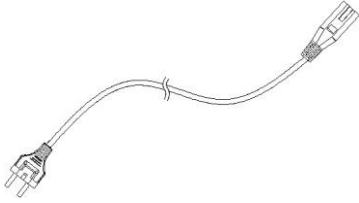
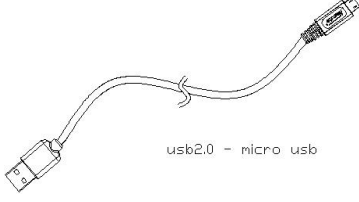
- **How to put the projector into portable package**



Make sure the projector isn't hot before encasing.

summary

Packing list

- Carefully open the package and check whether the projector includes the following items:

Packing list	Graphic	Amount
<ul style="list-style-type: none"> ▪ HOLATEK-A3 intelligent projector 		*1
<ul style="list-style-type: none"> ▪ Remote controller 		*1
<ul style="list-style-type: none"> ▪ AC power cord 		*1
<ul style="list-style-type: none"> ▪ USB line 	 <p style="text-align: center; font-size: small;">usb2.0 - micro usb</p>	*1

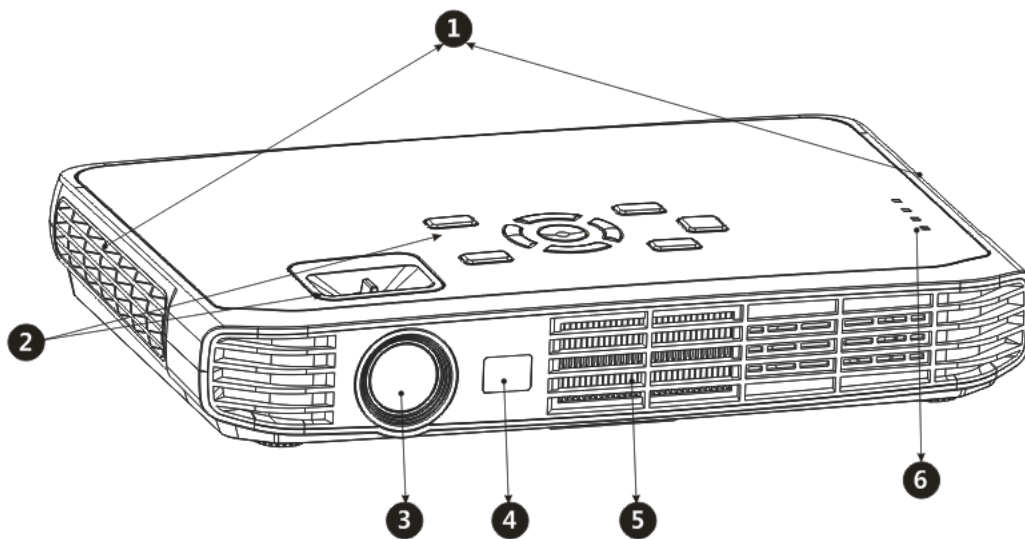
<ul style="list-style-type: none"> ▪ User manual 		<p>*1</p>
<ul style="list-style-type: none"> ▪ Warranty card 		<p>*1</p>
<p>Note: if any missing items or damage or device does not work, please contact the distributor immediately.</p>		

System upgrade

- Android software upgrade process is as follows:
 1. First of all, you need a Windows PC with access to the internet;
 2. Download the firmware upgrade software in the official website;
 3. Install the firmware upgrade software in PC;
 4. Download the firmware upgrade package in the official website;
 5. Start the firmware upgrade software and select the downloaded firmware package in file selector of < Recovery >;
 6. Disconnect power of projection;
 7. Keep pressing the update button behind the projector;
 8. Connect the OTG of projector with PC by the attached OTG-USB line;
 9. Wait for the prompts of “start update” by the upgrade software on PC and release the update button;
 10. Update according to the prompts of upgrade software;
 11. After upgrade, disconnect the OTG-USB cable, connect the power supply, and start the projector.

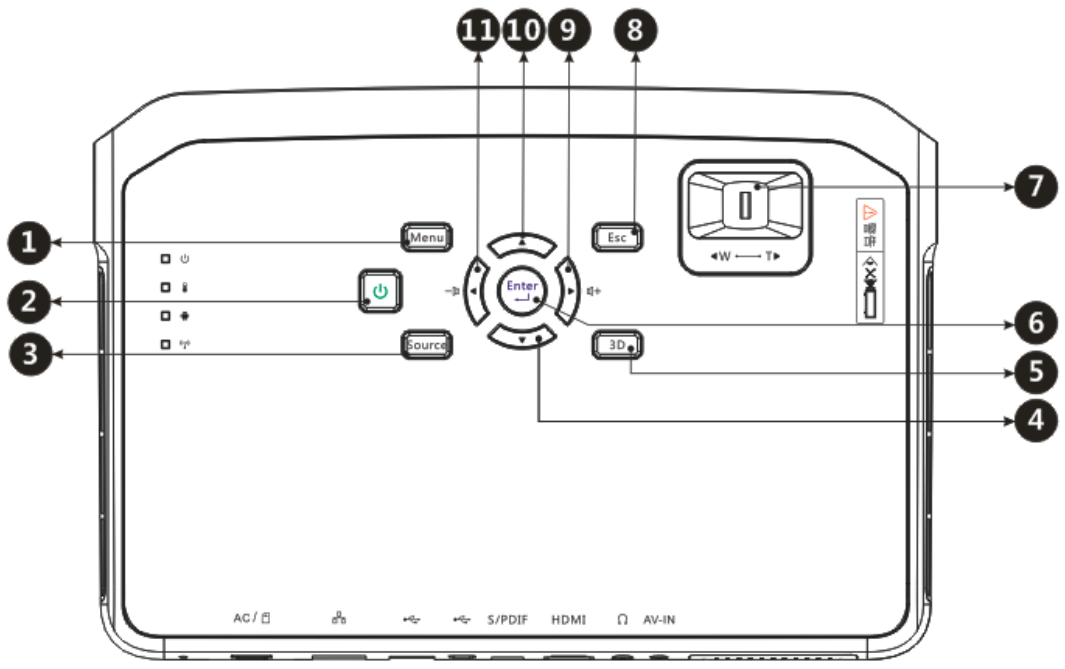
The location and function of control

External view



Corresponding number	Definition instruction	
①	Air Inlet	Air Inlet
②	Controlling	Controlling (detailed in “control area”)
③	LED LENS	LED LENS
④	IR Receiver	IR Receiver
⑤	Air Outlet	Air Outlet
⑥	Indicator	Indicator (see details in P30 “Indicator”)

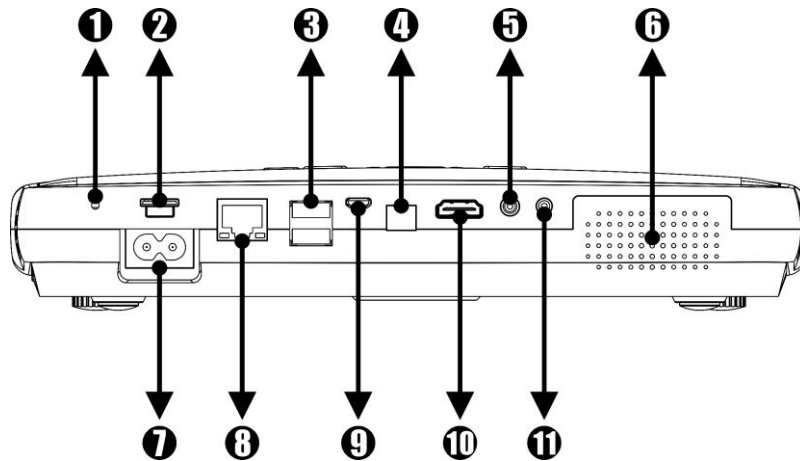
Control area






Corresponding number	Definition instruction	
1	Menu	Menu
2	Power	Power
3	Source	Source
4	Down	↓
5	3D	3D
6	Enter	OK
7	W-T	W-T (W stands for the wide section in zoom lens, T stands for the long period)

8	DLP Esc	DLP Esc
9	Volume+	Volume+
10	Up	↑
11	Volume-	Volume-

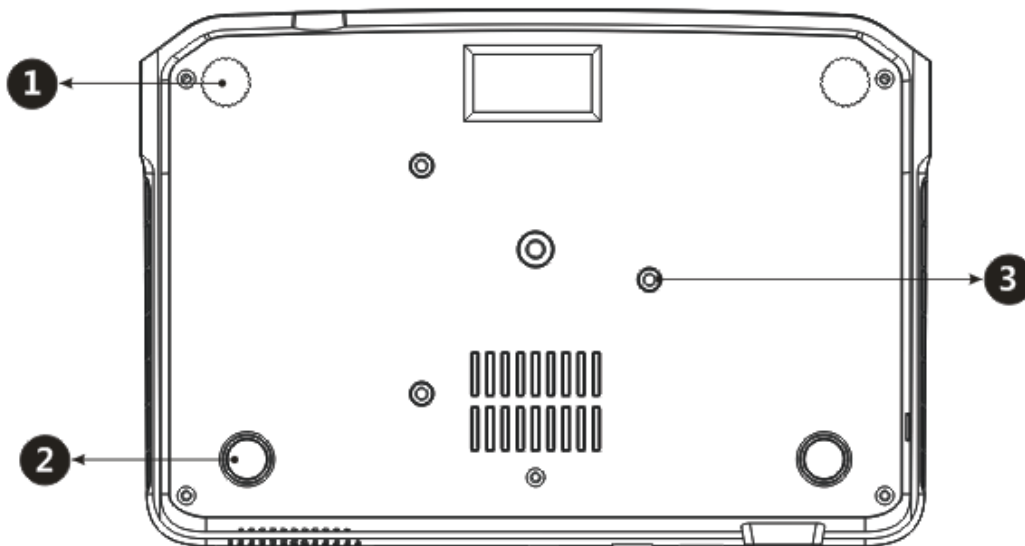
Rear view



Corresponding number	Definition instruction	
1	Update	Update
2		TF-card slot
3	 *2	USB2.0 interface
4	S/PDIF	Audio optical interface
5		Headphones, speakers output
6	Speaker	Speaker (non-interface)

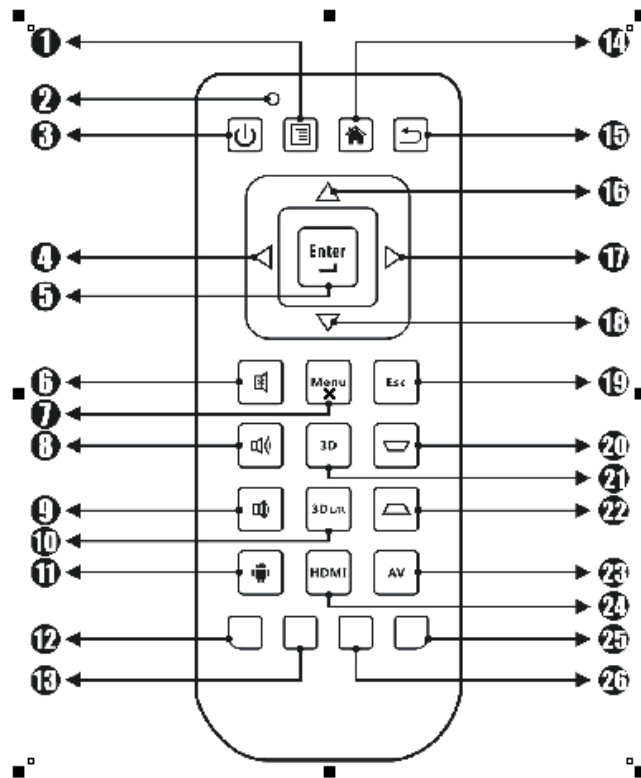
7		AC power line interface
8		RJ-45 network interface
9		OTG-USB interface
10	HDMI	HDMI interface (input)
11	AV-IN	AV interface (input)

Bottom view



Corresponding number	Definition instruction	
1	Front floor mat *2	Rotate, rise and adjust projection angle
2	Rear floor mat *2	Anti-skidding
3	Positioning hole *4	For installing hanger/bracket

Function of remote control



Corresponding number	Definition instruction	
1	Menu	Menu
2	Key response	Key response
3	Power	Power

4	Left	←
5	Enter	OK
6	Mute	Mute
7	DLP Menu	DLP Menu
8	Volume+	Volume+
9	Volume-	Volume-
10	3D L/R	3D L/R
11	Local input	Local input
12	Reserve (Red)	Reserve (Red)
13	Reserve (Green)	Reserve (Green)
14	Home	Home
15	Back	Back
16	Up	↑
17	Right	→
18	Down	↓
19	DLP Esc	DLP Esc
20	Keystone+	Keystone correction+
21	3D	3D
22	Keystone-	Keystone-
23	AV input	AV input
24	HDMI input	HDMI input
25	Reserve (White)	Reserve (White)

26	Reserve (Blue)	Reserve (Blue)
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- **Effective range of remote control**

- With infrared (IR) remote sensor in the front of the projector;
- The remote control must remain orthogonal angle of 30 degrees with the infrared remote control sensor, so that it will function normally;
- The distance between the remote controller and sensor is no more than 8 m (about 26 feet);
- No obstacle blocks off the infrared beam between remote control and infrared sensor on the projector.

Important!

- **Avoid excessive heat and humidity of the remote controller;**
- **Don't place the remote controller on where it may be pressed accidentally to avoid exhausting the battery;**
- **Never dispose of batteries in a fire because they may explode;**
- **If the battery is exhausted or not being used for a long time, please remove the battery to avoid the danger of liquid leakage and damage of the remote controller.**

Projected Images

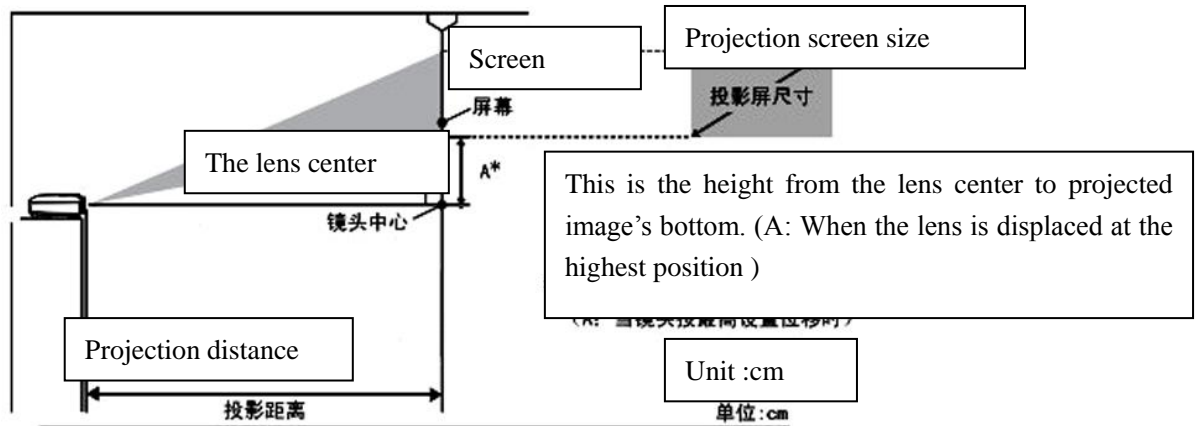
Installation of the projector

- **Adjust the size of projection**

- With the increasing of the distance of home cinema projection between the

screen and wall, the size of the projection image will grow accordingly;

- Refer to the following table when installing the projector, so that the optimal size images are projected onto the screen.



● Projection distance

Unit: m

Screen size	40	80	100	150	200	250	300
Minimum distance	1.2	2.3	2.9	4.4	5.9	7.3	8.8
Maximum distance	1.4	2.8	3.6	5.4	7.2	9.0	10.7

Note: The design value shown in the table above may be slightly different from the actual value.

Important !

- The orientation of projector can form a certain angle; the lens can be upward at a tilt of 40 degrees (+40degrees) to the maximum, is downward at a tilt of 40 degrees (-40 degrees) to the maximum;

Methods of projection



Caution

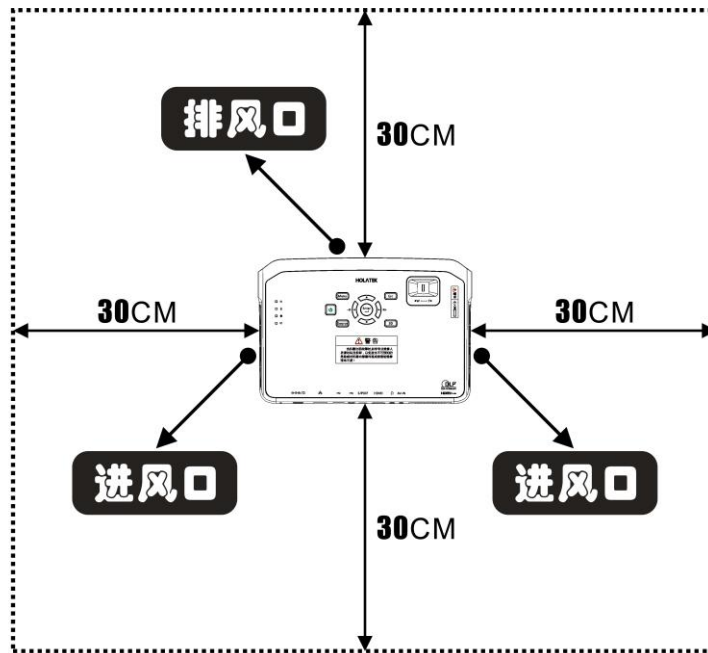
- If the projector is installed in the ceiling, it shall be installed by qualified technical personnel with approved installation equipment. If not installed correctly, the projector may fall, thus leading to personal injury or accident. Please contact your dealer to properly install this projector.
- In order to prevent the screw from loosening, an adhesive may be used in the lifting seat, or lubricants, grease and the like products on the projector, which may result in the burst of the projector outer covering, cause the projector off from the lifting seat and even lead to serious injury of the person underneath or damage to the projector. Therefore, when installing or adjusting the lifting seat, don't use adhesive to prevent screw from loosening, or lubricants, grease and the like products.



Attention

- The operating conditions have a great impact on the effectiveness of the projector, so it must be used in the following conditions:
 - Please use near and convenient power socket, so as to be able to unplug the power cord of the projector whenever necessary;
 - Don't place any object within the dotted line; the distance between the air inlet and air outlet of all surroundings and the projector must be more than 30 centimeters;

Air outlet



至少保留30cm作为安全工作距离，不要让进风口及排风口被挡住

- Don't touch the vents and the air outlet which would be extremely hot when the projector is being used;



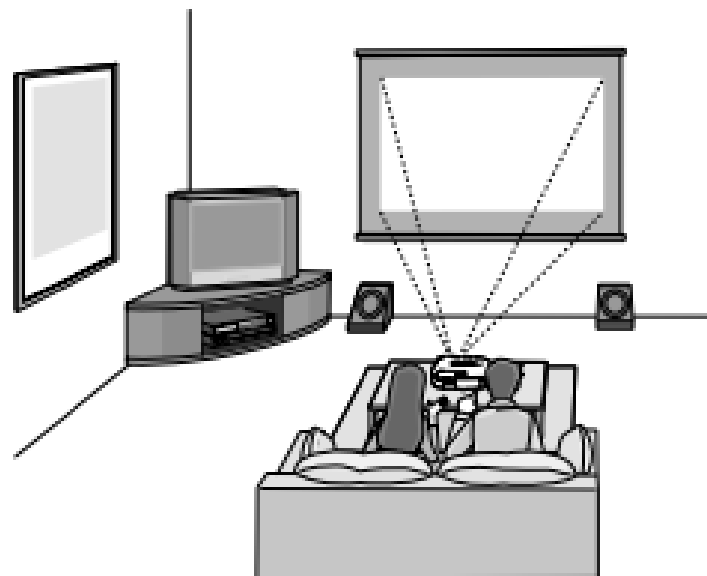
- Avoid placing plastic products or other heat sensitive items next to or below the projector to avoid the risk of deformation and discoloration;
- Avoid placing the projector on the unstable and vibrating surface;
- Avoid placing the projector on carpets, blankets, towels and other soft goods;
- Avoid placing the projector in the places with direct sunlight;
- Avoid placing the projector in dusty and highly humid areas;
- Avoid placing the projector near speaker, TV, radio and other devices producing magnetic force and heaters;
- After long-term use, dust and dirt will gather in and around the air inlet with fans, thus causing the projector malfunction. Therefore, please check whether the air inlet accumulates dust before each use. If any, please clean it with soft dry cloth;
- Avoid the air inlet being blocked when placing the projector, or it may

shorten the lifespan of the light source unit;

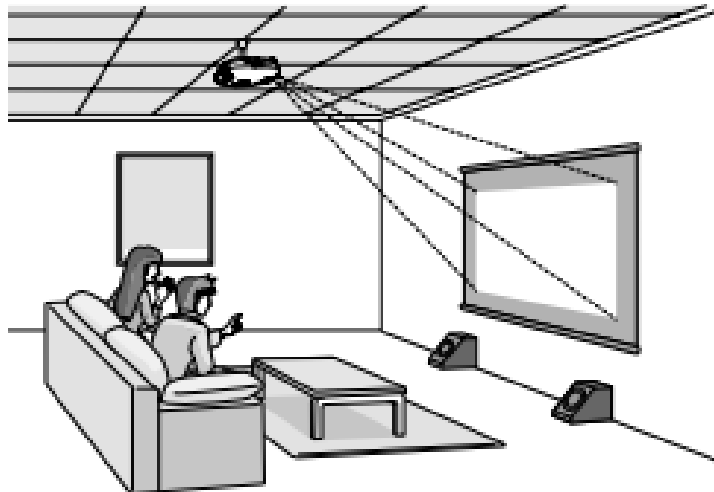
- The air discharged from the air conditioner will blow the heat discharged from the projector lens, causing the heat wave in projection. If this case happens, please adjust the air from the air conditioner or move the projector;
- Please place the projector in a horizontal position. Don't tilt or place the projector sideways when using, or it may cause malfunction.



● **The condition of front desk projection**



● **The condition of ceiling projection**






Basic Operations

Turn on and turn off the projector





- **Notice for AC power**
 - Use AC power cord attached with the projector;
 - Use AC power whose output voltage accords with the rated voltage of the projector;
 - Don't share a power supply socket with other devices;
 - If using extension line, make sure the rated current of the extension line is adapted for the power of the projector;
 - Don't use bundled power cord;
 - Don't place articles on the power cord or step on it;
 - Don't pull the power cord and take the plug when pull off;
 - Please use near and convenient power socket, so as to be able to unplug the power cord of the projector whenever necessary.

1. Connect the projector and the power socket with attached AC power cord;
2. When power cord is inserted into the power socket, the power button at the top of the projector will become orange, which means the projector is powered on and bootable.

● Turn on the projector

1. Press  the (power) button on the top of the projector or on the remote controller to turn on the projector, and then the color of  the (power) button will change from orange to blue;
2. When the Android system starts, the system status indicator () will become blue.

● Turn off the projector

1. Press  the (power) button on the top of the projector or on the remote control to turn off the projector;
2. After press  the (power) button on the top of the projector or on the remote control, the confirmation message of “Shutdown, Forced shutdown” will appear in the centre of the screen.
 - If you don't shut down the power, the confirmation message will automatically disappear in 5 seconds or you can press the “Esc” button to close the confirmation message;
 - The message of “Shutdown” means the Android system will be turned off normally;
 - The message of “Forced shutdown” means the Android system is powered off without conducting the normal process of shutdown, which may result in system damage or file missing;
3. Check and make sure that the color of  (power) button on the top of the projector changes to orange and after the Android system status indicator ()

goes out, and then unplug the AC power cord from the outlet.

Option of information language

When the projector is turned on for the first time, the default language is Chinese. If you need to change the language, you will be subjected to the following steps (the operating steps of projector and remote control are consistent):

1. Press “Menu” button;
2. Press “▲” or “▲” button to select the “Machine setting 1”, and then press “Menu” button;
3. Select your desired language and press “Menu” button to confirm.

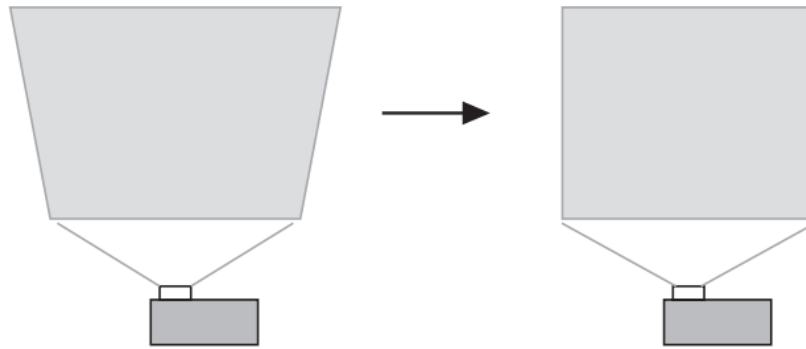
Option of input source

When you start the projector, the input source used before the last shutdown will be the first choice and you can operate the following steps to select other input sources:

1. Press “Source” button;
2. Press “▲” or “▼” button to select the name of input source you want, and then press “Enter” button to confirm.

Keystone correction

When there is a certain angle between the projector and the screen or white wall, the top and bottom lengths of projected image are different. This phenomenon is known as “keystone”. This projector is equipped with manual keystone correction function so that the shape of projected image is tidy. As follows:



- **Operation on the remote control:**

Press “Keystone+” (▽) or “Keystone” (◁) buttons to correct the keystone.

- **Operation on the projector:**

1. Press “Menu” button;
2. Press “▲” or “▼” button, select the “Picture setting” and press “Enter” button;
3. Select the “keystone” and press the button of “ ” or “◀ ” to correct;
4. After the correction, press “Menu” button to exit the operation.

Useage of 3D function

- **Start the 3D function**

After starting the 3D film source, operate with a remote control. Press “3D” button, select the appropriate film source mode of “left-right mode” or “top-down mode”, and then press “Enter” button to start the 3D function

- **2D TO 3D**

After starting the 2D film source, press “3D” button with remote control to select “2D TO 3D”, and then press “Enter” button to start 2D TO 3D function

- **Transition of 3D left/right eye**

If you feel discomfort or the picture is without a 3D effect, you can operate with a remote control. Press “3D L/R” button to adjust

● **Close the 3D function**

Press “3D” button with a remote control, select “2D”, and then press “Enter” button to close 3D or 2D TO 3D function.

Usage of setting options

During the image projection, press “Menu” button and the setting options will be displayed on the screen. The setting options can be used to match various settings of projectors. The specific list is as follows:

● **List of setting options**





Main menu	Submenu
Image adjustment 1	Brightness
	Contrast
	Color balance
	Recovery menu defaults
Image adjustment 2	Vertical position
	Horizontal position
	Adjust clock frequency
	Phase
	Recovery menu defaults
Volume adjustment	Volume
	Recovery menu defaults
Picture setting	Keystone
	Projection method

	Ceiling projection
	Start picture
	Aspect ratio
	Blank picture
	Recovery menu defaults
Input setting	Signal name indicator
	Recovery menu defaults
Machine setting 1	Eco mode
	Auto shutdown
	Language
	Recovery menu defaults
Machine setting 2	Focusing
Operation information	Input signal
	Signal name
	Horizontal frequency
	Vertical frequency
	Scanning system
	Using hours of light
Fully recovery defaults	Software version
	Fully recovery defaults

Maintenance

The unit of light source

If the light source point is off, you must contact your dealer or HOLATEK

Indicator	Definition description		
	Power	Orange	Power adapter is plugged for starting up
		Blue	The projector is started and available
	Over-temperature Warning	Off	Temperature of projector is normal
		Red	Temperature of projector is abnormal and turned off automatically
	System status	Off	Android system is not started
		Blue	Android system is started and available
	Wifi status	Off	Wireless network is out of service
		Blue	Wireless network is on and available

authorized service centre and commission them to replace it. However, please note that due to the problems caused by disassembling or transforming projector arbitrarily are not included in the scope of warranty and HOLATEK does not provided free repair.

Troubleshooting

If there are any problems with the projector, please check the followings:

● Projector fails to boot up

Cause	Solution
The power cord is not plugged	Plug one end of the AC power cord into the power connector and the other end into an outlet (if there is a switch, make sure it is on)

● No pictures

Cause	Solution
Incorrectly select input signal	Select the input signal correctly through “Source” button on the projector or on the remote control
The projector doesn’t connect with the equipment of input signal correctly	Check the connection
The signal source of video is off or is connected wrong	Turn on the signal source of video and check whether the signal line is connected correctly

● Image blur

Cause	Solution
The lens is not focused correctly	Adjust the focal length of shot through the regulating stem on the top of the lens
Projector and screen are not aligned	Adjust the angle and direction of projecting. If necessary, adjust the height of projector

● Remote control failure

Cause	Solution
Low battery	Replace the battery

There is a barrier between remote control and projector	Remove the barrier
The remote control is too far away from projector	The distance from remote control to projector is not exceeding 8 meters (26 feet)

Attention!

- **Please try the following operations and maybe the projector will return to normal:**
 - **Pull out AC cord and wait for at least 10 minutes;**
 - **Plug AC cord and turn on the power again.**
- **If the projector still fail in retuning normal, please send it to the dealer or HOLATEK authorized service centre.**

Specifications

All specifications are subjected to change without notice



HOLATEK-A3 3D LED Smart Projector & TV

(LED portable projector, recreational projector, household projector)

● Optical parameter

Projection technology		DLP
Displayed chip		Digital Light Procession Projection Technology of Texas Instrument of America
Lightness		1000 Lumen
Contract ratio		2500:1 2500:1
Resolution	Recommended resolution	1280*720
	Maximum	1920*1080P
Type of light resource		LED
LED power		30W
LED life	Normal mode	20,000 hours
	Eco mode	30,000 hours

● Projection parameter

Methods of zooming		Manual zooming
Effective focal length		14mm
Projection distance		0.5m to infinite
Projection ratio		1.2
Projection size		17-300 inches (38"@1m)
Projection methods		Front projection, back projection and ceiling
Screen proportion		16:10 16:9 4:3
Color amount		1.07 billion colors
Trapezoid correction	Vertical	±40 degree
Scanning frequency	Horizontal	31-99KHz 31-99KHz
	Vertical	48-120Hz 48-120Hz

Computer compatibility	480i, 480p, 576i, 576p, 720p,1080i,1080p	
Video compatibility	NTSC, PAL, SECAM	
Loudspeaker	2W(double loudspeakers)*2	
● Android parameter		
Android	V4.2	
CPU	Dual-Core	
GPU	Mali400MP2 *2	
RAM	1GB DDR3	
Hard disk	8GB ROM	
Audio function	Multichannel high-fidelity audio	
Ethernet	RJ-45	
WLAN	Support 802.11b/g/n Support 802.11b/g/n	
Bluetooth	Bluetooth TM v4.0	
● Interface parameter		
Power interface	DC Jack (12V/5A) *1	
Input terminal	HDMI *1	
Output terminal	Audio Jack *1	
USB	USB2.0 *2	
OTG	OTG *1	
● Electrical specifications		
Product noise	Normal mode	35dB
	Eco mode	26dB
Power	Normal mode	50W
	Eco mode	<1W
Power performance	DC12V, 5A	
Product weight	1.3kg	
● Random accessories		
Packing list	3D LED Smart Projector & TV *1	

		Remote control *1
		Alternating current power line *1
		USB line *1
		User manual *1
		Guarantee card *1
Warranty information	Warranty policy	Enjoy nationwide quality assurance and the three guarantees service
	Term of quality guarantee	1 year
	Service hotline	400-662-0138 Monday to Friday: 9:00-18:00
Company name: Holatek Science and Technology Development Co., Ltd Company address: Room 1001, Unit 4, Building B, Kexing Science Park, Keyuan Road, Central Area of High-tech Park, Nanshan District, Shenzhen City		
Disclaimer If the configuration of the projector is modified, the latest official configuration shall prevail.		

Warranty and copyright information

● Warranty

HOLATEK warrants the product against any defects in material and workmanship under normal usage and storage.

Proof of purchase date will be required with any warranty claim. In the event the product is found to be defective within the warranty period, HOLATEK will assume the obligation to replace any defective parts (labor cost included) for you. If any defects are found, to obtain warranty service, you shall immediately notify the dealer from whom you purchased the machine.

Important notes:

The above warranty shall be void if the customer fails to operate the product in accordance with the instructions of the User Manual of HOLATEK, especially the provisions that ambient humidity must be in-between 20% and 80%, altitude shall be lower than 3,000 m, and avoiding operating the projector in a dusty environment. This Warranty gives you specific legal rights, and you may have other rights which vary from country to country.

● Copyright

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● Disclaimer

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FCC Information and Copyright

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,

uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference

to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.