CHiQ Laser Theater

For Home Installation

JUN0.018.3069 V1.0

Please read carefully before using

1. Packaging Overview

The packing box of this machine contains the following items. Please check carefully whether the following items are complete. If there are any missing items, please contact your local distributor.

Main unit ×1	Product user manual ×1	Remote control×1 （with AAA battery 1 pair）
Power cord×1	HDMI cable ×1	Lifting screws×4

	Prompt Information
①	Please note that product accessories may be increased or decreased due to product upgrades; the appearance of remote control shall be subject to the real object.
②	Due to differences in product application in each country (region), the product accessories may vary in some countries (regions)

2. Product Introduction

2.1 Product Specification

Product Specification Parameters						
Product Model	B6U	Movement System		Android Intelligent Movement		
Display	Laser light source +DLP technology	Network connection		Wired network + wireless network		
Resolution	3840×2160	Method of remote		Bluetooth		
Recommended Display Size	100"	Built-in speakers		10W×2		
		Implementation standard		Q20541230-8.154-2019		
Power Supply	AC 100-240V, 3.6A, 50-60Hz	Body size (approx.)		485mm×325mm×135mm		
Port	LAN ×1 COAX ×1 AUDIO OUT×1 VGA AUDIO IN ×1 VGA INPUT×1 USB×2 HDMI ×2	Net weight of main unit		9.7Kg		
		Environment	Run	Temperature		0~35℃
				Relative humidity		20%~80%
			Storage	Temperature		﹣20~50℃
				Relative humidity		20%~80%
🗨	This device contains a radio transmission module with model approval code: CMIIT ID：2019AP1584					

2.2 Appearance   100"

2.2.1 Main Unit Structure

Figs. 1 to 4 Structure

Fig. 1 45° left top

Fig. 2 Front top

Fig. 3 Rear view

Fig. 4 30° bottom view

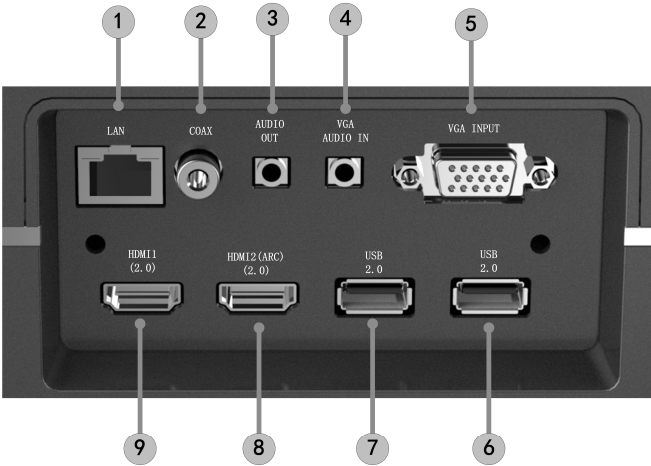| Main Unit Structure	
No.	Name
①	Ventilation mesh
②	Voice emitting hole of built-in speaker
③	Infrared protective sensor
④	Light emitting hole
⑤	Power key and indicator
⑥	Ventilation mesh
⑦	Port
⑧	Power input
⑨	Anti-theft lock hole
⑩	Height adjusting Kickstand
⑪	Lifting screw hole

2.2.2 Ports

Fig. 5 Port

> 💬 As the starting current of USB mobile hard disk is big, when the file in USB mobile hard disk is playing in the device, please do not plug another USB mobile hard disk into/out other USB interfaces, so as to avoid damaging the device or causing other malfunctions.

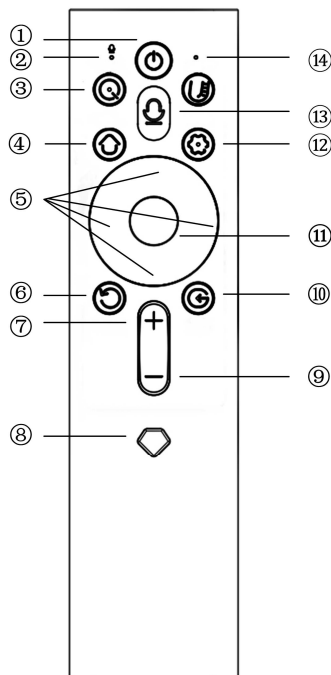| Port		
No.	Name	Function
①	LAN	For wired network connections
②	COAX	The "coaxial output" mainly provides the transmission of digital audio signals and can be connected to an external sound system
③	AUDIO OUT	Provide output of analog audio signal (L/R)
④	VGA AUDIO IN	For connection with output of analog audio in video playback equipment (e.g L/R, Audioout)
⑤	VGA INPUT	For connection with computers or other devices with VGA ports (input ports)
⑥	USB 2.0	For connection with USB devices, such as flash disk, mobile hard disk drive, etc
⑦	USB 2.0	For connection with USB devices, such as flash disk, mobile hard disk drive, etc
⑧	HDMI2(ARC) （2.0）	For connection with external devices with HDMI ports (ARC)
⑨	HDMI1（2.0）	For connection with external devices with HDMI ports

2.2.3 Remote Control

Fig 6 Remote Control

No.	Name	Function
		Keys and Functions
①	Power key	Standby switch
②	Reserved key	Function not defined
③	Reserved key	Function not defined
④	Home key	Short press this key to call up the main scene; long press this key to call up the list recently used
⑤	Up/Down /Left/Right	When a menu is displayed, it is menu Up/Down/Left/Right; When the media plays without menu, the function defined by the system is executed
⑥	Return key	Return to the previous menu
⑦	Volume + key	Volume up
⑧	Reserved key	Function not defined
⑨	Volume -	Volume down
⑩	Program key	Open the selection menu of program
⑪	OK key	Enter the page of selection
⑫	Menu key	Short press this key to open the setting menu in program and local media; under any scene, long press this key to call up all setting menus
⑬	Reserved key	Function not defined
⑭	Indicator	Indicating the response status of the key

Matching of remote control

Bluetooth remote control is adopted in this device, the remote control can be used after being matched with the device. When starting up the device for the first time and the main unit is not matched with the remote control, please match by the following the steps as below.

a． Press the "ON/OFF" key of main unit to start up the device;

b． Carry the remote control towards the device and hold it within 50 cm right ahead the main unit, press the "Menu" key and "Volume -"key at the same time and hold for more than three seconds;

c． Remote control indicator will flash quickly and the remote control will enter the matching mode;

d． When the remote control indicator lights up for long and the screen will display as Fig 7, loosen the keys and wait for connection;

e． The indicator of remoter control will go out, and the tip of "Match succeed" is displayed on the screen, that means the matching is completed;

f． The remote control can be used to control the device only when the matching is completed. In case the matching is failed, it is required to make the matching again.
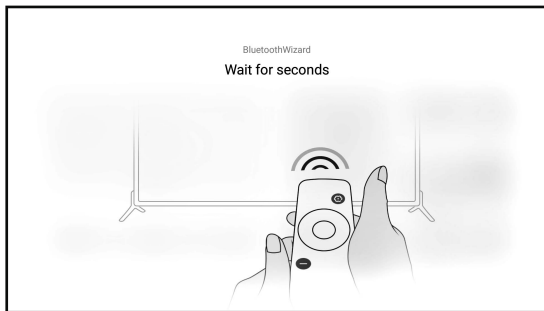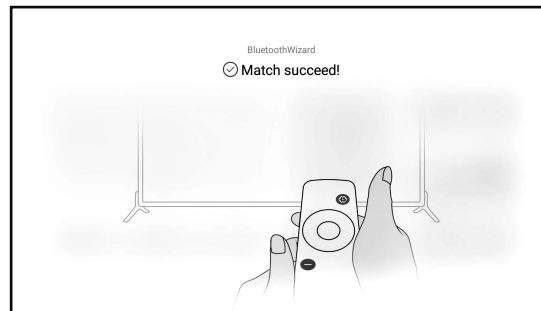

Fig 7 Matching

Fig 8 Matched

3. Installation and Commissioning

3.1 Installation

According to different application scenarios, the machine supports four installation methods: desktop front projection, desktop back projection, lifting front projection and lifting back projection.

3.1.1 Installation Method

The display mode (front desktop, rear lifting, front lifting and rear desktop) needs to be changed and set from the OSD menu due to different applications.
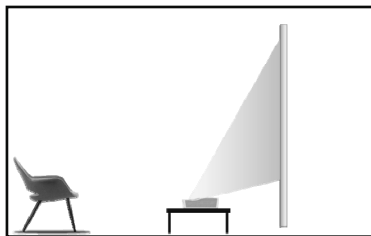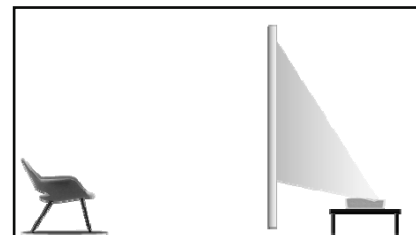

Fig. 9 Desktop Front Projection
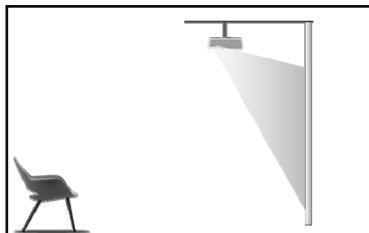

Fig. 10 Desktop Rear Projection
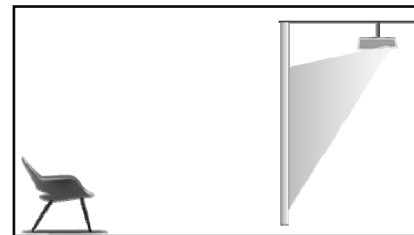

Fig. 11 Lifting Front

Fig. 12 Lifting Rear

3.1.2 Screen Size and Installation Distance

The distance between the main unit and the screen is proportional to the image size. The closer the main unit is to the screen, the smaller the image size will be; vice versa. The following is a brief description of the relationship between screen size and installation distance, with the desktop front projection as an example. Please refer to the following data to determine the approximate installation distance.

Screen size and installation distance(For Reference only)				Unit: mm
Screen Size	Width of Display Area	Height of Display Area	Projection distance①	Height from main unit to screen②
80"	1771	996	102	199
90"	1992	1121	148	230
100"	2214	1245	195	261
110"	2435	1370	241	293

Fig. 13 Installation distance

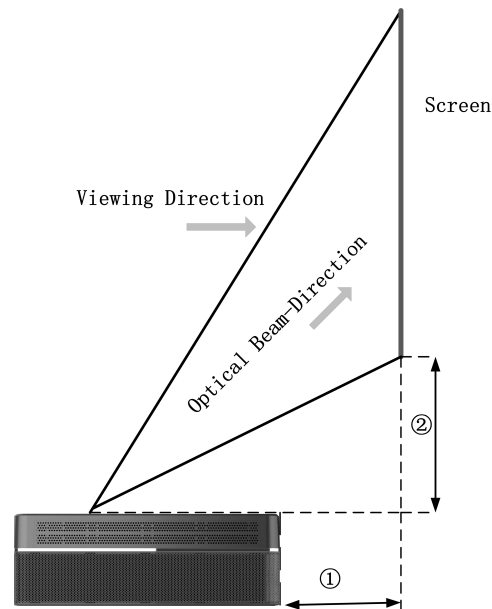|	Prompt Information		
①	"①" in Fig. 13 is the distance between the back end of the main unit and the screen	②	"②" in Fig. 13 is the height of the top of the main unit relative to the bottom of the screen
③	It is suggested that the viewing distance should be more than 1.5 times of the diagonal length of the screen. Long-term close watching of the screen may affect vision	④	The above data are for users' reference only. Please be noted that there may be deviations in actual use

3.2 Picture Adjustment

3.2.1 Adjust Image Position

This section takes the installation method of desktop front projection as an example to explain the picture adjustment for users' reference.

a. Connect the power supply and start the main unit;

b. According to the picture display, adjust the size and position of the picture by moving the main unit forward, backward, left and right or rotating the height adjustment kickstand.

3.2.2 Focus Adjustment

a. Call up the electric focusing screen through the user menu: long press the "Menu" key of the remote control → select Display Setting → select the Electric Focusing;

b. Use Up arrow and Down arrow to make rough adjustment: Use the "Up/Down" key in the remote control to select the "Up/Down" arrow→press the "OK"key time after time to adjust the image into approximately clear (judging by observing the definition in the center of the image);

c. Afterwards, use the Left arrow and Right arrow to make fine adjustment: Use the "Left/Right" key in the remote control to select the "Left/Right" arrow→press the "OK"key time after time to adjust the image definition into the optimum;

d. In case the definition still cannot reach the ideal status, it is required to repeat the step b and c.

Fig. 14 Focus adjusting image

4. Operating Instructions

4.1 Basic Settings Menu

a. Under the program source and local media, press the "Menu" key to open the "Settings" menu, and press the "Up/Down" key to cycle through the adjustment items of the first-level menu, and press the "OK" key or the "Right" key to enter the next-level menu. When any parameter adjustment option is selected, press the "OK" key to confirm the selection or enter for adjustment, and then use the arrow key and the "OK" key to adjust;

b. Under any scene, long press the "Menu" key to call up the "All Settings" menu, and press the "Up/Down" key to select various menus, and then press the "OK" key to enter;

c. The parameters such as sound, image, network, system, etc. can be set in the "Settings" and "All Settings" menus;

d. After completing the required operations, press the "return" key to return to the previous menu interface step by step, or press the "Menu" key to exit the menu directly.

4.2 System Home Page

a. Press the "Home" key to enter the "Main Scene" interface;

b. There are icons such as Setting, Source, System manager, Media etc. The home menu, can be configured according to specific requirements.

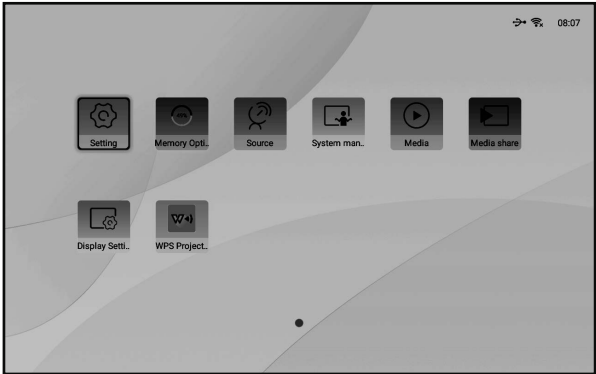| ⬛	Prompt Information
①	Some options in the user's operation interface are not selectable, displayed or hidden automatically in different models, signal sources or states
②	The user operation interface can be updated through software upgrade. If there is any difference between the user manual and the final product, the actual display shall prevail

Fig. 15 System Home Page

5. Safety Precautions

This machine contains a laser module. For your safety, please follow the following tips.

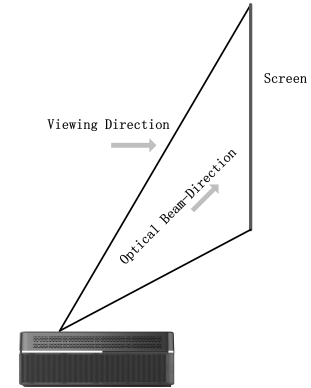| ☢	Precautions
①	Do not look directly at the bright light emitted by this machine, otherwise it may cause eye injury
②	Do not open or disassemble the machine, which may cause damage due to exposure to laser radiation
③	Do not use some optical instruments (such as magnifying glass and microscope for experiments) to observe the laser output, otherwise eye injury may be caused
④	Wear professional laser protection glasses when there is a need to have direct contact with bright light
⑤	Appropriate instructions for assembly, operation and maintenance, including preventive measures and clear warnings to avoid possible exposure to laser light and accompanying excessive radiation reaching Class 1 emission limits
⑥	For your safety, please select the right viewing direction

Fig. 16 Viewing direction

Prompt Information:

- The product is evaluated to be Class 3B according to IEC 60825-1: 2014.

⚠	Precautions
①	Do not place the machine near heat sources such as direct sunlight, radiator, fire or stove
②	When the machine is moved from a low temperature environment to a high temperature environment, condensation may occur inside the machine. Please do not use it immediately
③	In case of any abnormality or malfunction, such as no image, no sound, smoking or unusual odor, please disconnect the power supply immediately, unplug and contact our after-sales service personnel to open the machine for inspection
④	Do not block the air vent and install the machine in a well-ventilated place to prevent the machine from overheating
⑤	Do not use flammable materials such as books and cardboard to block the light beam emitted by the machine. Flammable materials may melt or ignite objects or even cause fire when exposed to the light beam for a long time
⑥	Do not place the machine directly in areas with poor ventilation such as carpets, cushions, bookshelves or closets.
⑦	To facilitate ventilation, please ensure that the distance between the ventilation opening of the machine and the wall is greater than 30cm
⑧	Do not place flammable spray or other flammable substances beside this machine
⑨	If there is a gas leak, please do not touch or switch the wall socket. Open the window immediately for ventilation
⑩	Do not touch or wipe the lens with hands or ordinary cleaning cloth. To remove dust from the lens, please use an ear syringe ball
⑪	When installing the machine by hoisting, professional technicians shall use corresponding professional tools for installation. Improper installation may cause the machine to fall, thus causing personal injury or damage to the machine
⑫	Please contact your dealer or Changhong After-sales Service Center for inspection, adjustment or maintenance. Non-professional operation may cause electric shock or damage to the machine

6. Recycling

♺	It indicates that packaging materials can be recycled, please do not discard them at will
⑩	It indicates that the environmental protection service life of the product is 10 years under normal working and using conditions, and the product can be used safely within the environmental protection service life
💬	In order to protect the environment, used batteries and products can be recycled by regular dealers or manufacturers. Please do not discard them at will

7. Warranty Service

Dear user,

    Thank you for your favor to CHANGHONG products! Please fill in the warranty card timely and accurately to ensure that you can get better service after purchasing the product. In the future using process, if there is product failure or you have any comments/suggestions, please contact us through authorized local dealers:

    Or you can reach us directly by visiting our website: laser.changhong.com

    About after-sale service including installation, service and maintenance, the local country/region laws and authorized local dealer's policy shall prevail.

Regards,
Sichuan Changhong Electric Co., Ltd.

Please paste the purchase invoice and local dealer's warranty service guarantee terms card here.

—————————————————————————————

Warranty
a. During the warranty period, if there is any fault caused by the product quality issues, you can enjoy maintenance service with the completed service warranty card and purchase invoice;
b. Please properly keep the service warranty card and the purchase invoice as the warranty certificate;
c. The warranty will automatically become invalid once the service warranty card and the purchase invoice are altered;
d. Matters not covered shall be implemented with reference to relevant national/regional laws and regulations or industry regulations.

Under any of the following circumstances, the warranty service will not be applicable, and you will be provided with charged maintenance services:
a. Exceeding the validity period;
b. Damage caused by improper use, maintenance and storage;
c. Damage caused by dismantling by unauthorized persons;
d. Lack of warranty card and invoice (unless the product can be proved that it is within the validity period);
e. Altering the warranty card without authorization;
f. The product model or number of the warranty card does not conform to the actual goods.

In case of any changes in the list above, the newly formulated relevant regulations of the company or the relevant laws and regulations updated by the country/region shall prevail.

Warranty Card

Date of Installation: _____/_____/_____

User name		Tel	
Address			
Machine model		Shopping mall	
Invoicing date		Invoice No.	
Body barcode			

Service Status: □ Screen Installation and Commissioning □ Mount Installation and Commissioning □ Separate Onsite Debugging

Please confirm the wall properties for screen installation: □ Solid Brick Wall □ Hollow Wall Brick □ Wooden Wall □ Other

The appearance of the machine and the electrical performance are in good condition after installation: □ normal □ abnormal

User Satisfaction Survey: □ Satisfied □ Not Satisfied

User signature:

Authorized Dealer Information