

APP Full-color Animation Light

MODEL:ZQ03268



Please read this user manual carefully before using the unit for the first time to help you learn how to use it more quickly!

I. Warm Tips

Thank you for choosing our company's products. We solemnly promise that each product has undergone strict quality control before being released to the market to ensure optimum performance. After receiving the product, please carefully open the package and check all the contents and spare parts to ensure that the product has not been damaged in transit and is intact. If you find any damage or missing items, please contact us in good time and we will deal with it as soon as possible.

Packing List

Fixture	1PCS
Power Cord	1PCS
User Manual	1PCS

II. Warning

- i. Before any installation or maintenance work on this lamp, please make sure that the power supply has been cut off.
- ii. Before using this lamp, please make sure that there are no flammable and explosive materials in the scene to avoid danger. At the same time, ensure that the working environment of the lamp is well ventilated and the temperature is suitable.
- iii. The light source of the lamp has strong energy. Do not shine the light source directly into the eyes to avoid eye injuries. The light source output window may become hot during operation. Do not touch it to avoid burns.
- iv. Please keep the lamp away from children and non-professionals.
- v. Do not shake the lamp at will when using it, and do not operate it roughly when installing or using it.
- vi. The distance between the lamp and the illuminated object must be more than 0.5 meters, and away from open flames.
- vii. Please use appropriate and safe wires to connect the lamp.



FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

Note: 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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

III. Menu Function Operation Instruction



Menu	Value	Description
ADDE	001-512	Address code setting, DMX Mode/slave mode
SHOW	SH-0	SHOW 0 All programs are played randomly
	SH- 1	SHOW 1 Line effect program play
	SH- 2	SHOW 2 Animation effect program play
	SH- 3	SHOW 3 Built-in text program play
	SH- 4	SHOW 4 Christmas pattern program play
	SH- 5	SHOW 5 Outdoor scene program play
	SH- 6	SHOW 6 Personalized programming program play
	SH-7	SHOW 7 Hand-painted graffiti program play
SPEED	SP 0-SP 9	SP 0-9 Program play speed from slow to fast
SOUND	S-ON	ON: Voice control is on, and the program is played in voice control mode (only SHOW 0, SHOW 1, SHOW 2, SHOW 4, and SHOW 5 support voice control)
	S-OFF	OFF: Voice control is off, and after voice control is off, the program is played in automatic mode
SENSE	SE 0-SE 9	SE 0-9 Voice control sensitivity from low to high

IV. DMX Chanel Table

Chanel	Value	Description
CH1	0-9	Light off
	10-255	Light on
CH2	0-69	White-red-blue-pink-cyan-yellow-green (fixed color selection)
	70-79	Overall color change (speed controlled by CH3)
	80-89	Pattern initial color (speed controlled by CH3)
	90-92	Colorful rainbow (speed controlled by CH3)
	93-110	2-segment color selection 4 value steps (speed controlled by CH3)
	111-131	3-segment color selection 4 value steps (speed controlled by CH3)

	132-149	4-segment color selection 4 value steps (speed controlled by CH3)
	150-182	8-segment color selection 4 value steps (speed controlled by CH3)
	183-218	16-segment color selection 4 value steps (speed controlled by CH3)
	219-253	32-segment color selection 4 value steps (speed controlled by CH3)
	254-255	Color gradient (speed controlled by CH3)
CH3	0-9	No color change
	10-127	Color forward, speed from slow to fast
	128-255	Color reverse, speed from slow to fast
CH4	0-24	Built-in static graphics group 1 (basic geometric pattern)
	25-49	Built-in static graphics group 2 (basic geometric pattern)
	50-74	Built-in static graphics group 3 (edge bright spot pattern)
	75-99	Built-in static graphics group 4 (dot pattern)
	100-124	Built-in static graphics group 5 (Christmas pattern)
	125-149	Animation group 1
	150-174	Animation group 2
	175-199	Animation group 3 (no effect)
	200-224	Animation group 4 (no effect)
	225-255	Animation group 5 (no effect)
CH5	0-255	Pattern selection (pattern grouping is controlled by CH4)
CH6	0-1	No function
	2-206	Built-in dynamic effect single selection, one effect for every 2 values (color CH2 control, CH2=0 default color, speed CH7 control)
	207-216	Line effect random play (color CH2 control, CH2=0 default color, speed CH7 control)
	217-226	Animation effect random play (color CH2 control, CH2=0 default color, speed CH7 control)
	227-236	Christmas effect random play (color CH2 control, CH2=0

		default color, speed CH7 control)
	237-246	Outdoor effect random play (color CH2 control, CH2=0 default color, speed CH7 control)
	247-255	All effects random play (color CH2 control, CH2=0 default color, speed CH7 control)
CH7	0-1	System default speed
	2-255	Manual adjustment Built-in effect speed from slow to fast
CH8	0-255	Manual pattern size selection
CH9	0-15	Pattern size selection
	16-55	Speed selection from small to large
	56-95	Speed selection from large to small
	96-135	Size scaling speed selection
	136-175	Two-point irregular cycle scaling
	176-215	Three-point irregular cycle scaling
	216-255	Four-point irregular cycle scaling
CH10	0-127	Rotation angle selection
	128-191	Forward rotation speed selection
	192-255	Reverse rotation speed selection
CH11	0-127	Vertical flip position selection
	128-255	Vertical flip speed selection
CH12	0~127	Horizontal flip position selection
	128-255	Horizontal flip speed selection
CH13	0~127	Horizontal position selection
	128-255	Horizontal circular movement, speed from slow to fast
CH14	0-127	Vertical position selection
	128-255	Vertical circular movement, speed from slow to fast
CH15	0-1	No function
	2-255	Wave amplitude and speed adjustment (amplitude from small to large, speed from slow to fast, one gear for every 32 values, 8 gears in total)
CH16 (Only	0-1	No function
	2-63	Manual gradual drawing 1

supports static images)	64-127	Manual gradual drawing 2
	128-153	Automatic gradual drawing (clockwise from slow to fast)
	154-179	Automatic gradual drawing (counterclockwise from slow to fast)
	180-205	Automatic gradual drawing (increase first and then decrease - reverse direction)
	206-255	Automatic gradual drawing (increase first and then decrease - same direction)

V. Software Installation (Android APP/Apple APP)

(You need to grant the software permission to access Bluetooth and positioning, otherwise it will not work properly)

(1) Android APP

(install in one of the following two ways, choose one)

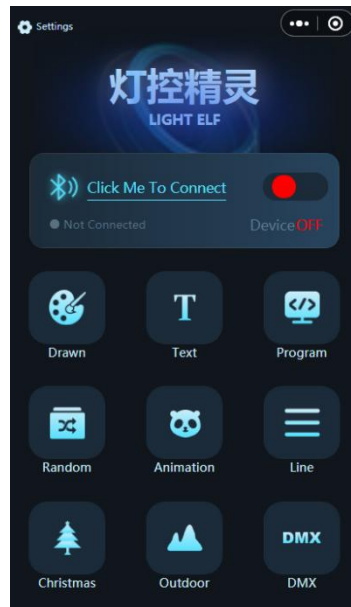
- ①Android APP download and installation address:<https://www.lanzouh.com/s/lightelf>
- ②Log in to Google Play Store and search for "LightElf" to install.

(2) Apple APP

Search for LightElf in Apple's official App Store and install it.

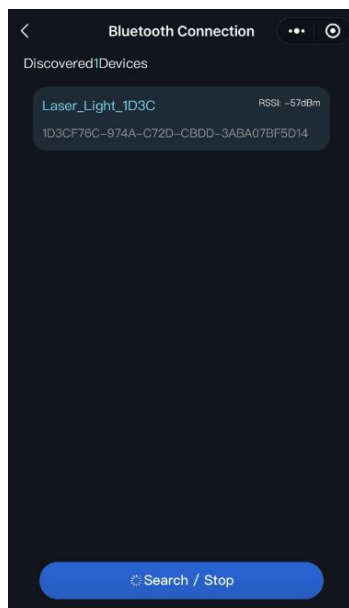


(3) The main interface after the software is successfully started is as shown on the right



VI. Connecting Devices

- i. Please connect the device to the power supply before use.
- ii. Open the software and click "Click Me To Connect" on the main interface.
- iii. Select Laser_Light_xxxx in the Bluetooth list.
- vi. Successfully connected to the device.



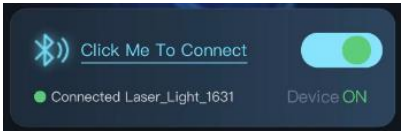
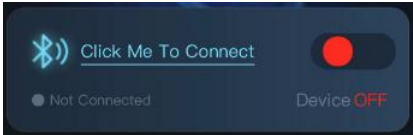
VII. Software Setup

- i. The device address code, display range and XY related parameters can be set.
- ii. The menu language of the software can be changed at the bottom.



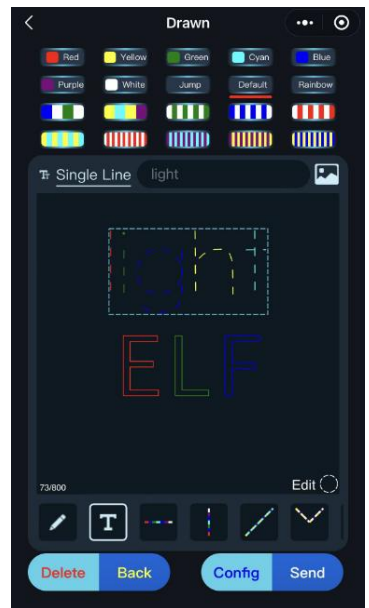
VIII. Opening and Closing

- i. Click the switch button on the right side of the main interface, and the words "Device ON" will be displayed after it is turned on.
- ii. Click the switch button on the right side of the main interface, and the words "Device OFF" will be displayed after it is turned off.



IX. Introduction To The Hand-Drawn Graffiti Function

- Click the hand-drawn graffiti menu in the main interface to enter. Here you can control the display effect of the device by manually drawing patterns, entering text, uploading LOGO pictures or selecting built-in patterns.
- A Color selection: The upper part of the interface is the color selection area. Click different color buttons to select the color of the laser drawing.
- B Pattern drawing: The middle part of the interface is the pattern control area. In this area, you can do the following operations.



i. Manual Pattern Drawing

- ① Click the icon to switch to the manual pattern drawing function.
- ② Use your finger to draw the pattern you want in the middle large screen area.

ii. Text Input

- ① Click the icon to switch to the text input function.
- ② Enter text in the input box.
- ③ Use your finger to drag and drop in the middle of the screen.
- ④ You can also choose different fonts on the left side of the input box.

iii. Select a Built-In Pattern

- ① Slide the pattern list to view all built-in patterns.
- ② Click on the pattern and drag it in the middle of the screen with your finger.



iv. Use a Simple Logo With Clear Lines

- ① Click the icon  and select a logo image.
- ② You can zoom and move the image to make the logo area fully displayed.
- ③ Click the "Recognize Pattern" button.

④ Click the OK button after the image is successfully recognized.

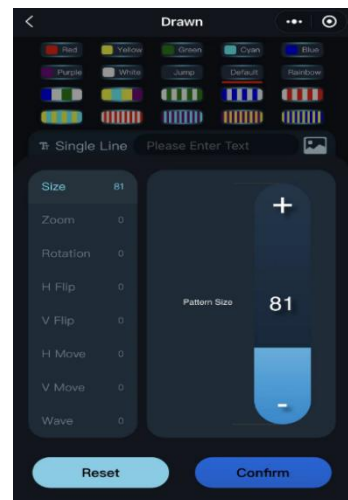
Note: The default stroke mode recognizes the edge lines of the pattern; In addition, there is a pattern skeleton extraction mode; users can switch modes by themselves to achieve the best effect.

v. Pattern Editing

- ① Select a pattern: Click the small edit circle  in the lower right corner of the middle area, then slide your finger on the drawn pattern to select it.
- ② Move The Pattern: Move your finger in the middle area, and the selected pattern will move with it.
- ③ Scale The Pattern: Use two fingers to slide relative to each other in the middle area, and the selected pattern will scale with it.
- ④ Change The Color: Click the button in the color selection area above, and the selected pattern will change color with it.
- ⑤ Delete The Pattern: When the pattern is selected, a delete button  will appear in the lower left corner, click it to delete the pattern.

Vi. Graphics Operation And Parameter Configuration

- ① The Clear and Back buttons can be used to clear the drawn pattern, and the pattern can be redrawn after clearing.
- ② Click the Configure button to configure the parameters, configure the size, rotation angle, flip, horizontal and vertical movement of the graphic, click the parameter to be configured on the left, slide up and down on the right to change the parameter value, and click the OK button to save the parameter.
- ③ After the pattern is drawn, click the Send button to display the pattern effect on the device.



X. Text Playback Function Introduction

Click the text playback menu in the main interface to enter. Here you can set the text display effect, which supports up to 100 characters.

The upper part is the color selection area. Click the corresponding button to select the color of the text. The middle part is the text setting area.

- ①Click on the left to select the font.
- ②The middle is the text input box.
- ③The number on the left of the text input box indicates the current text group.
- ④Click the "+" on the right side of the input box to add a text group, supports up to 4 groups.
- ⑤Click the playback time of the group to modify the time.
- ⑥After entering the text, click the preview button in the lower left corner, you can generate a preview effect in the middle of the screen.
- ⑦Click the send button to display the text effect on the device.

i. Four Configuration Parameters In The Following Part

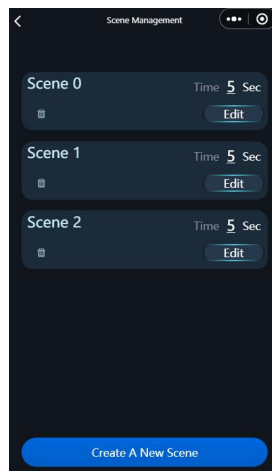
- ①Text accuracy: Adjust the text display accuracy to achieve the best effect. Some models do not support this function.
- ②Text size: Adjust the text size to change the size of the text displayed on the device.
- ③Display viewing distance: Adjust the display area size (used for projection distance adjustment).
- ④Water flow speed: Adjust the water flow speed to change the speed at which the text moves from left to right. When set to 0, the text is stationary and does not move.

XI. Personalized Programming

Click on the personalized programming menu in the main interface to enter. By editing the pattern of each scene, the device will play in sequence according to the programmed scenes to meet your personalized needs. It can support up to 20 scene editing.

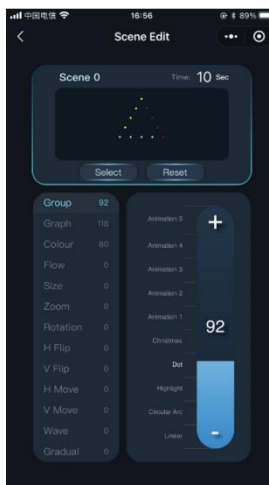
i. Scene Management

- ① Click the Add Scene button at the bottom of the page to add a new scene.
- ② Click the Delete icon on the left in the scene list to delete the scene.
- ③ Click the number on the right in the scene list to modify the duration of the scene.
- ④ Click the corresponding Edit button in the scene list to enter the scene editing page.

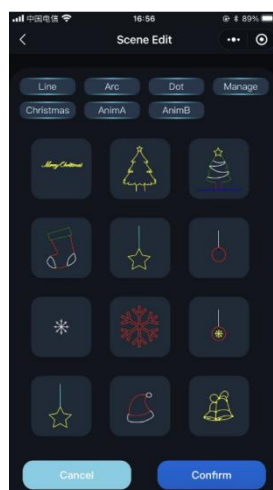


ii. Scene Editing

- ① Click the Select Graphics button at the top of the page to pop up a selection interface for various graphics, including 7 groups, including dynamic graphics. Click a graphic to see the effect of the graphic in real time on the device. Click the OK button to save the selection.



- ② You can also select a graphic by modifying the channel parameters below. Select a graphic group or graphic in the channel menu on the left, and slide up and down on the right slide to select.
- ③ In addition to graphic selection, you can also set different display effects. Just select the parameters on the left and slide up and down on the right slide to select.



XII. Built-In Program Playback

The system has hundreds of built-in lighting programs for you to choose from, and

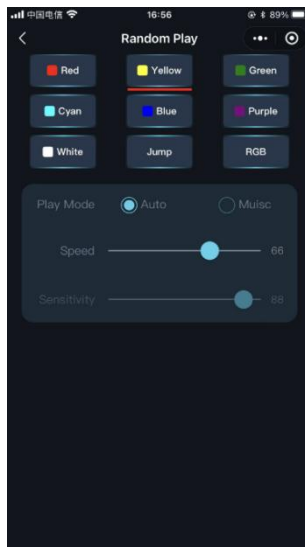
you can play them by clicking without any editing. You can play all the built-in programs randomly, or specify a program to play.

i. Random play: All programs are played randomly

① Click on the random play menu in the main interface to enter.

② Click the color button above to select the color .

③ The play mode supports two modes: self-propelled and voice-controlled. The slider below can adjust the self-propelled speed and voice-controlled sensitivity.



ii. Line playback, animation playback, Christmas playback outdoor program playback

① Click the corresponding program menu in the main interface to enter

② Refer to the random play page for the color and play mode settings in the program

③ Select loop to indicate that the 50 programs in this category will be played in sequence.

You can also select some of the programs to play, just click to play the program.

