

J5 BLUETOOTH LASER LIGHT PRODUCT MANUAL

STARSHINE
— LIGHTS —

STARSHINE LIGHT PRODUCT MANUAL

1. INTRODUCTION

Thank you for choosing the Starshine J5 5W 30KPPS Bluetooth Laser Light – a professional stage laser light designed for dynamic live events, concerts, and corporate shows. This manual provides comprehensive guidance on the features, installation, and operation of the J5, ensuring that you achieve optimal performance and stunning visual effects every time.

2. SYSTEM OVERVIEW

The Starshine J5 integrates advanced laser projection technology with Bluetooth connectivity for easy control and flexible operation. Key features include:

- **Vibrant Visuals:** Delivers crisp, dynamic laser imagery for impactful stage presentations.
- **Multiple Operating Modes:** Supports DMX-512, Auto, Music/Voice, and ILDA modes.
- **Intuitive User Interface:** Features an LCD display panel with bilingual (English/Chinese) menu navigation.
- **Robust & Reliable:** Engineered for high-performance live events, ensuring safety and durability.

3. LCD DISPLAY & LED INDICATORS

3.1 LCD Display Panel

The J5's LCD panel allows you to access various operational menus for configuring settings such as playback speed, scan rate, color modes, and more. Use the Select/Menu knob to navigate the menus and press OK/Return to confirm your selections.

3.2 LED Indicator Status

The LED indicators on the front panel provide immediate feedback on the system's status:

- **Laser Key RG:**
 - **Slow Flash (Red & Green):** Indicates the laser lock status.
- **Safety Protected Indicator:**
 - **Red ON / Green OFF:** Activates light protection mode.
- **DMX & Slave Mode:**
 - **Fast Flash (Red & Green):** Device is operating in DMX Slave Mode.
- **Auto Mode:**
 - **Green Slow Flash:** Auto Mode is active.
- **Music Mode:**
 - **Red Fast, Green Steady:** Indicates voice activation mode.
- **ILDA Mode:**
 - **Green Fast Flash:** ILDA Interface Mode is active.

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4. MENU NAVIGATION

The J5's user-friendly menu is divided into multiple levels for streamlined configuration:

4.1 Level 1 – Function Mode

Select one of the following modes:

- DMX-512 Mode: Standard DMX operation.
- Auto Mode: Self-propelled operation.
- Music Mode: Voice-activated control.
- ILDA Mode: ILDA interface operation.

4.2 Level 2 & 3 – Detailed Settings

Key settings accessible through the menu include:

- Show Listing: Browse and select programmed laser shows.
- Play Setup: Adjust playback speed and choose between Loop and Random play modes.
- Address Setup: Configure the device address code.
- Channel Setup: Set DMX channel parameters (Normal or Expert mode).
- Laser Setup: Fine-tune parameters including:
 - Scan Rate: e.g., 20 KPPS.
 - Color Setup: Choose single or mixed color modes (RGB, RBP, etc.).
 - Laser Type: Select between TTL and Analog modulation.
 - Image Size & Position: Adjust projection dimensions and placement.
- General Setup: Access system settings including Reset, Safety Protection, Master Setup, Backlight, Language, Display Orientation, and System Version.

5. DMX-512 CHANNEL CONFIGURATION

The J5 supports two DMX-512 operational modes. Below are the tables for the Standard (10 Channels) and Professional (18 Channels) modes.

5.1 Standard Mode (10 Channels)

Channel	Function	Value Range	Description
CH1	Power	0; 1–255	0 = Off; 1–255 = Light ON (1–100% brightness)
CH2	Strobe	1–255	Controls strobe speed
CH3	Pattern Size	0–255	Pattern selection (large to small)
CH4	Horizontal Position	0–255	128 = center (active when CH3 > 0)
CH5	Vertical Position	0–255	128 = center (active when CH3 > 0)
CH6	Pattern File	0–255	Select pattern file from library
CH7	Color	0–63; 64–95; 96–127; 128–159; 160–191; 192–223; 224–255	Fixed color selection and effect speed adjustments
CH8	Scanning Speed	0–127; 128–255	0–127 = line scanning; 128–255 = spot scanning
CH9	Pattern/Effect Library	0–255	Select pattern/effect library (increments of 8 values)
CH10	Trigger	0–26; 27–127; 128–255	Default self-run speed, walking speed, or voice sensitivity



5.2 PROFESSIONAL MODE (18 CHANNELS)

Channel	Function	Value Range	Description
CH1	Power	0; 1–255	0 = Off; 1–255 = Light ON
CH2	Strobe	1–255	Controls strobe speed
CH3	Pattern Size	0–255	Pattern selection from large to small
CH4	Horizontal Position	0–255	128 = center
CH5	Vertical Position	0–255	128 = center
CH6	Pattern File	0–255	Select pattern file from library
CH7	Color	0–63; etc.	Fixed color and effect speed selection
CH8	Scanning Speed	0–127; 128–255	Line scanning (0–127) or spot scanning (128–255)
CH9	Pattern/Effect Library	0–255	Select pattern/effect library
CH10	Trigger	0–26; 27–127; 128–255	Settings for self-run, walking, or voice activation
CH11	Rotate Z	1–127; 128–255	Z-axis rotation (angle and speed selection)
CH12	Rotate X	1–127; 128–255	X-axis rotation (angle and speed selection)
CH13	Rotate Y	1–127; 128–255	Y-axis rotation (angle and speed selection)
CH14	Horizontal Movement	1–127; 128–255	Horizontal shift position and speed
CH15	Vertical Movement	1–127; 128–255	Vertical shift position and speed
CH16	Zoom	1–127; 128–255	Zoom size and speed selection
CH17	Gradual Drawing	1–255	Gradient drawing speed selection
CH18	X/Y Wave	1–127; 128–255	X and Y wave effect speed selection

6. INSTALLATION & OPERATION

6.1 Setup

1. Mounting:
2. Securely install the J5 on a stable surface, ensuring it is positioned to minimize direct exposure to adverse environmental conditions.
3. Connectivity:
4. Connect the power supply and, if applicable, your DMX controller.
5. Initial Calibration:
6. Use the LCD display panel to configure initial settings based on your venue and event requirements.

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6.2 Operation

- Menu Navigation:
 - Rotate the Select/Menu knob to access the operational menus. Press OK/Return to confirm your selection.
- Mode Selection:
 - Choose the desired operating mode (DMX-512, Auto, Music, or ILDA) according to your event needs.
- Customization:
 - Adjust parameters such as scan rate, color, image size, and position via the respective menus.
- Safety:
 - Always adhere to safety protocols, including the establishment of safe zones for the audience.

7. TROUBLESHOOTING & MAINTENANCE

- Troubleshooting:
 - Monitor LED indicators for error signals. Refer to the troubleshooting guide for specific error codes and their resolutions.
- Maintenance:
 - Regularly inspect the J5 for dust, moisture, and any signs of wear. Clean the unit as per the maintenance guidelines to ensure optimal performance and longevity.

8. CONTACT & SUPPORT

- For product support, software updates, or warranty inquiries, please visit our website or contact our support team:
 - Website: www.starshinelights.com
 - Email: service@starshinelights.com

Thank you for choosing Starshine. We are committed to delivering innovative laser technology and exceptional support to help your events shine bright.



3. MECHANICAL & ENVIRONMENTAL

- **Ingress Protection:** Fully sealed housing (IP 65 equivalent)
- **Dimensions:** 19 cm × 14 cm × 12.5 cm (L × W × H); with carrying handle: 17.5 cm height
- **Net Weight:** 2 kg
- **Recommended Applications:** Stage productions, DJ rigs, event discos, nightclubs, bars, and other entertainment venues.
- **Warranty:** 1 year

•Introduction to control system

1. Software installation (WeChat applet/Android APP/Apple APP)

(**You need to grant the software permission to access Bluetooth and positioning, otherwise it cannot be used normally**)

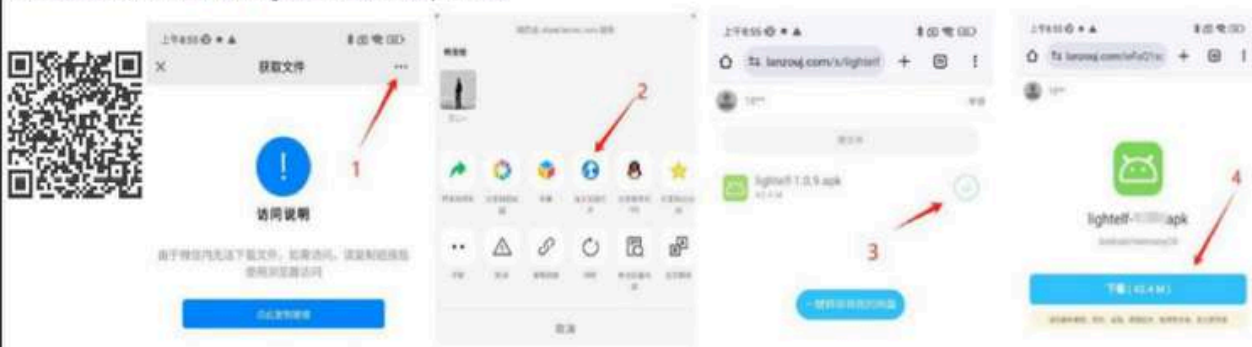
2. Open WeChat applet and scan the QR code below to use it.



2.Android APP

1) Android mobile APP download address: <https://www.lanzouh.com/s/lightelf>

Or use WeChat to scan the QR code and choose to open the download in the default browser. There is no need to register a network disk account during the download process.



2) Log in to Google Play Store
Search for "LightElf" to install



3.Apple APP

Searches for LightElf in Apple' s official App Store and installs it.

4.After the software starts successfully, the main interface is as shown on the right.



Connecting laser light equipment

1.Please turn on the laser light device before use

2. Open the software and click "Click me to connect" on the main interface

3. Select Laser_Light_xxxx in the Bluetooth list

4. Successfully connect to the device



1.Software settings

1.The address code, display range and XY related parameters of the laser light device can be set .

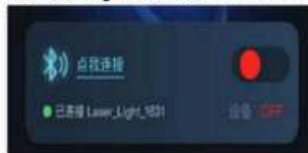
2. The menu language of the software can be changed at the bottom.



2.Turn the laser on and off

1.Click the switch button on the right side of the main interface. When it is turned on, the word "Device ON" is displayed .

2.Click the switch button on the right side of the main interface. When it is turned off, the word "Device OFF" is displayed.



3.Introduction to the hand-drawn graffiti function

Click the hand-drawn graffiti menu in the main interface to enter. Here you can manually draw patterns, enter text, upload LOGO images


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 .

A.Draw patterns: The middle part of the interface is the pattern control area. In this area you can do the following operations




1.Manually draw patterns

1)Click the  icon to switch to the manual pattern drawing function

2)Use your finger to draw the pattern you want on the middle large screen area 

3)You can also click on the icon to add a picture background to make drawing easier

2.Text input

1)Click the  icon to switch to the text input function

2)Enter text in the input box 3) Use yourfinger to drag and drop in the middle of the screen

4) You can also select different fonts on the left side of the input box

(Note: The font library of the mini program version is limited, and some texts or symbols may not be displayed. Included, if you need a more complete font library, it is recommended to choose the app version)


Select the built-in pattern

1)Slide the pattern list to view all built-in patterns

2)Click on the pattern and drag it with your finger in the middle of the screen



B.Use logo images. It is recommended to use logo images with clear lines and simple patterns.

1.Click the icon and select a logo picture 

2.The image can be zoomed and moved to display the logo area completely

3.Click the "Recognize Pattern" button

4.Click the OK button after the image recognition is successful 5.

Note: The default stroke mode, this mode recognizes the edge lines of the pattern; in addition, the pattern Skeleton extraction mode; users can switch modes to achieve the best results




Pattern editing

1.Select the pattern: Click the small edit circle on the lower right side of the middle area. 

2.Then slide your finger on the drawn pattern to select it. 3. Move the pattern: Move your finger in the middle area, and the selected pattern will move accordingly.

4. Scale the pattern: Use two fingers to slide relative to each other in the middle area. The selected pattern will be scaled accordingly.

5. Modify the color: Click the button in the color selection area above, and the selected pattern will change color accordingly.

6. Delete the pattern: When the pattern is selected, a delete button will appear on the lower left , click to delete the pattern 

D.Graphic operation and parameter configuration

1.The clear and back buttons can clear the drawn pattern. After clearing, the pattern can be redrawn.

2. Click the configuration button to configure parameters,configure the size, rotation angle, flip, horizontal and vertical movement of the graphic, left Click the parameters to be configured, slide up and down on the right side to change the parameter value, and click the OK button to save the parameters.

3. After the pattern drawing is completed, click the Send button to display the pattern effect on the device.



Introduction to text playback function

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

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

B. The middle part is the text setting area (as shown in the picture below)

1. Click on the left to select the font
2. The middle is the text input box
3. Text The number on the left side of the input box indicates the current text group.
4. Click the "+" on the right side of the input box to add a new text group. Up to 4 groups are supported.
5. Click the playback duration of the group to modify the time.
6. After the text input is completed Click the preview button in the lower left corner to generate a preview in the middle of the screen Effect
7. Click the send button to display the text effect on the device .

C. There are three configuration parameters in the following part

1. Text accuracy: adjust the text display accuracy to achieve the best effect. Some models do not support this function
2. Text size: Adjust the text size to change the size of the text displayed on the device
3. Display viewing distance: Adjust the size of the display area (adjust the projection distance)
4. Water flow speed: Adjust the water flow speed to change the movement of text from left to right Speed, when set to 0, the text will stay still and not move.



Personalized programming

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

A.Scene management

- 1.Click the New 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 playback duration of the scene.
- 4.Click the corresponding edit button in the scene list to enter the scene editing page



B.Scene editing

- 1.Click the Select Graphic button at the top of the page and the pop-up Various graphic selection interfaces, a total of 7 groups These include motion graphics. Click on a picture, You can see the graphic in real time on the device Effect. After selecting, click the OK button to save.
- 2.You can also choose by modifying the channel parameters below Graph, select graph in the channel menu on the leftshape grouping or figure and slide up and down on the right side Slide to select
- 3.In addition to graphic selection, you can also set For the same display effect, just select the parameters on the left and slide up and down the skateboard on the right.





STARSHINE LIGHTS PRODUCT MANUAL



Built-in program playback

The system has built-in hundreds of lighting programs for you to choose from, and they can be played without any editing clicks. All built-in programs can be played randomly or specified programs can be played.

A. Random play: All programs are played randomly

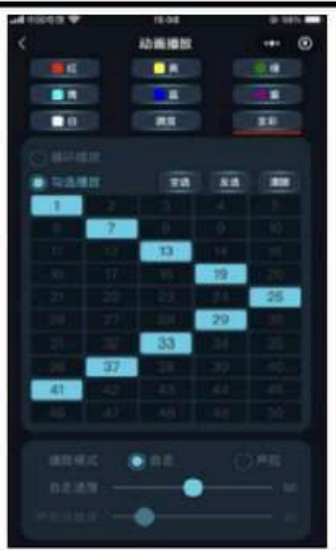
1. Click the random play menu in the main interface to enter
2. Click the color button above to select the color of the laser
3. The playback mode supports both self-propelled and voice-controlled modes. The slider below can adjust the self-propelled speed and voice control.

Sensitivity



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

1. Click the corresponding program menu in the main interface to enter
2. For the color and play mode settings in the program, please refer to the random play page.
3. Select Loop to indicate that the 50 programs under this category will be played in order. You can also check to play some of the programs and just click to play the program



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STARSHINE LIGHTS PRODUCT MANUAL

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Care instructions

1. Try to prevent dust, dirt and smoke oil from being artificially laid or even flowing into the lamp body, and try to keep the use environment of the laser performer as clean as possible;
2. Please use professional glass cleaners and clean the reflective lenses with velvet cloth regularly every month to ensure Obtaining the maximum brightness output of the laser can also extend the service life of the light source.

Warranty Terms

1. During the warranty period, if a malfunction occurs due to the use of this product under normal conditions, this warranty can be repaired according to the content of this warranty.

Card repair and ticket purchase samples (copies) can be used to enjoy free repair services at designated service centers or production plants.

2. During the warranty period, paid maintenance services will be implemented in the following situations.

- (1) A valid warranty card cannot be issued;
 - (2) There are omissions, alterations and no sales name on the warranty card;
 - (3) Failure or damage caused by force majeure;
 - (4) Failure and damage caused during transportation and handling;
 - (5) Failure or damage caused by failure to follow the instructions for use;
 - (6) Failure or damage caused by disassembly, repair, or modification of the product without authorization from the manufacturer or by non-professionals.
 - (7) Failures caused by the use of control systems not approved by our factory or not supported by our factory.
 - (8) The normal consumption range of consumables (such as the formal attenuation of the light source)
3. Please keep this warranty card properly and will not replace it if lost.

•Statement: 1.

When this product leaves the factory, its performance is intact and its packaging is complete. All users should strictly abide by the warnings and operating instructions stated above. Any damage caused by misuse is not covered by the company's warranty, and the manufacturer is not responsible for faults and problems caused by ignoring the operation manual. 2. The company has the right to interpret the relevant matters stated in this manual