LightElf (WeChat Mini Program & App) User Manual

i. Software installation (WeChat mini program /Android / IOS APP)

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

1. **WeChat mini program：**
   Open WeChat, in the mini program scan the QR code below to use it

2. **Android App (Choose one of the following two installation methods)**

   1) 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.
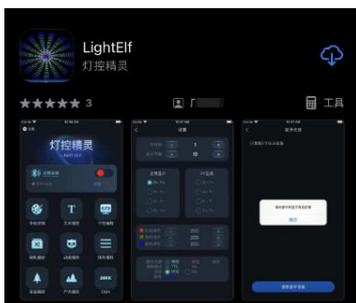

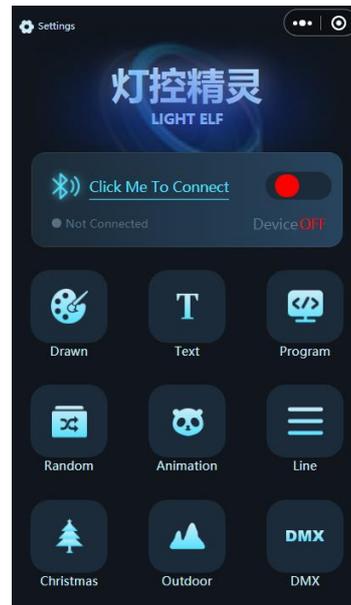   2) Log in to the Google Play Store and search for "LightElf" to install it

1. **IOS APP**
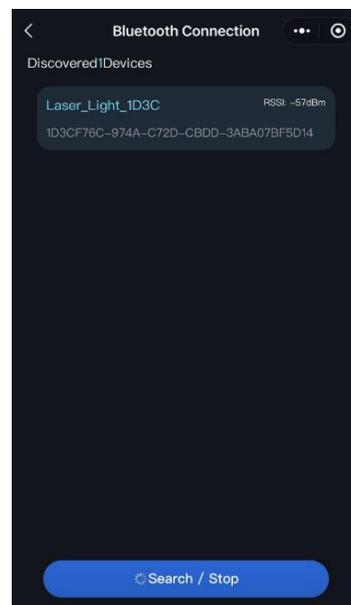   Search for LightElf in Apple's official App Store and install it.

2. After the software starts successfully, the main interface is as shown on the right.
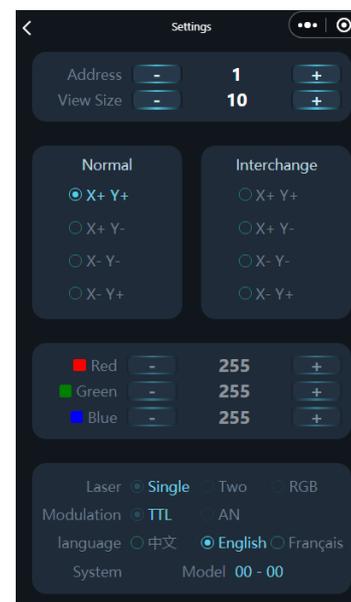
ii. Connect laser light equipment

1. Please turn on the laser light equipment 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
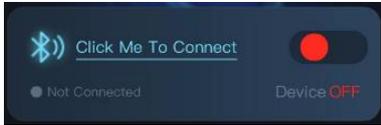**4.** Successfully connected to device

iii. 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

iv.   Turn the laser on and off

1. Click the switch button on the right side of the main interface. After turning it on, the words "Device ON" will be displayed.
2. Click the switch button on the right side of the main interface. After closing, the words "Device OFF" will be displayed.

v.   Introduction to 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, or selecting built-in patterns.
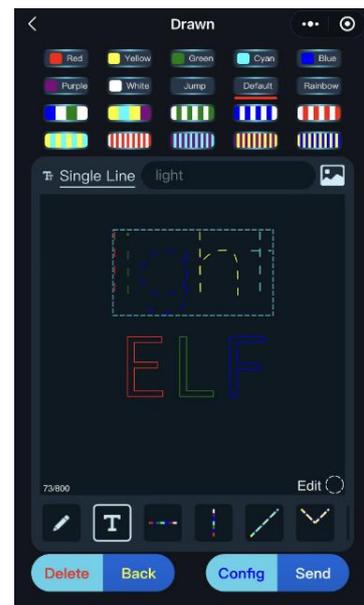
A. Selection of color： The upper part of the interface is the color selection area. Click the different color buttons to select the color of the laser drawing.

B. 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 drawing pattern function
2) Draw the pattern you want in the middle large screen area with your fingers
3) You can also click the icon [🖼] to add the picture background to make the drawing easier

2. **Text input**

1) Click the icon [T] to switch to the text input function
2) Enter text in the input box
3) Use your fingers 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: Mini Program Version the font library is limited, some text or symbols may not be included, if you need a more complete font library, it is recommended to select the APP version)

3. **Select the built-in pattern**

Sliding pattern list View all built -in patterns
After clicking the pattern, you can drag and drop with your fingers in the middle of the screen

C. Use logo images to generate patterns

1. Click the icon , select a logo picture
2. Actable and moved pictures make the logo area display complete
3. Click the "Identification Patterns" button
4. After the picture recognition is successful, click the OK button
5. Note: The default edge mode, the edge line of the pattern of this mode;
6. In addition, the pattern skeleton extract mode; the user can switch mode by itself to achieve the best effect

D. Pattern editing

1. Select the pattern: click the editor's small circle at the bottom right of the middle area, then slide your fingers on the pattern drawn and you can choose
2. Mobile pattern: The finger moves in the middle area, and the selected pattern moves with it
3. Scaling pattern: Use two fingers to slide in the middle area, and the selected pattern will be zoomed in
4. Modify the color: click the button in the color of the above color to select the button in the area, and the selected pattern will change the color
5. Delete the pattern: When the pattern is selected, the delete button will appear at the bottom left , click to delete the pattern

E. Graphic operation and parameter configuration

1. Clear and retreat buttons can be cleared on the drawn patterns. After clearing, you can re -draw the pattern
2. Click the configuration button to perform the parameter configuration. The size, rotation angle, flipping, horizontal vertical motion of the graphic, the parameter of the configuration on the left side, the up and down on the right side to change the parameter value, click the OK button to save the parameters for saving the parameters to save
3. After the pattern is drawn, click the sending button to display the pattern effect on the device
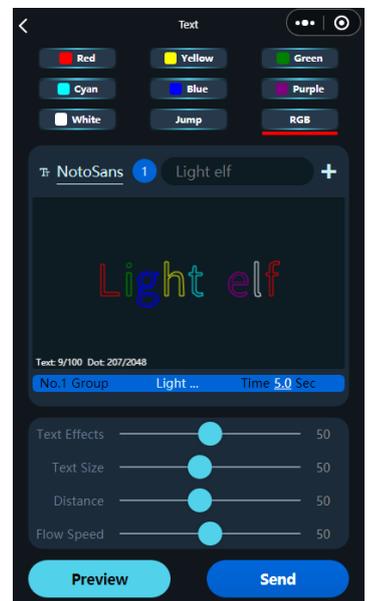
vi.   Text playback function introduction

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

A.   The above part is the color selection area, click the corresponding button to select the color of the Chinese text

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

1. Click to select fonts on the left
2. In the middle of the text input box
3. The number on the left side of the text input box represents the current text group
4. Click "+" on the right side of the input box to add text grouping, support up to 4 groups
5. Click the time of the group playback time 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 sending button to display the text effect on the device

C. There are four configuration parameters below

1. Text accuracy: regulate text display accuracy to achieve the best effect, Some models do not support this function
2. Text size: adjustment text size can change the size of the text on the device
3. Display vision: adjust the display area size (the projection distance is long and near adjustment and use)
4. Flowing speed: The speed of adjusting the flowing speed can change the speed of the text from left to right.
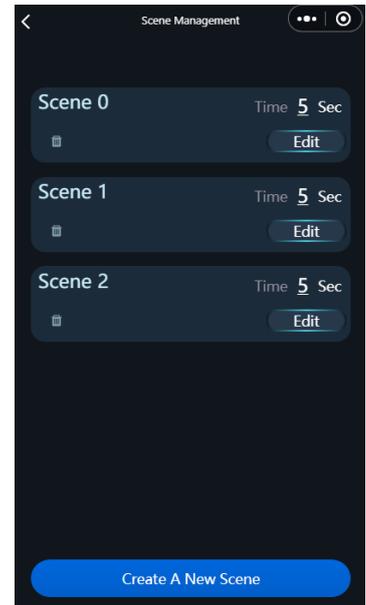
vii.   Personality programming

**Click the personalized programming menu to enter in the main interface.
By editing the pattern of each scene, Let the laser equipment be played in order
to meet your personalized needs in order to meet your personalized needs.
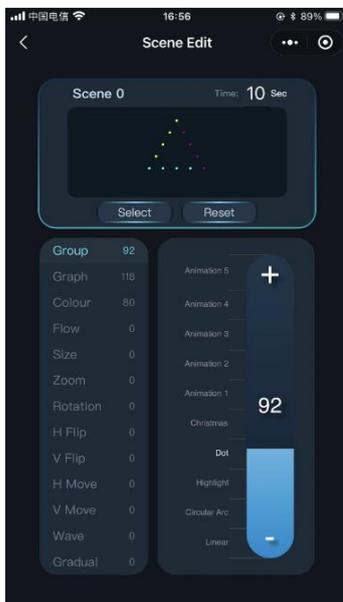A maximum of 20 scene editors can be supported**.

A. Scene management

1. Click the new scene button at the bottom of the page
2. Click the deletion icon on the left in the scene list to delete the scene
3. Click on the number on the right in the scene list to modify the duration of the scene playback
4. Click the corresponding editor button in the scene list to enter the scene editing page

B. Scene editing

1. Click on the top of the page to select the graphical button to pop up the selection interface of various graphics, a total of 7 groups, this includes dynamic graphics. Click a certain picture the shape can be seen in real time on the device effect. Select to complete the click OK button to save.
2. You can also select the channel parameters below to select graphic, select the picture in the channel menu on the left form group or graphic, and on the right skateboard swipe to select
3. In addition to the graphic selection, you can also set it the same display effect, just select the parameters on the left and then slide on the right skateboard.

viii.   Built -in program playback

The system has built -in hundreds of light programs for you to choose from, you can play without any editors. You can play all the built -in programs or specify the program playback.

A. **Random playback: All programs are randomly played**
1. Click the random playback menu in the main interface to enter
2. Click the color button above to select the color of the laser
3. Play mode supports the sliding rods below the two modes of self -walking and voice control can adjust the speed and the sensitivity of the voice control

B. **Line playback, animation playback, Christmas playback, outdoor show playback**
1. Click the corresponding program menu in the main interface to enter
2. The color and playback mode settings in the show refer to the random play page
3. Select the cycle to indicate that the 50 programs under this classification will be played in order
4. You can also check and play some of the programs, just click to play the show