



# Shenzhen Sperll Optoelectronic Technology SP621E Mini Bluetooth Music Pixel LED Controller User Manual

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# SHENZHEN

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### SP621E Mini Bluetooth Music Pixel LED Controller

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#### Features:

1. Support APP control;
2. Support automatic device connection and automatic re-connection when the APP turns on;
3. Support multiple devices grouping control;
4. Two sound collection methods: phonemic, player streaming;
5. Support modifying the device name, calibrating the RGB channel sequence, and timer function;

6. Compatible with the common single-line LED driver IC on the market, can drive up to 600 pixels;
7. Built-in 142 dynamic effects, effect length adjustable, with favor effects collecting function;
8. Built-in 18 music effects, effect length adjustable, sensitivity adjustable;
9. DC5~24V wide voltage input, the power supply has an anti-reverse connection function;
10. Automatic saving function for setting parameters.




## App Functions:


SP621E supports being controlled by APP, both IOS and Android versions are available; Apple devices are required IOS 10.0 or later, Android devices are required Android 4.4 or later; you can search “scenes” in the App Store or Google Play to find the app, or scan the QR code to download and install.



<https://download.ledhue.com/page/scenex/>

## App Operations:

- Open the App and click the on the  upper right corner of the homepage, add devices by scanning for devices, or creating a group of multiple added devices; Click on an individual device in the device list to access the control page to control the device individually; Click on a group in the group list to enter the control page to control all devices in the group at the same time;
- Users can modify the device name and calibrate the RGB channel sequence by clicking  on the upper right corner of the operation page.
- User can set up to five timing events by clicking on  powered off. in the upper right corner, please note that all set timing events will be deleted when the controller is
- On the effects page, there are a variety of music effects and non-music effects, users can set speed, brightness color, and effect length for a specific effect.

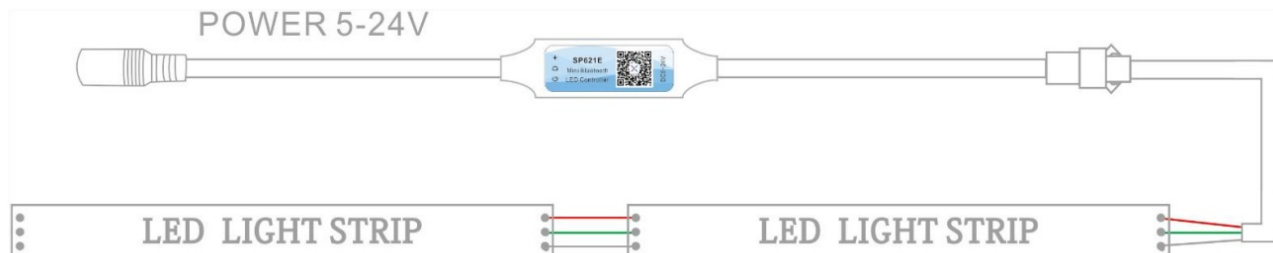
Note: The user can find more detailed information and help by clicking the  button in the top right corner.

## Technical Parameters

- Working temperature:-20~60

- Dimensions:35mm\*14mm\*7mm(Without wire)
- Working voltage:DC5V~24V
- Operating current:13mA~25mA

## Wire Connection



## FCC Warning

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.


**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.

## Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

## Documents / Resources

	<p><a href="#">Shenzhen Sperll Optoelectronic Technology SP621E Mini Bluetooth Music Pixel LED Controller [pdf] User Manual</a>  SP62X, 2ATV8SP62X, SP621E Mini Bluetooth Music Pixel LED Controller, Mini Bluetooth Music Pixel LED Controller</p>
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