

USB Dreamcolor Neon Light Strip User Manual (Print Version)

1. Product Overview

1.1 Product Introduction

This product is a 5V USB flexible dreamcolor neon light strip with premium silicone sleeve design, featuring uniform, soft and glare-free lighting. It supports dual control modes of Bluetooth APP and infrared remote control, enabling full-color switching, dynamic effect adjustment, stepless brightness and speed regulation. With safe DC 5V USB low-voltage power supply, it is widely applicable for indoor decoration, gaming room ambience, window display, holiday scene layout and home aesthetic lighting.

1.2 Product Configuration

Full set includes: Flexible neon light strip × 1, USB smart controller × 1, infrared remote control × 1, connecting wire. This manual serves as the official specification document for the complete product.

1.3 Product Specifications

Item	Specification
Input Voltage	DC 5V (USB port, compatible with adapter, computer, power bank)
Lighting Type	Addressable RGB Dreamcolor
Waterproof Grade	IP67 (Indoor waterproof, wipeable, do not soak)
Control Mode	Bluetooth APP + Infrared Remote Dual Control
Dimming Function	0–100% stepless brightness, adjustable speed & full gamut color

Working Temperature	-20°C ~ +45°C (indoor environment recommended)
Application	Indoor decoration, gaming room, shop window, party, homestay ambience

2. Safety Precautions

1. Only use standard DC 5V USB power supply. **Do not connect to 220V high-voltage mains** to avoid product damage and safety risks.
2. Cut off power before installation, trimming or wiring. Do not operate with power on. Non-professionals are prohibited from arbitrarily cutting or extending the light strip.
3. Designed for indoor use only. Keep away from long-term water immersion; take waterproof measures in humid environments.
4. Install on flat and clean surfaces. Avoid sharp bending (less than 90°) and repeated folding to prevent internal circuit breakage.
5. Children shall use the product under adult supervision. Do not pull the power cord or disassemble the controller without authorization.

3. Installation & Connection Steps

1. **Clean the surface:** Remove dust and oil from the installation surface to ensure firm adhesion.
2. **Fix the light strip:** Peel off the back adhesive film, paste the strip flat along the planned path, and bend gently at corners.
3. **Connect the controller:** Align and insert the light strip connector into the controller port firmly to ensure stable connection.
4. **Power on:** Insert the USB plug into a qualified 5V power source. The strip enters standby mode after power-on.
5. **Pairing:** The controller automatically enters pairing mode. It can be controlled directly by remote control or paired via Bluetooth APP.

4. Remote Control Functions

4.1 Power Control

ON: Turn on the light strip; OFF: Turn off the light strip.

4.2 Color & Auto Mode

Four quick color keys for preset solid colors; AUTO key for automatic cyclic dynamic lighting effects.

4.3 Scene Modes (M1–M8)

8 built-in dynamic modes including gradient, water flow, jumping color, strobe and other dreamcolor effects for one-key switching.

4.4 Speed & Brightness Adjustment

Upper row keys: Adjust dynamic effect speed (slow to fast). Lower row keys: Adjust overall brightness (dim to bright).

5. Mobile APP Operation

1. **Download:** Scan the QR code on the controller to install the supporting APP for iOS or Android.

2. **Pairing:** Turn on mobile Bluetooth and authorize APP permissions. The APP automatically searches and connects to the device.

3. Core Functions:

- Custom RGB color selection for static lighting;
- Adjustable gradient time, flashing frequency and running direction;
- Group control for multiple devices;
- Timed on/off function;
- Music rhythm sync: lights change with music beats and volume.

6. Dimming & Effect Settings

6.1 Static Dimming

Select fixed color via remote or APP color palette, then adjust brightness to obtain stable monochrome lighting.

6.2 Dynamic Effect Adjustment

Switch dynamic modes via M1–M8 keys, adjust speed via remote; support precise parameter fine-tuning in APP.

6.3 Music Rhythm Mode

Enable microphone permission in APP to realize real-time lighting linkage with music rhythm, suitable for entertainment and scene atmosphere creation.

7. Troubleshooting

Fault Phenomenon	Solutions
No light	Check USB power supply and port connection; re-plug the controller terminal; replace a qualified power adapter.
Remote no response	Check remote battery; aim at controller infrared receiver; avoid strong light interference.
APP cannot search device	Enable Bluetooth and APP permissions; restart the device for re-pairing; stay away from Bluetooth signal interference.
Light flickering	Use stable power adapter; check loose connectors; avoid excessive bending damage.

8. Daily Maintenance

1. Clean the light strip with a soft damp cloth; do not use alcohol or corrosive detergents.
2. Disconnect power when not in use for a long time. Roll the strip gently during storage.
3. Store in cool and dry place, avoid high temperature, direct sunlight and extrusion.

9. Certification & After-sales Service

This complete neon light strip product (including light strip, controller and remote control) has passed relevant safety and EMC certification. All dimming and control functions are included in the full product certification scope.

Under normal indoor use and compliant installation, the product enjoys **12-month warranty**. Damage caused by artificial pulling, water immersion, high-voltage burnout or unauthorized disassembly is not covered by warranty. Please contact your distributor for after-sales support.

Manufacturer reserves the right of final interpretation of product specifications and functions.

FCC Caution.

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.

Any 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.

*RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.