**NEEWER RGB2**

# NEEWER RGB2 LED Tube Light Stick User Manual

Model: RGB2 (10105093)

### INTRODUCTION

Thank you for purchasing the NEEWER RGB2 LED Tube Light Stick. This manual provides detailed instructions for the safe and efficient operation of your device. Please read this manual thoroughly before use and retain it for future reference.

### PACKAGE CONTENTS

- 1 x NEEWER RGB2 LED Tube Light Stick
- 1 x Barndoor
- 1 x USB Type-C Charging Cable
- 1 x Handle
- 1 x Silicone Corner Guard
- 1 x Carrying Bag

Image: The NEEWER RGB2 LED Tube Light Stick shown with its included accessories: barndoor, handle, USB-C cable, silicone corner guard, and carrying bag.

# KEY FEATURES

- **RGBWW Mixing Technology:** 296 full-color RGB LEDs with precise blending of red, green, blue, cold white, and warm white light.
- **Wide Color Temperature:** Adjustable from 2500K to 10000K with CRI98+ and TLCI97+ for accurate color reproduction.
- **HSI Mode:** Access 36,000 light colors by adjusting hue, saturation, and brightness via a touch bar or app.
- **18 Scene Effects:** Pre-programmed lighting effects for creative video production.
- **Long Battery Life:** Upgraded 14.4V, 43.2Wh lithium battery provides 100 minutes runtime at full brightness.
- **Fast Charging:** Type-C PD3.0 fast charging, fully charged in approximately 2.7 hours with an 18W charger (sold separately).
- **Versatile Mounting:** Includes a handle for handheld use, magnetic attachment to metal surfaces, and 1/4" threads for light stands/tripods.
- **Detachable Barndoor:** Control light spill and create shadow effects.

- **Intelligent APP Control:** Remote management of single or group lights via the NEEWER App (Infinity technology) within 49.2ft/15m.
- **Integrated Controls:** Onboard LCD and touch bar for intuitive parameter settings.

## Setup

### 1. Initial Charging

Before first use, fully charge the RGB2 LED Tube Light Stick. Connect the included USB Type-C charging cable to the light stick's Type-C port and to an 18W (or higher) USB power adapter (not included). The charging indicator on the LCD screen will show charging status. A full charge takes approximately 2.7 hours.



Image: A visual showing the internal battery capacity (43.2Wh) and the Type-C charging port with fast charging capabilities, indicating a full charge time of 2.7 hours.

## 2. Attaching the Handle and Barndoor

1. **Handle:** Screw the handle onto the 1/4" thread located at the bottom of the light stick. The handle allows for 180° adjustment.

2. **Barndoor:** Attach the detachable barndoor to the light stick. Ensure it is securely fastened to control light spill and shape the light output.
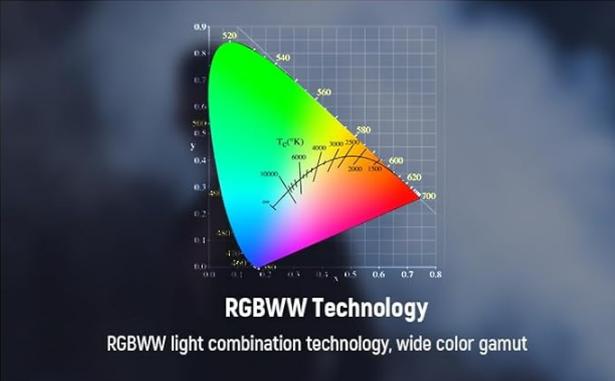


Image: The NEEWER RGB2 LED Tube Light Stick with the handle and barndoor accessory attached, demonstrating its handheld configuration.

**NEWLY UPGRADED**

Upgraded with extended battery life, illumination, and LED quantity + power supply system to produce higher illumination for a longer time.

**296pcs**
Upgraded Quality LEDs

**1860lux/0.5m**
Max. illumination

**20W**
Max. Power

Others

NEEWER RGB2

**LARGE BATTERY CAPACITY**

**43.2Wh**
Lithium Battery Capacity

**100min** ( 100% Power )
Ultra Long Battery Life

**ULTRA FAST CHARGING**

**Type C PD3.0**
Fast Charging Supported

**Approx. 2.7H**
Full Charge[ Max. 9V/2A 18W]

Image: A series of three images demonstrating how the detachable barndoor can be adjusted to control the light angle from small to large.

## 3. Mounting Options

- **Handheld:** Use the attached handle for flexible handheld lighting.
- **Magnetic:** The light stick features built-in magnets, allowing it to be securely attached to magnetic metal surfaces. Use the included silicone corner guard to protect surfaces from scratches.
- **Stand Mount:** Utilize the 1/4" thread on the light stick to mount it onto a light stand or desk tripod (sold separately).

## 3 WAY TO USE
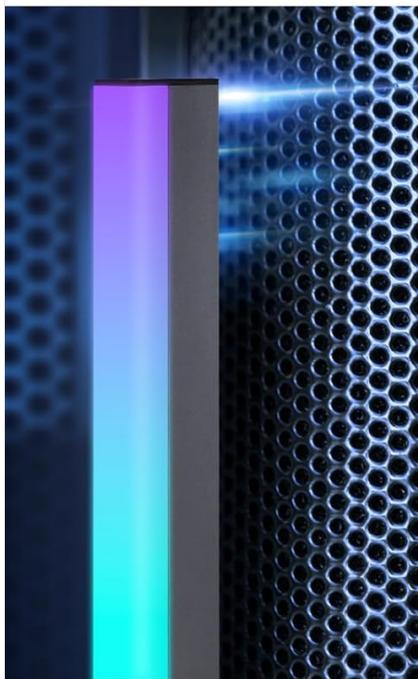
**Magnetic**

Built in magnet can be directly attached to metal and other magnetic materials. Includes a silicone cover to avoid scratches.

**Light Stand**

1/4" screw holes on each end of the light wand for easy mounting on tripods. Handle features a 5/8" screw hole at the bottom for installation on light stands.

**Handheld**

Equipped with a comfortable grip handle, it is convenient to move the fill light and achieve light painting effects.

Image: A composite image illustrating three usage scenarios: magnetically attached to a metal surface, mounted on a light stand, and held by hand.

## OPERATING INSTRUCTIONS

### 1. Power On/Off

Press and hold the power button (usually located on the side or back of the unit) to turn the light stick on or off. The LCD screen will illuminate upon power-on.

### 2. Mode Selection

The RGB2 offers multiple operating modes: CCT (Correlated Color Temperature), HSI (Hue, Saturation, Intensity), and Scene Effects. Use the mode button or navigation controls to cycle through these modes.

### 3. CCT Mode (Color Temperature)

- In CCT mode, adjust the color temperature from 2500K (warm) to 10000K (cool) using the control dial or

buttons.

- Adjust the brightness level (0-100%) using the dedicated brightness controls.
- Fine-tune the Green/Magenta (GM) compensation from -50 to +50 for precise color balance.
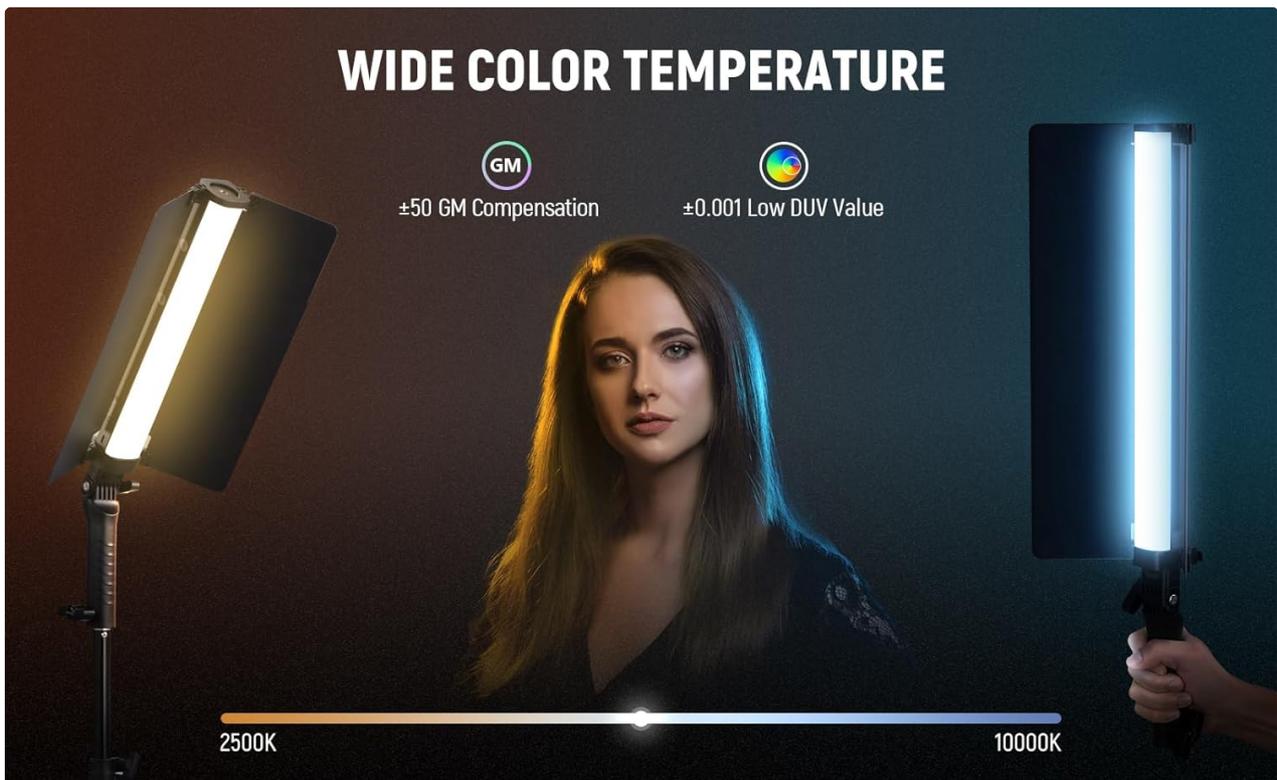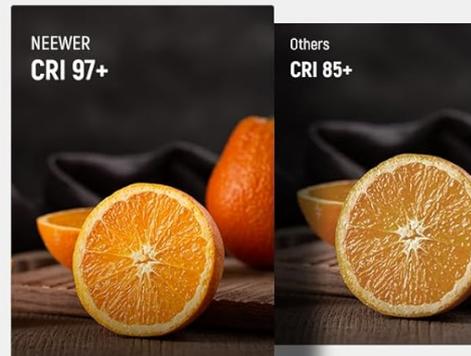


Image: A visual representation of the NEEWER RGB2 LED Tube Light Stick's ability to produce light from 2500K (warm) to 10000K (cool), with a person illuminated by both warm and cool light.

## 4. HSI Mode (Hue, Saturation, Intensity)

- In HSI mode, you can select from 36,000 colors.
- **Hue:** Adjust the color (0-360°) using the control dial or the RGB touch bar.
- **Saturation:** Control the intensity of the color (0-100%).
- **Brightness:** Adjust the overall light output (0-100%).
- A lock button is available to prevent accidental changes when using the touch bar.
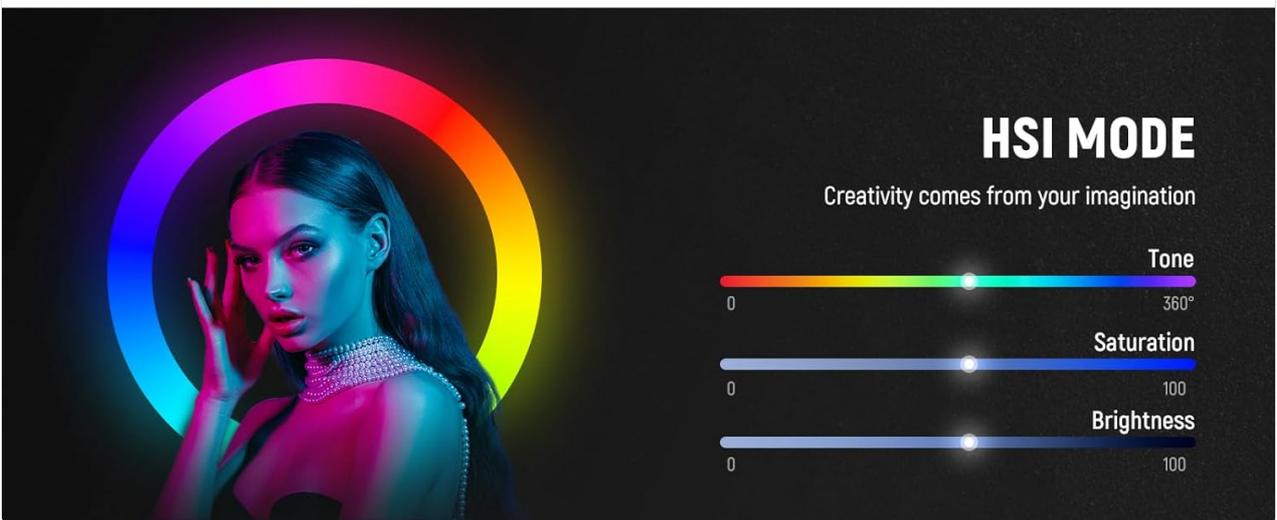
Image: A close-up of the NEEWER RGB2 LED Tube Light Stick's control panel, highlighting the touch bar for RGB color selection and the LCD display showing HSI parameters.

## 5. Scene Effects Mode

Select Scene mode to access 18 pre-programmed lighting effects such as Lightning, Paparazzi, Explosion, Police Car, Candlelight, and more. Use the controls to browse and select the desired effect.
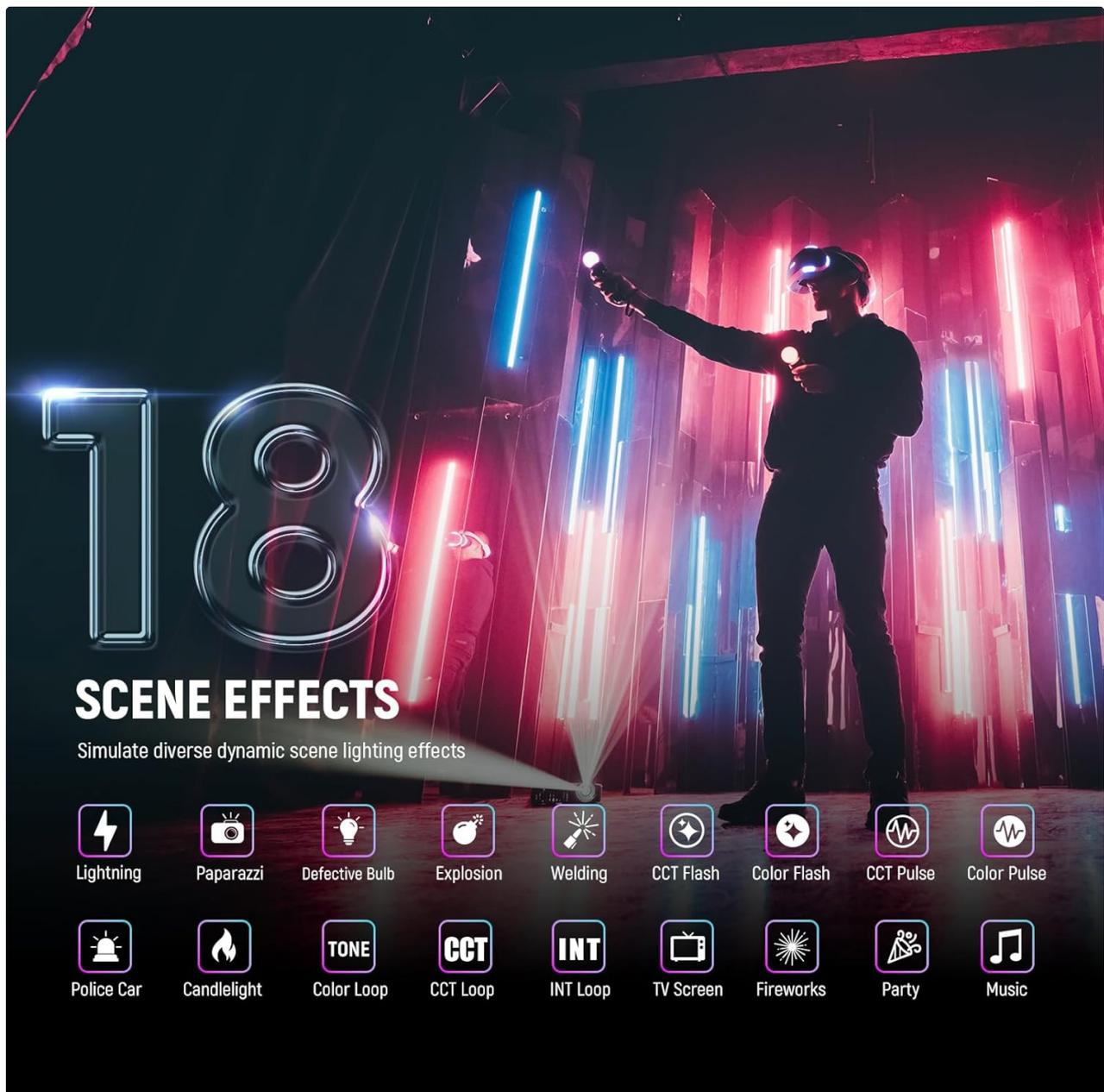
Image: A graphic illustrating the 18 available scene effects, with icons representing each effect like lightning, paparazzi, and police car, set against a dynamic lighting background.

## INTELLIGENT APP CONTROL

The NEEWER RGB2 LED Tube Light Stick can be controlled remotely via the NEEWER App, available for iOS and Android devices. This allows for convenient management of single or multiple lights within a 49.2ft (15m) range using Infinity technology.

### Connecting to the App:

1. Download the "NEEWER" App from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the NEEWER App and follow the on-screen instructions to discover and connect to your RGB2 light stick.

### App Features:

- **Dimming Modes:** RGB, Light Source Library, Light Source Match, Color Temperature Filter, Color Picker.
- **Parameter Memory:** Save and recall custom lighting settings.
- **Group Control:** Manage multiple NEEWER lights simultaneously.



**NEEWER APP LIGHTING CONTROL SYSTEM**

Achieves refined wireless group control

**49.2ft/15m**
Control Distance

**BUILT IN 2.4G WIRELESS MODULE**

Wireless group control using the lamp body is more convenient

**66ft/20m**
Control Distance

**PANEL & TOUCH BAR CONTROL INTEGRATED**

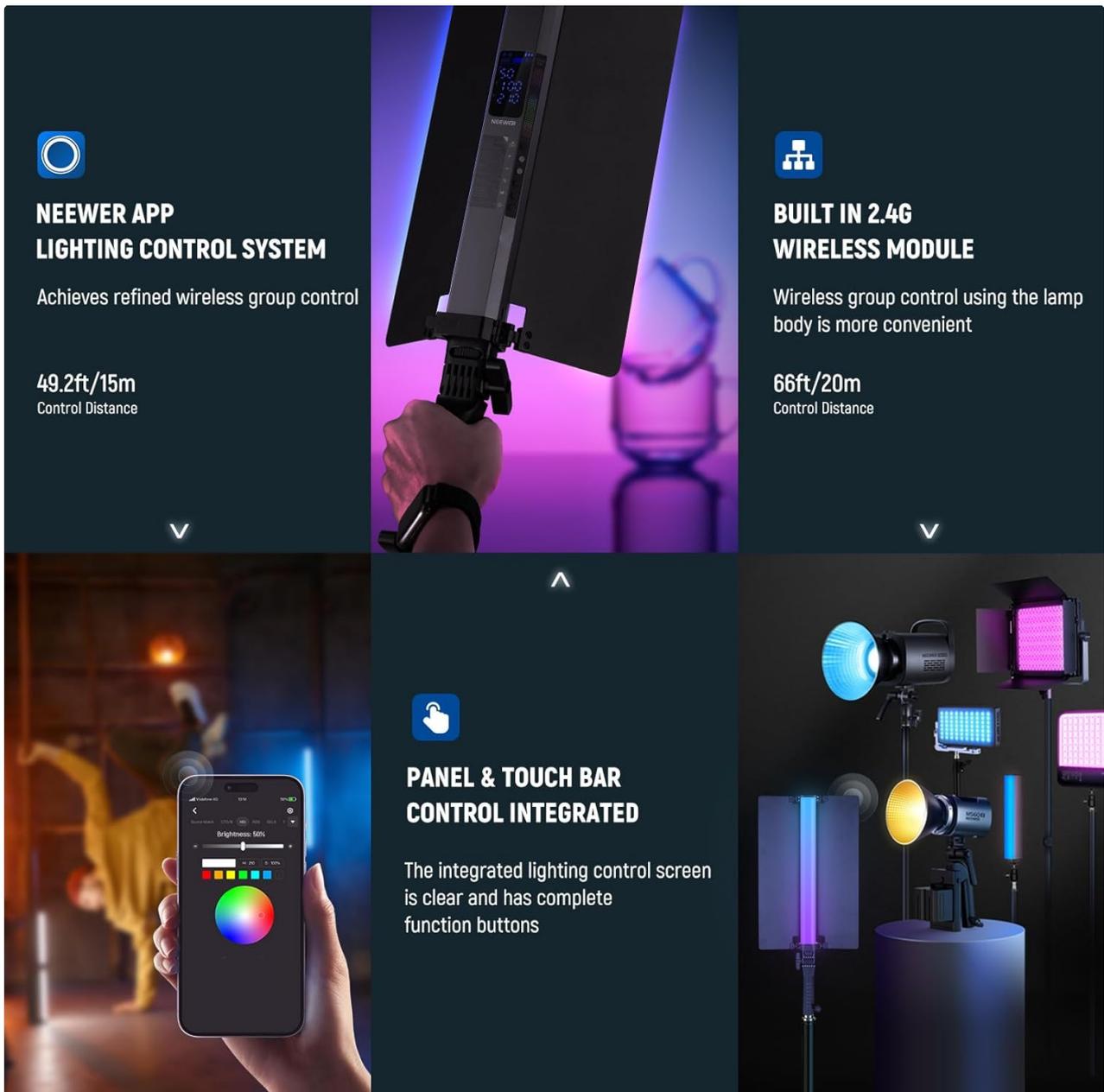The integrated lighting control screen is clear and has complete function buttons

Image: A smartphone screen displaying the NEEWER App interface, showing various controls for brightness, color selection (RGB wheel), and different lighting modes.

## SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Product Model | RGB2 (10105093) |
| Product Size | 15.7 × 1.5 × 1.5 inches / 40 × 3.9 × 3.9 cm |
| Number of Lamp Beads | 296 pcs |
| Power Input | USB 5V/2A, 9V/2A |

| | |
|---|---|
| Battery Capacity | 14.4V, 43.2Wh |
| Battery Life Time (100% Power) | 100 minutes |
| Maximum Power | 20W |
| Color Rendering Index (CRI) | CRI98+ / TLCI97+ |
| Maximum Illumination | 1860Lux/0.5m |
| Brightness Range | 0-100% |
| Color Temperature Range | 2500K-10000K |
| Tone Range | 0-360 |
| Saturation Range | 0-100 |
| Scene Modes | 18 |
| Channel Range | CH.0-CH.99 |
| Frequency Range | 2402-2480MHz |
| Maximum RF Power | -2.dBm |
| Net Weight | 28.9oz / 820g |

*Note: Specifications are subject to change without prior notice.*

## TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Connect the light to a power source using the USB-C cable and check if the charging indicator is active.
- **App connection issues:** Make sure Bluetooth is enabled on your device and the NEEWER App is updated to the latest version. Try restarting both the light stick and your smartphone.
- **Inconsistent light output:** Check for any obstructions on the light panel. Ensure the battery is sufficiently charged.
- **Overheating:** If the device becomes excessively hot, discontinue use and allow it to cool down. Ensure proper ventilation during operation.

## MAINTENANCE

- Clean the light stick regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- When not in use for extended periods, charge the battery to approximately 50% every three months to maintain battery health.
- Use the provided carrying bag for safe transport and storage.

## SAFETY INFORMATION

- Do not expose the device to water or high humidity.
- Do not disassemble or modify the product. Unauthorized repairs will void the warranty.
- Keep out of reach of children.
- Avoid direct eye exposure to the light source.
- Use only the specified charging cable and a compatible power adapter.
- Do not operate the light in environments with flammable gases or liquids.

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the NEEWER official website or contact their customer service directly. Please retain your proof of purchase for warranty claims.
**NEEWER Official Website:** www.neewer.com