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› [NEEWER](#) /

› [NEEWER RGB168 18.3" RGB LED Video Panel Light Instruction Manual](#)

NEEWER RGB168

NEEWER RGB168 18.3" RGB LED Video Panel Light Instruction Manual

MODEL: RGB168

Brand: NEEWER

INTRODUCTION

This manual provides detailed instructions for the NEEWER RGB168 18.3" RGB LED Video Panel Light. Designed for studio photography, YouTube, game streaming, and other creative applications, this light offers versatile color control, adjustable brightness, and special effects. Please read this manual thoroughly before use to ensure proper operation and longevity of your equipment.

WHAT'S IN THE BOX

- 2 x RGB168 LED Video Light
- 2 x Mounting Bracket
- 2 x Light Stand
- 2 x Power Adapter
- 2 x Power Cable



Ultra High Power RGB LED Panel Light

60W
Max. Power

120°
Beam Angle

144
RGBWW LEDs

5000lux / 0.5m
Max. Illuminance

97+
CRI / TLCI

Figure 1: All components included in the NEEWER RGB168 2-Pack kit.

SETUP INSTRUCTIONS

1. Assemble the Light Stands

1. Unfold the legs of the light stand until they are fully extended and stable.
2. Extend the telescopic sections of the stand to your desired height and secure them using the locking knobs.

2. Attach the LED Panel to the Stand

1. Secure the mounting bracket to the top of the light stand.
2. Slide the RGB168 LED panel onto the mounting bracket and tighten the locking mechanism to ensure it is firmly attached.

3. Power Options

The RGB168 LED Video Panel Light offers dual power options:

- **DC 15V 4.8A Adapter (Included):** For indoor use, connect the power adapter to the DC 15V input port on the back of the light and plug it into a wall outlet.
- **2 NP-F Batteries (Not Included):** For outdoor or portable use, insert two compatible NP-F batteries into the battery slots on the back of the light. Note: Both battery slots must be occupied for battery operation.



EXCELLENT HEAT DISSIPATION

Upgraded and improved venting system ensures good performance over a long period of time.

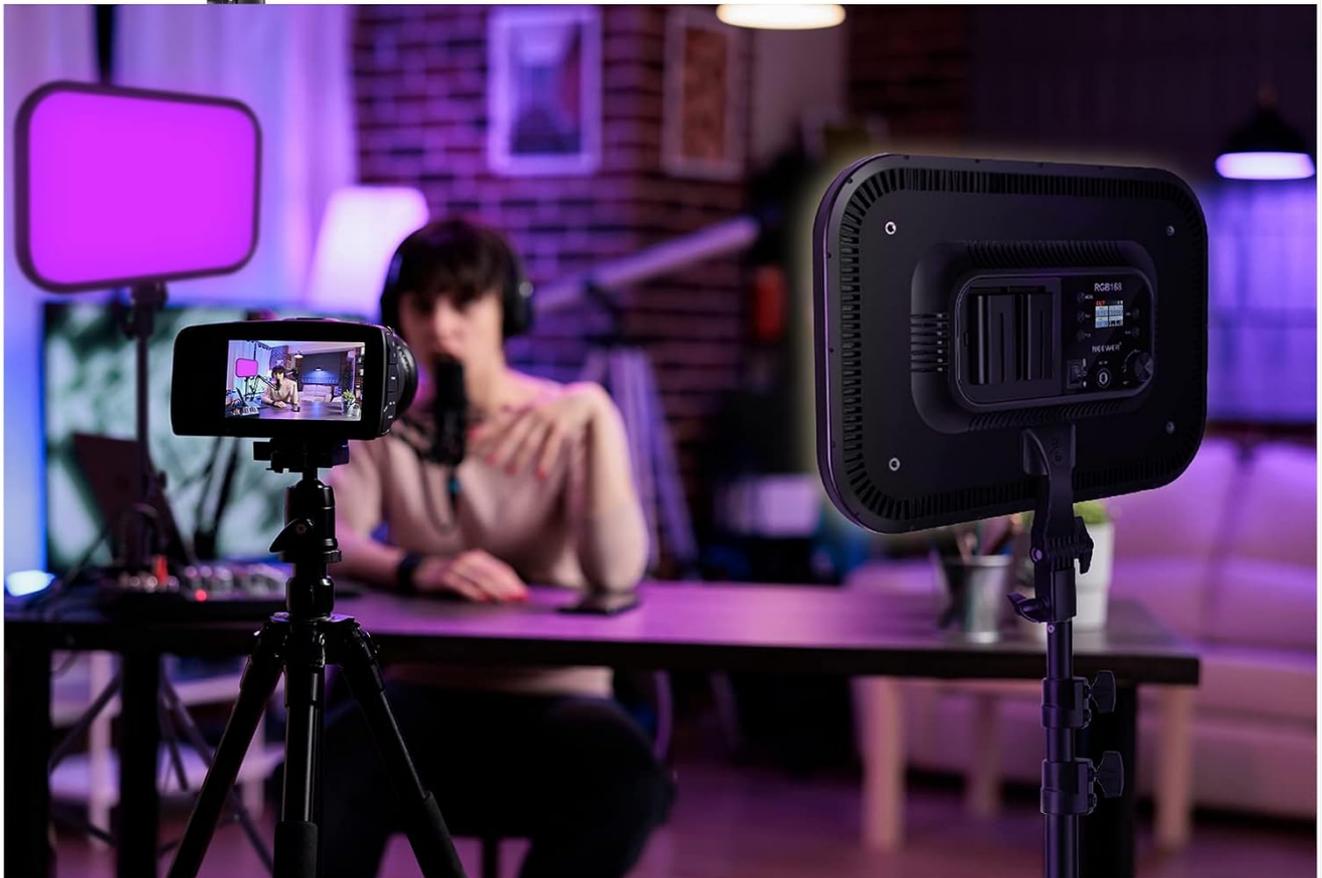


Figure 2: Rear panel of the RGB168 light with battery compartments and power input.

OPERATING INSTRUCTIONS

1. Basic Controls (On-Device)

The back panel of the RGB168 features an LCD screen and control knobs for direct adjustments:

- **Mode Button:** Press to cycle through CCT (Color Correlated Temperature), HSI (Hue, Saturation, Intensity), and Scene modes.
- **Intensity/Brightness Knob:** Adjusts the light output from 0% to 100%.
- **Color Temperature Knob:** In CCT mode, adjusts color temperature from 2500K (warm white) to 8500K (cold white).
- **Hue/Saturation Knob:** In HSI mode, adjusts hue from 0-360° and saturation from 0-100%.

- **Scene Effects:** In Scene mode, select from 17 special lighting effects such as Lightning, Paparazzi, Flickering Bulb, Explosion, Police Car, Candlelight, Fireworks, and Party. Adjust parameters like brightness, color temperature, and frequency for each effect.

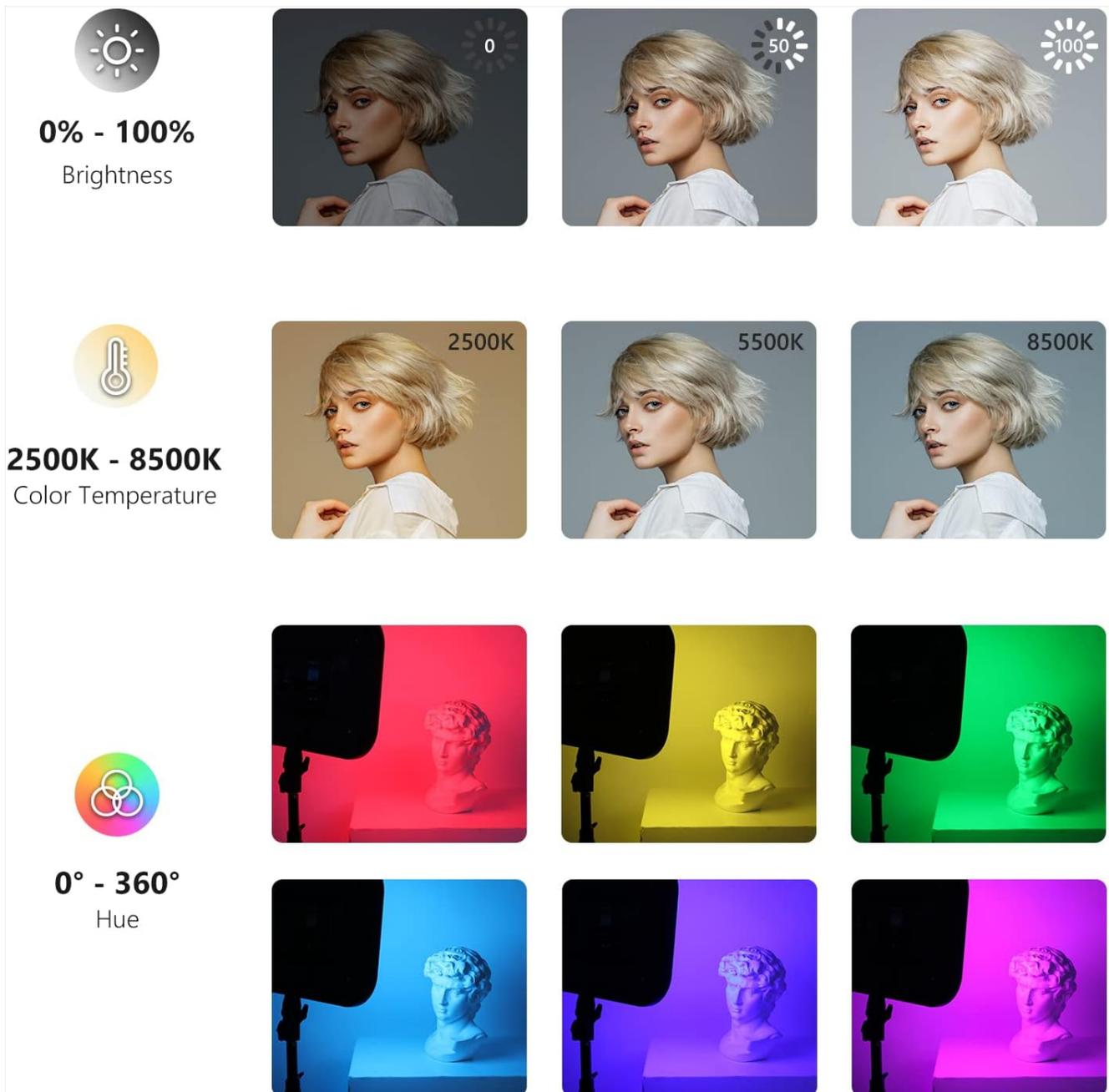


Figure 3: Visual representation of brightness, color temperature, and hue adjustments.



Figure 4: Overview of the 17 special scene effects.

2. App Control (Bluetooth)

For enhanced control, download the NEEWER app from the App Store or Google Play. The app allows you to:

- Connect to 1-8 light groups.
- Adjust color temperature, brightness, HSI, and scene modes remotely.
- Save 2 groups of preset lighting settings.
- Add presets to Favorites.

The app is compatible with Android 4.3 or iOS 11.1 and above.

DUAL POWER SUPPLIES



Indoor Use
DC 15V 4.8A adapter
(Included)



Outdoor Use
2 NP-F batteries
(Not included)



APP CONTROL SUPPORTED

- Set 1-8 light groups
- Easily add preset lights to Favorites
- Save 2 groups of preset lights

NEEWER | 🔍

Compatible with **iOS / Android**



Figure 5: NEEWER app interface for remote light control.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the light panel and stand. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the lights and accessories in the provided carrying bag in a cool, dry place to protect them from dust and damage.
- **Heat Dissipation:** The light features an upgraded venting system for efficient heat dissipation. Ensure vents are not obstructed during operation.

TROUBLESHOOTING

- **Light Not Turning On:** Ensure the power adapter is securely connected or that two charged NP-F batteries are correctly inserted. Check the power switch on the back of the light.
- **App Connectivity Issues:** Ensure Bluetooth is enabled on your mobile device and the light. Restart the app and the light if connection fails.
- **Inconsistent Light Output:** Check power source stability. If using batteries, ensure they are fully charged.

SPECIFICATIONS

Model	RGB168
Number of LEDs	144 RGBWW LEDs
Maximum Power	60W
Maximum Illuminance	5000 lux at 0.5m
CRI	97+
TLCI	97+
Dimming Range	0-100%
Color Temperature	2500K-8500K
Hue Angle	0-360°
Saturation Range	0-100%
Power Supply	DC 15V 4.8A adapter (included) or 2 NP-F batteries (not included)
DC Input	DC 15V 4.8A
Product Dimensions	17.05"L x 11.69"W x 0.96"H
Item Weight	21.4 pounds (total kit)
Operating Temperature	0-35°C
Storage Temperature	-10-50°C
Ambient Relative Humidity For Storage	20%-80%

PRODUCT MEDIA

Product Videos

NEEWER 18.3 RGB LED Video Light Panel Stand Kit 2 Pack

This video provides an overview of the NEEWER 18.3 RGB LED Video Light Panel Stand Kit, highlighting its features and components.

NEEWER RGB168 18.3" LED Video Light Panel

A concise video showcasing the NEEWER RGB168 18.3" LED Video Light Panel in action.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official NEEWER website or

contact their customer service directly. Keep your purchase receipt as proof of purchase.