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NEEWER RGB190

Neewer RGB190 LED Video Light Kit User Manual

Model: RGB190

1. INTRODUCTION

Thank you for choosing the Neewer RGB190 LED Video Light Kit. This manual provides essential information for the safe and effective operation of your new lighting equipment. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INFORMATION

To prevent damage to the product or injury to yourself or others, please observe the following safety precautions:

- Do not expose the light to rain or moisture.
- Do not disassemble or modify the product. Unauthorized repairs will void the warranty.
- Keep the light away from flammable materials and excessive heat.
- Use only the specified power adapter (DC 12-15V, not included) or NP-F550 batteries.
- Avoid direct eye exposure to the LED light, especially at high brightness settings.
- Ensure the light stands are stable before mounting the lights.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 x RGB190 LED Video Light with White Diffuser
- 2 x Carrying Bag for LED Light
- 1 x F550 Battery Charger
- 2 x NP-F550 Battery
- 1 x USB Charging Cable
- 2 x Cold Shoe Mount Adapter

- 2 x Light Stand

Package Contents



1.RGB190 LED Video Light + White Diffuserx 2	3.F550 Battery Charger x 1
2.Carrying Bag for Led Light x 2	5.USB Charging Cable x 1
4.NP-F550 Battery x 2	6.Cold Shoe Mount Adapter x 2
6.Cold Shoe Mount Adapter x 2	7.Light Stand x 2

Figure 3.1: Kit Contents Overview

4. PRODUCT OVERVIEW

4.1. Light Panel Features

- **LED Beads:** 192 (64 warm, 64 cool, 64 RGB)
- **Color Rendering Index (CRI):** 97+ for accurate color reproduction.
- **Color Temperature Range:** 2600K to 5600K (CCT Mode).
- **Hue (HSI Mode):** 0-360° full-color adjustment.
- **Saturation (HSI Mode):** 0-100% adjustment.
- **Brightness:** 0-100% dimmable.
- **Max Power:** 12W.
- **Dual Power Options:** NP-F550 battery (included) or DC 12-15V power adapter (not included).
- **Control:** On-board controls and mobile APP control via Bluetooth.
- **Special Effects:** 9 built-in RGB lighting effects.



Figure 4.1: RGB190 LED Light Panel Controls and Modes

4.2. Tripod Stands

- **Material:** Durable metal construction.
- **Adjustable Height:** From 79cm (31.1in) to 190cm (74.8in).
- **Mounting:** 1/4-inch universal interface with fast locking mechanism.

Product Size

Carrying Bag for Led Light



Adjustable Tripod Stands



Metal Material



Stable Structure



Height Adjustment

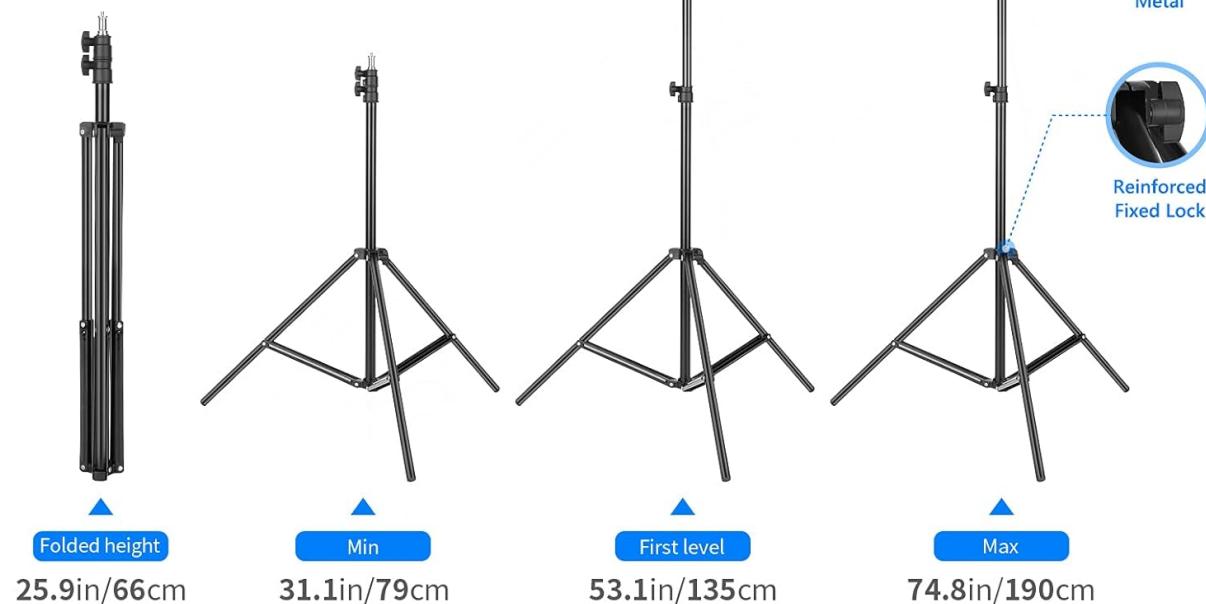


Figure 4.2: Product Dimensions and Tripod Stand Adjustments

5. SETUP

5.1. Assembling the Light Stands

1. Unfold the legs of the light stand until they are fully extended and stable.
2. Loosen the locking knobs on the stand sections and extend the stand to your desired height. Tighten the knobs securely to lock the sections in place.

5.2. Mounting the LED Lights

1. Attach the cold shoe mount adapter to the top of the light stand. Secure it by tightening the screw.
2. Slide the RGB190 LED video light onto the cold shoe mount adapter. Ensure it is firmly seated and tighten the locking ring on the adapter.
3. Adjust the angle of the light using the tilt mechanism on the cold shoe mount adapter and tighten it.

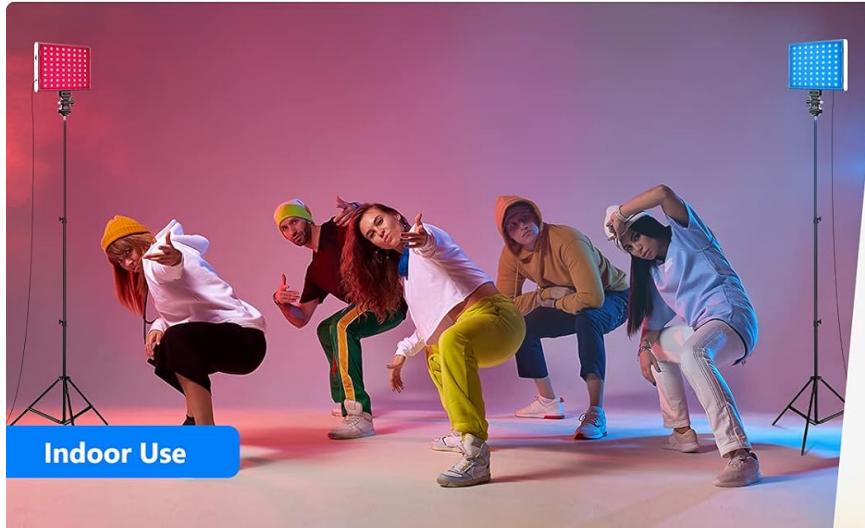
5.3. Powering the Lights

The RGB190 LED lights offer dual power options:

- **Battery Power:** Insert a charged NP-F550 battery into the battery compartment on the back of the light panel. Ensure it clicks into place.
- **DC Power:** Connect a DC 12-15V power adapter (not included) to the power input port on the side of the light.

Dual Power Options

Powered by NP-F550 Li-ion battery ([included](#)) or the DC power adapter ([Not included](#))



Power Adapter

DC 12-15V



(Not Included)



Battery

NP-F550
with Battery Charger



Figure 5.1: Dual Power Options

5.4. Charging the Batteries

Use the included F550 Battery Charger and USB charging cable to charge the NP-F550 batteries. Connect the USB cable to a suitable USB power source (e.g., wall adapter, computer USB port). The charger will indicate charging status.

6. OPERATING INSTRUCTIONS

6.1. Manual Control

1. **Power On/Off:** Press the power button on the side of the light to turn it on or off.
2. **Mode Selection:** Press the 'M' (Mode) button to cycle through different lighting modes: CCT (Color Temperature), HSI (Hue, Saturation, Intensity), and Scene Effects.

3. **Adjusting Parameters:** Use the 'FN MAX' and 'FN MIN' buttons or the adjustment dial to change brightness, color temperature, hue, or saturation depending on the selected mode. The LCD display will show the current settings.

6.2. APP Control

The Neewer RGB190 LED light can be controlled wirelessly via the Neewer app on your smartphone (Android 4.3 / iOS 11.1 or above).

1. **Download the App:** Search for "Neewer" in your device's app store (Apple App Store or Google Play Store) and install the application.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone.
3. **Connect to Light:** Open the Neewer app. The app should automatically detect nearby Neewer devices. Select "RGB190" from the device list to connect.
4. **Control Functions:** Within the app, you can adjust brightness, color temperature, hue, and saturation using intuitive sliders and color wheels. You can also select from 9 preset lighting scenes (e.g., Cop Car, Ambulance, Fireworks, Party, etc.).
5. **Group Control:** The app allows you to control multiple RGB190 lights simultaneously by creating groups.

NEEWER APP Control

Equipped with mobile APP control function, this light can be controlled by your smart mobile device. (Android 4.3 / iOS 11.1 or above)

The image shows a composite screenshot of the Neewer app interface. On the left, there are four smartphones displaying different screens of the app. The top row shows the login screen with 'Log in', 'Sign up', and 'Guest Mode' buttons. The bottom row shows the 'My Device' screen with a list of devices (RGB190-22) and a 'Groups' section. The right side of the image is a detailed view of the control panel for an RGB190-22 device. It features a large 'RGB color wheel' with color coordinates (R93, G255, B108) and sliders for 'Color Temperature' (4400K), 'Brightness' (98), 'Hue' (250), and 'Saturation' (92). Below these are buttons for 'ON / OFF', 'Group 1/2', and 'Data collection'. A note below the control panel states: 'When you click "1" or "2" the light will automatically restore the default settings saved for group 1 or 2'. At the bottom, there are two additional sections: '9 Preset modes of lighting effect' (with a note: 'Simple operation, let you complete more quickly the light effect setting') and 'To control multiple groups of RGB lights' (with a note: 'After adding two devices, click on the group column. Long press the icon for 2 seconds to drag the device to move to other groups').

Adjust & Preset mode

RGB color wheel
Free to select different colors

Color Temperature Brightness\Hue\Saturation Adjustment

ON / OFF Group 1/2 Data collection

When you click "1" or "2" the light will automatically restore the default settings saved for group 1 or 2

9 Preset modes of lighting effect
Simple operation, let you complete more quickly the light effect setting

To control multiple groups of RGB lights
After adding two devices, click on the group column. Long press the icon for 2 seconds to drag the device to move to other groups

Figure 6.1: Neewer App Control Interface

6.3. Scene Effects

The RGB190 features 9 special lighting effects to enhance your creative projects:

- Cop Car
- Ambulance
- Fire Truck
- Fireworks
- Party
- Candlelight
- Lightning
- Paparazzi
- TV Screen

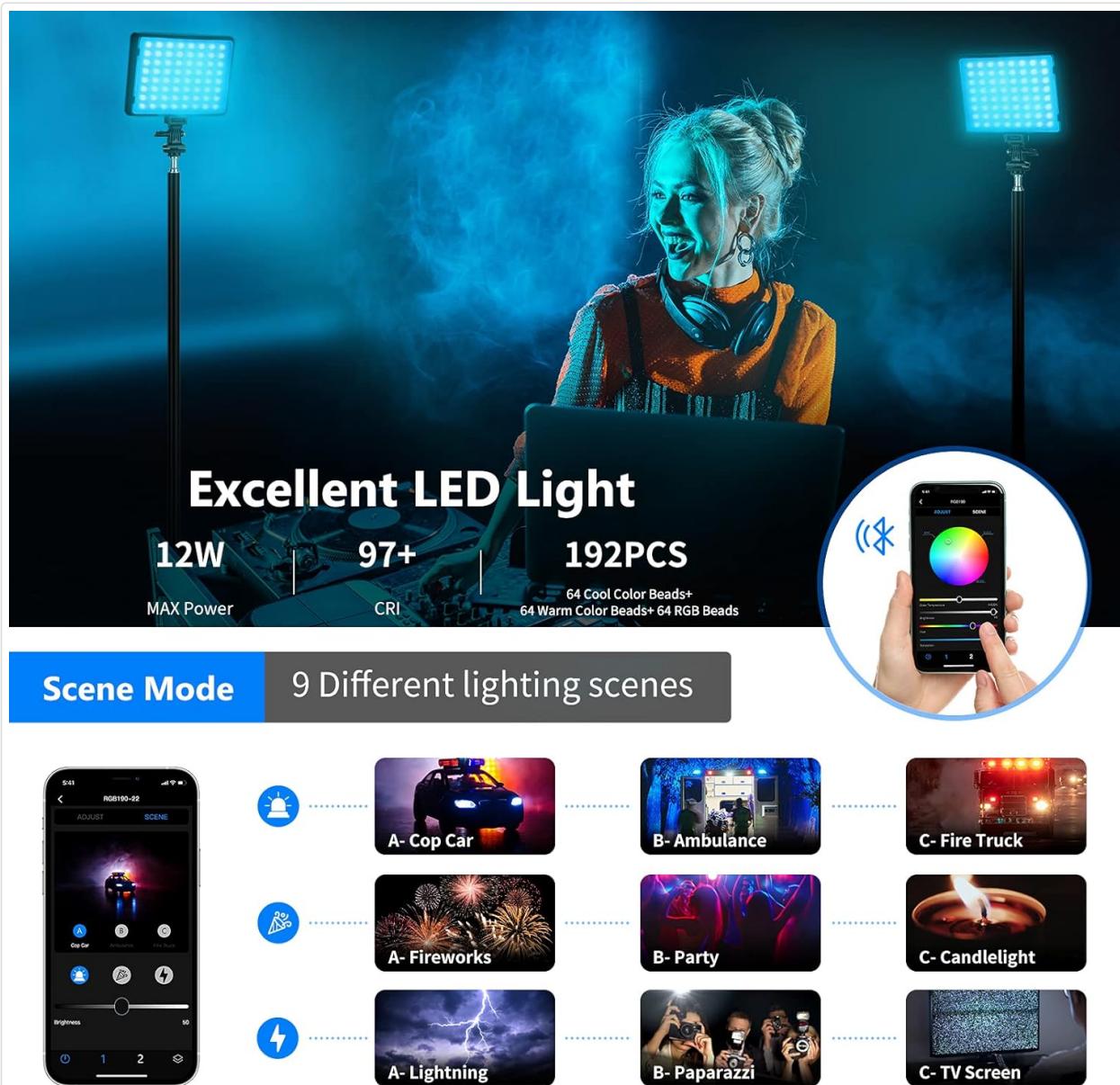


Figure 6.2: Available Scene Modes

7. MAINTENANCE

7.1. Cleaning

Wipe the light panel and stand with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the light is powered off and disconnected from any power source before cleaning.

7.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Do not expose batteries to extreme temperatures.
- If storing for extended periods, charge batteries to approximately 50% capacity.

7.3. Storage

When not in use, store the LED lights and accessories in their carrying bags to protect them from dust and damage. Disassemble the light stands and store them in a safe place.

8. TROUBLESHOOTING

Light not turning on:

Ensure the battery is charged and correctly inserted, or that the DC power adapter is properly connected and providing power.

App connectivity issues:

Check if Bluetooth is enabled on your smartphone and the light. Restart the app and the light. Ensure your phone's operating system meets the minimum requirements (Android 4.3 / iOS 11.1 or above).

Inconsistent light output:

Check battery level. If using DC power, ensure the adapter is providing stable power. Clean the LED surface if dust or debris is present.

9. SPECIFICATIONS

Feature	Specification
Model	RGB190
Power	12W
LED Beads	192 (64 Warm, 64 Cool, 64 RGB)
CRI	97+
Color Temperature	2600K-5600K
Hue Adjustment	0-360°
Saturation Adjustment	0-100%
Brightness Adjustment	0-100%
Battery Type	NP-F550
DC Power Input	12-15V

Feature	Specification
Light Dimensions	17 x 13 x 2.5 cm (approx.)
Light Stand Max Height	190 cm (74.8 in)
App Compatibility	Android 4.3 / iOS 11.1 or above

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Neewer website or contact their customer service directly. Keep your purchase receipt as proof of purchase.