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Neewer RGB190 On-Camera Video Light User Manual

Model: 10099452

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before using the Neewer RGB190 video light. Keep this manual for future reference.

- Do not expose the device to water or high humidity.
- Avoid direct eye exposure to the LED light.
- Do not disassemble or modify the product. Repairs should only be performed by authorized personnel.
- Use only the specified battery type (NP-F550) and charger.
- Keep out of reach of children.

2. PACKAGE CONTENTS

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

- RGB190 LED Video Light
- NP-F550 Li-ion Battery (2600mAh)
- Battery Charger
- Micro USB Charging Cable
- White Diffuser
- Cold Shoe Mount Adapter
- User Manual



Package contents



Image: The package contents including the RGB190 light, battery, charger, cables, diffuser, and cold shoe mount.

3. PRODUCT OVERVIEW

3.1 Components and Controls

The Neewer RGB190 features a compact design with an intuitive control panel and display.



Mode functions

Short press the **M** button to switch mode



CCT Mode

Turn the "Adjust / SET" button to adjust the **Color temperature** from 3200K to 5600K



HSI Mode

Turn the "Adjust / SET" button to adjust the **Hue** from 0-360; **Short press** the "Adjust / SET" button until "S" mode is shown on the display, and then turn the "Adjust / SET" button to adjust the **Saturation** from 0-100



Scene Mode

Short press and turn the "Adjust / SET" button to switch between **different scene** modes (A, B, C)



Channel Mode

Turn the "Adjust / SET" button to adjust the **Channel** from 0-8

Image: Diagram illustrating the control panel of the RGB190, showing the power display, Bluetooth connectivity indicator, mode display, brightness adjustment dial, power on/off button, mode button, adjust/set button, and power input port.

- **Power On/Off/Standby Button:** Press and hold to power on or off. Short press for standby.
- **Mode Button (M):** Short press to cycle through HSI, CCT, and Scene modes.
- **Adjust / SET Dial:** Rotate to adjust values (e.g., brightness, hue, color temperature). Press to confirm selection or switch between parameters.
- **Power Input Port:** For external AC power adapter (12-15V, not included).
- **Battery Compartment:** Houses the NP-F series battery.
- **LCD Panel:** Displays current settings such as mode, brightness, color temperature, hue, saturation, and battery level.

3.2 Dimensions and Specifications

9 Different lighting scenes



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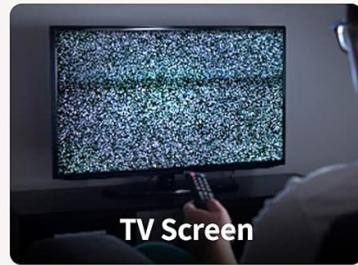
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Image: The RGB190 LED light panel with dimensions (6.7 inches / 17cm width, 5.1 inches / 13cm height) and key specifications: 12W Max Power, 97+ CRI, 192 LED Beads, and less than 50M Control Distance.

- **Dimensions:** 6.7" L x 1.3" W x 5.1" H (17cm x 3.3cm x 13cm)
- **Weight:** Approximately 1.7 pounds (0.7 kg)
- **Max Power:** 12W
- **CRI:** 97+
- **LED Beads:** 192 (64 Cool, 64 Warm, 64 RGB)
- **Control Distance:** Up to 50 meters (via App)

4. SETUP

4.1 Battery Installation

1. Ensure the light is powered off.
2. Open the battery compartment cover on the back of the light.
3. Insert the NP-F550 battery, aligning the contacts correctly.
4. Close the battery compartment cover securely.

4.2 Mounting the Light

The RGB190 can be mounted on various photographic equipment using the cold shoe mount adapter.



Scenes to be used

- Live fill-in light
- Video shooting
- Still life shooting
- Portrait shooting
- Party light

Great compatibility

It is compatible with all kinds of photographic equipment to the greatest extent

NOTE Only RGB190 LED video light set is included



Image: The RGB190 light mounted on a DSLR camera, a handheld stabilizer, a table-top tripod, and a light stand, demonstrating its versatility with various photographic equipment.

1. Attach the cold shoe mount adapter to the 1/4" screw hole at the bottom of the RGB190 light.
2. Secure the cold shoe mount adapter onto your camera's hot shoe, a stabilizer, or a tripod.
3. Adjust the angle of the light using the adapter's tilt mechanism.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the Power On/Off button for approximately 2 seconds to turn the light on or off. A short press will put the light into standby mode.

5.2 Mode Selection and Adjustment

Short press the 'M' (Mode) button to switch between the available lighting modes: HSI, CCT, and Scene.

The image shows a mobile application interface for a lighting device. At the top, a blue header bar indicates 'HSI Mode' and 'Hue-saturation-intensity (lightness)'. Below this, the 'HSI' section is displayed, featuring four small LED panel images showing a color transition from cyan to red. To the right is a circular HSI color wheel with 'HUE' at the top, 'SATURATION' in the center, and a radial scale from 0° to 360°. Below the color wheel are four more LED panel images showing a saturation transition from low to high. The 'CCT' section at the bottom shows a color temperature range from 3200K to 5600K with a slider. To the right is a portrait of a woman with a brightness adjustment overlay showing levels from 100% to 20%. The 'CCT' section also includes an 'Accurate Brightness Adjustment' slider with levels from 0% to 100%.

Image: Explanations for HSI Mode (Hue-Saturation-Intensity) and CCT Mode (Color Temperature Range). HSI allows adjusting hue from 0° to 360° and saturation from 0-100%. CCT allows adjusting color temperature from 3200K to 5600K and brightness from 0-100%.

HSI Mode (Hue-Saturation-Intensity)

- In HSI mode, rotate the Adjust/SET dial to change the Hue (0-360°).
 - Press the Adjust/SET dial to switch to Saturation adjustment (0-100%). Rotate the dial to change saturation.
 - Press the Adjust/SET dial again to switch to Brightness adjustment (0-100%). Rotate the dial to change brightness.

CCT Mode (Color Temperature)

- In CCT mode, rotate the Adjust/SET dial to change the Color Temperature (3200K-5600K).
 - Press the Adjust/SET dial to switch to Brightness adjustment (0-100%). Rotate the dial to change brightness.

Scene Mode

The RGB190 offers 9 pre-programmed scene effects to enhance your creative lighting.

Excellent LED light panel

12W

MAX Power

97+

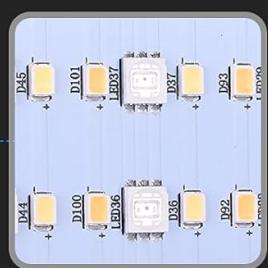
CRI

192PCS

LED Beads

<50M

Control Distance



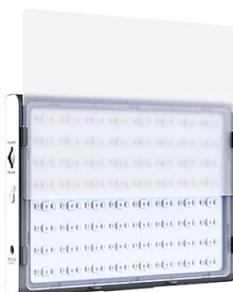
192 RGB bulbs

64 Cool color beads,
64 Warm color beads,
64 RGB beads

Brightness 100% (4400K) without diffuser

2200LUX / 0.5M
800LUX / M

Detachable soft light board



With Diffuser



Without Diffuser

Image: Visual representation of the 9 different lighting scenes available: Cop Car, Ambulance, Fire Truck, Fireworks, Party, Candlelight, Lightning, Paparazzi, and TV Screen.

- In Scene mode, rotate the Adjust/SET dial to cycle through the 9 scene effects: Lightning 1, Lightning 2, Display Screen, Party, Fireworks, Candlelight, Squad Car, Ambulance, Fire Engine.
- Some scenes may have adjustable parameters (e.g., speed or intensity) which can be changed by pressing the Adjust/SET dial and then rotating it.

5.3 App Control

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

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)

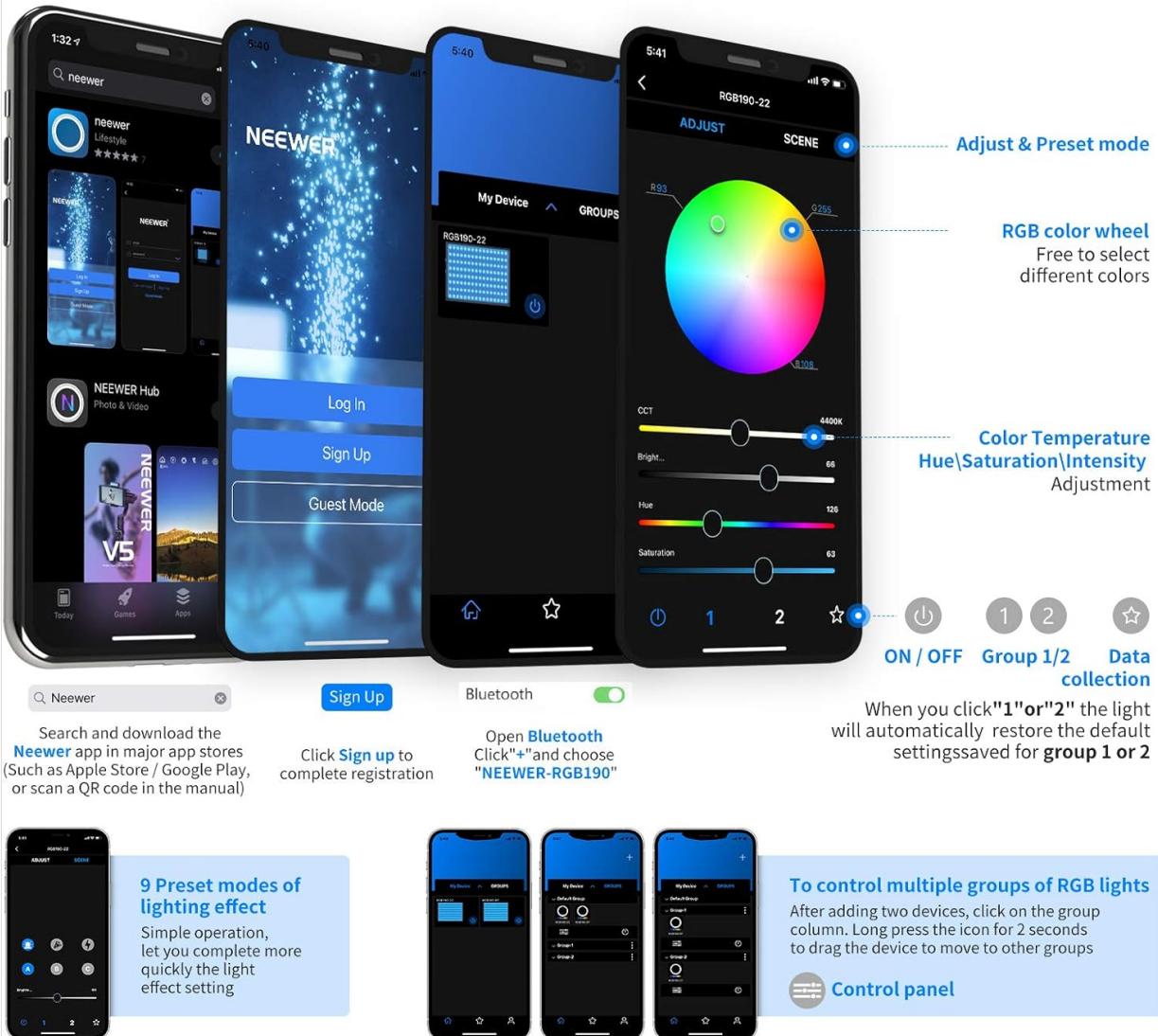


Image: Screenshots of the Neewer app interface, showing options for adjusting color temperature, hue, saturation, brightness, an RGB color wheel for selection, and preset modes. It also illustrates how to connect via Bluetooth and control multiple lights.

1. Download the 'Neewer' app from your device's app store (Apple App Store or Google Play Store).
2. Ensure Bluetooth is enabled on your mobile device.
3. Open the Neewer app and select 'NEEWER-RGB190' from the device list to connect.
4. Once connected, you can adjust color temperature, brightness, hue (0-360°), and saturation (0-100%) directly from the app.
5. The app also includes an RGB wheel for quick color selection, allows saving two presets, and supports controlling up to eight lights simultaneously.

6. BATTERY AND POWER OPTIONS

The RGB190 offers flexible power options for both indoor and outdoor use.

Dual power options

Powered by NP-F550 Li-ion battery or the AC power adapter (Not included)

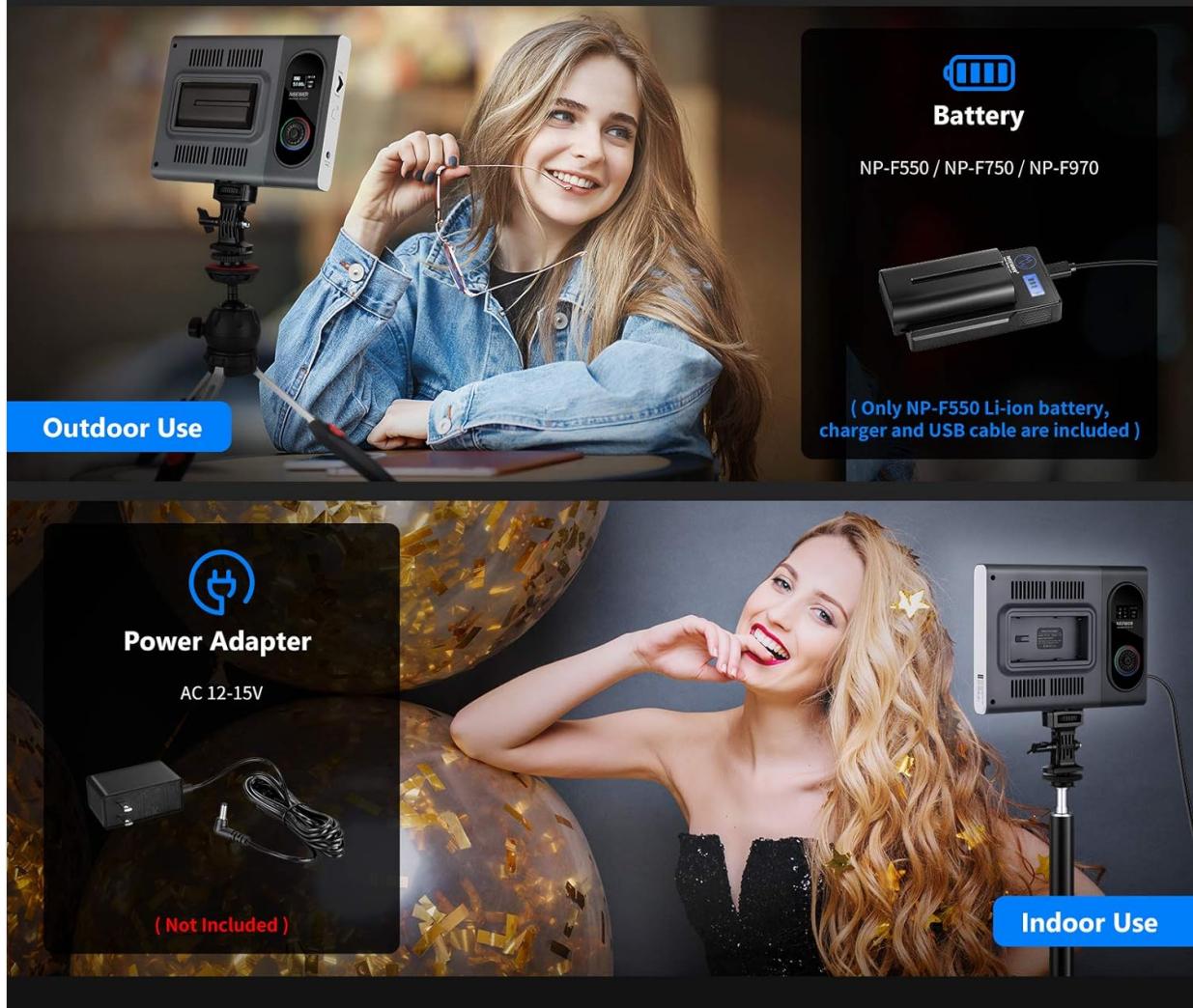


Image: Demonstrates the dual power options for the RGB190: outdoor use with the included NP-F550 Li-ion battery and indoor use with an optional AC power adapter (12-15V, not included).

- **Battery Power:** The light is powered by the supplied 2600mAh NP-F550 Li-ion battery. This battery is removable and interchangeable with other NP-F series batteries (NP-F550/NP-F750/NP-F970).
- **AC Power:** For continuous indoor use, the light can be powered by an AC adapter (12-15V, not included) connected to the power input port.
- **Charging:** Use the provided battery charger and Micro USB charging cable to recharge the NP-F550 battery.

7. MAINTENANCE

- Clean the light panel and body with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the light in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove the battery if the light will not be used for an extended period.

8. TROUBLESHOOTING

8.1 Light Not Turning On

- Check if the battery is correctly installed and charged.
- If using an AC adapter, ensure it is properly connected and providing power.
- Press and hold the power button for 2 seconds to ensure it's not in standby mode.

8.2 App Connection Issues

- Ensure Bluetooth is enabled on your mobile device and the light.
- Make sure the light is within the 50-meter control range.
- Restart the Neewer app and try reconnecting.
- Ensure your app version is up to date.

8.3 Inconsistent Light Output

- Check the battery level; low battery can affect performance.
- Ensure no obstructions are blocking the light panel.
- Verify settings in HSI or CCT mode are as desired.

9. WARRANTY AND SUPPORT

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