SMALLRIG RC 220D

SmallRig RC 220D 220W LED Video Light Instruction Manual

Model: RC 220D | Brand: SMALLRIG

PRODUCT OVERVIEW

The SmallRig RC 220D is a 220W LED video light designed for continuous output, offering high brightness and precise lighting control. It features a fixed color temperature of 5600K and is suitable for various video and photography applications.

Key Features:

- **High Brightness:** Delivers 10,100 lux at 1M (3.3ft) without reflector and 98,700 lux at 1M (3.3ft) with the included hyper reflector.
- **Silent Cooling Fan:** Features a built-in silent mode, producing approximately 30dB ± 2dB at 1 meter. Power is reduced in silent mode.
- **Bowens Mount:** Compatible with a wide range of lighting modifiers.
- **Precise Lighting Adjustment:** CRI 95+, TLCI 96+, 5600K color temperature, and 9 light effects. Brightness adjustable from 0% to 100%.
- **Intelligent Wireless Control:** Adjust settings via the SmallGoGo App on a mobile phone.
- **Dual Power Supply Modes:** Operates directly from an AC power adapter or a 14.4V/26V V-mount battery (not included).

PACKAGE CONTENTS

The SmallRig RC 220D LED Video Light package includes the following items:

- RC 220D Light x 1
- Protection Cover x 1
- Hyper-Reflector x 1
- AC Adapter x 1

- Power Cable x 1
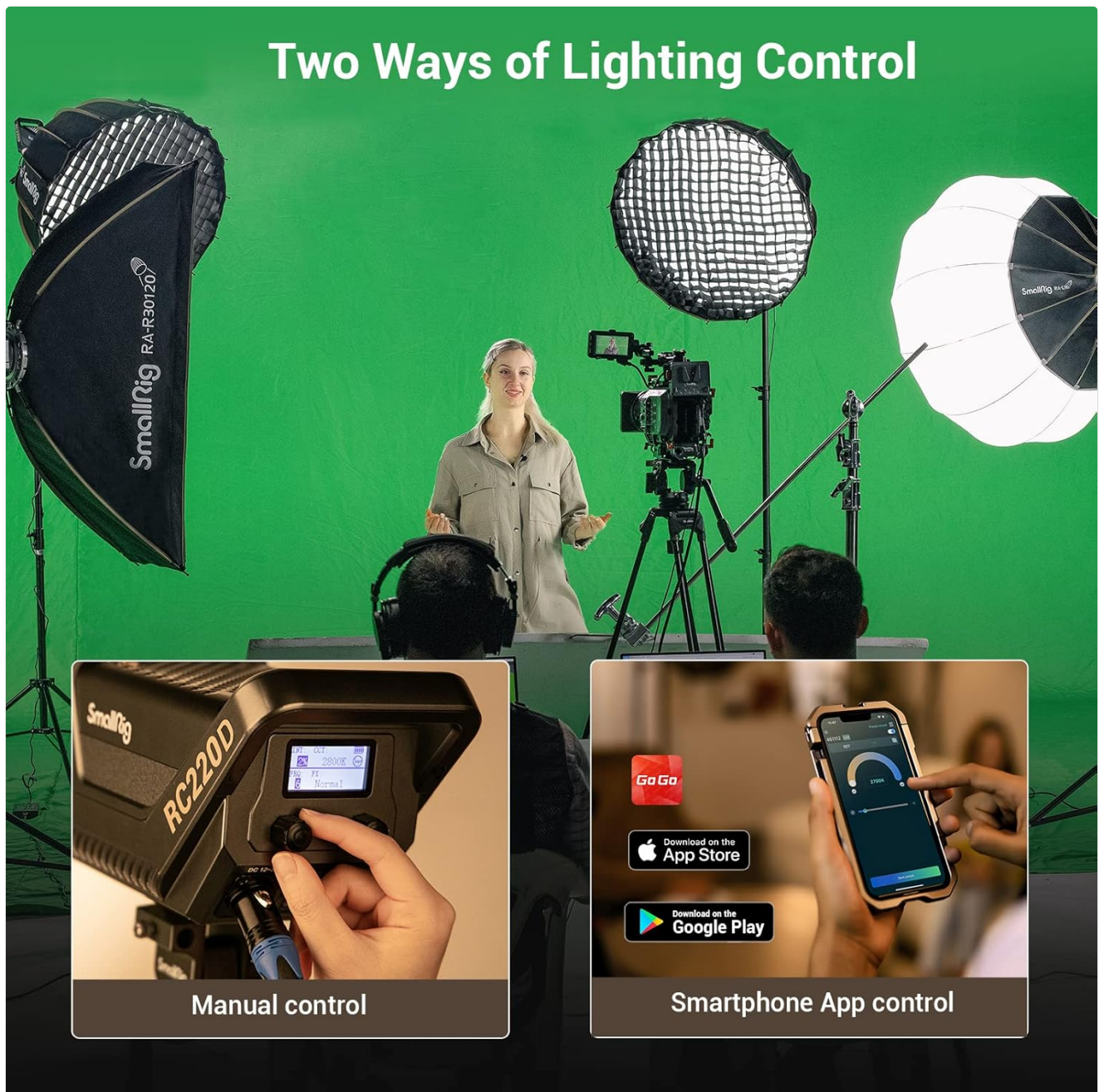- Carrying Bag x 1 (Bag size: 500 x 260 x 220mm)
- User Manual x 1

Image: All items included in the SmallRig RC 220D LED Video Light package, neatly arranged in the carrying bag.

SETUP GUIDE

1. Attaching the Hyper-Reflector

1. Align the hyper-reflector with the Bowens mount on the front of the RC 220D light.
2. Twist the reflector clockwise until it locks securely into place.
3. To remove, press the release button on the Bowens mount and twist counter-clockwise.

Image: The SmallRig RC 220D light with the hyper reflector installed, ready for use.

2. Power Supply

The RC 220D supports two power supply methods:

- **AC Power Adapter:** Connect the provided AC adapter to the light's DC input (12-30V) and then plug it into a standard wall outlet. The power cable length is 6m (19.6ft).
- **V-mount Battery (Optional):** For portable use, the light can be powered by a 14.4V/26V V-mount battery (not included). A special V-mount battery plate 3676 (not included) is recommended to attach the battery to a light stand.
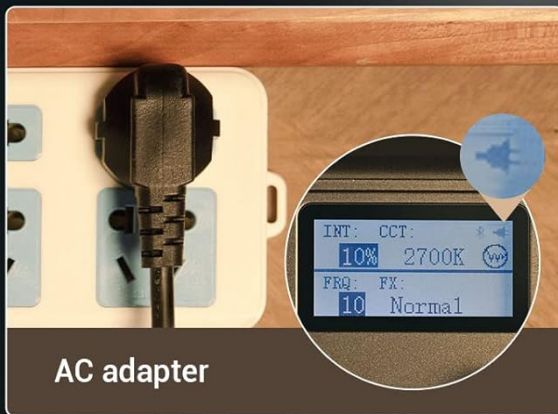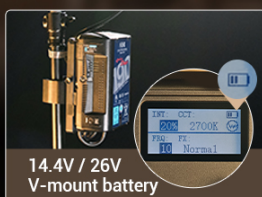
Dual Power Supply Modes

4.4V/26V
V-mount battery

```
INT:  CCT:        [||]
20%   2700K      (VVX)
FRQ:  FX:
10    Normal
```

AC adapter

```
INT:  CCT:        ⚡
10%   2700K      (VVX)
FRQ:  FX:
10    Normal
```

Image: The SmallRig RC 220D displaying its dual power supply options: AC adapter and V-mount battery connection.

Dual Power Supply Modes

14.4V / 26V V-mount battery

AC adapter

Two Ways of Lighting Control

Manual control

Smartphone App control

Image: Detailed view of the power input ports and display indicators for AC adapter and V-mount battery power modes.

3. Mounting the Light

The RC 220D can be mounted on a light stand using its integrated bracket. The bracket allows for angle adjustment up to 270 degrees. It also includes a built-in umbrella hole for attaching umbrella lighting accessories.

Image: The SmallRig RC 220D mounted on a light stand, showcasing its standard Bowens mount and umbrella hole.

OPERATING INSTRUCTIONS

1. Power On/Off

Locate the power switch on the back of the unit. Flip the switch to turn the light on or off. The display screen will illuminate upon powering on.

2. Manual Control

The light features control knobs on the back panel for manual adjustments:

- **Intensity (INT) Knob:** Rotate to adjust the brightness from 0% to 100%.
- **FX Knob:** Rotate to cycle through 9 built-in light effects. Press to select an effect.
- **Reset Button:** Used for various functions, including activating/deactivating silent mode (press three times).

Silent Cooling Fan

The cooling fan runs automatically when the light is over 60℃ (140°F) with a sound of only 30db± 2dB.

| 10dB Normal Breathing | 20dB Rustling Leaves | 30dB RC 220 Series | 40dB Refrigerator Humming | 50dB Sounds of Living Environment | 60dB Normal Conversation |

* Data Source: SmallRig Acoustics Lab

Image: Close-up of the SmallRig RC 220D's control panel, showing the intensity and effects knobs, and the display screen.

3. App Control (SmallGoGo App)

For intelligent wireless control, download the SmallGoGo App on your mobile phone. The light connects via Bluetooth, allowing remote adjustment of brightness, light effects, and monitoring data on the LED screen.

Image: A mobile phone displaying the SmallGoGo App interface, controlling the SmallRig RC 220D light settings.
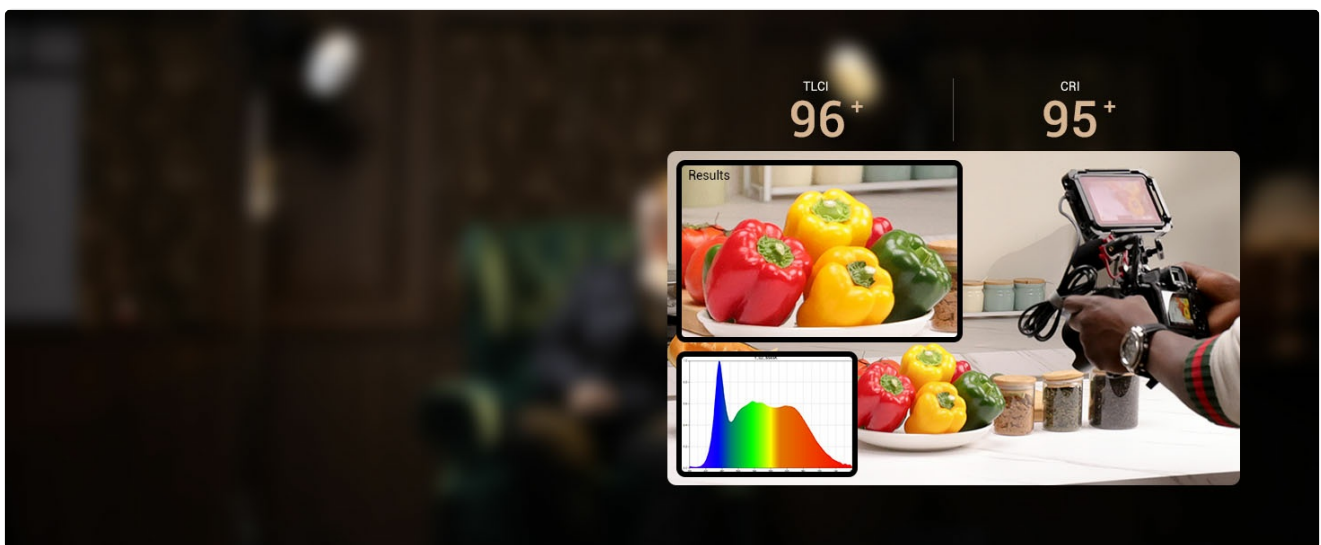

Image: The SmallGoGo App showing various light effects available for the SmallRig RC 220D.

4. Silent Cooling Mode

The light features a silent mode for quiet operation. To activate or deactivate, press the Reset button three times. Note that power output is reduced when silent mode is active.

Image: Internal view of the SmallRig RC 220D's silent cooling fan, highlighting its low noise operation.

PRODUCT DEMONSTRATIONS

SmallRig COB Video Light Series - Softbox and Light Stand

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Video: This video demonstrates the SmallRig COB Video Light Series, including various softboxes and light stands, showcasing their assembly and use in different lighting setups.

SmallRig 220W LED Video Light Bowens Mount

Your browser does not support the video tag.

Video: This video highlights the SmallRig 220W LED Video Light with its Bowens mount, demonstrating its compatibility with various light modifiers and its application in professional studio settings.

TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	4.8 x 9.35 x 9.45 inches
Item Weight	12.23 pounds
Item Model Number	3472-220D
Brand	SMALLRIG
Manufacturer	SmallRig
Connectivity Technology	Bluetooth
Hardware Interface	Lightning
Date First Available	February 18, 2022

TROUBLESHOOTING

- **Fan Noise:** The built-in fan operates to cool the unit. In silent mode, the fan noise is reduced, but so is the light's power output. If fan noise becomes excessively loud or unusual, ensure proper ventilation around the unit.

- **App Connectivity Issues:** If the SmallGoGo App loses connection with the light, try the following steps:
    a. Ensure Bluetooth is enabled on your mobile device.
    b. Restart the SmallGoGo App.
    c. If issues persist, remove the light from the app and re-pair it.

- **Light Output Reduction:** If the light output seems lower than expected, check if the silent cooling mode is active. Deactivating silent mode will restore full power.

Related Documents - RC 220D

	SmallRig LA-090 Octagonal Softbox - Operation Guide and Specifications This guide provides detailed information on the SmallRig LA-090 Octagonal Softbox, including its features, compatibility with SmallRig LED lights via Bowens Mount, and usage instructions.
	SmallRig RC220B COB LED Video Light User Manual User manual for the SmallRig RC220B COB LED Video Light, covering setup, operation, features, and specifications. Includes safety precautions and warranty information.
	SmallRig RA-L65/RA-L90 Lantern Softbox User Manual & Specifications Official user manual and specifications for the SmallRig RA-L65 and RA-L90 Lantern Softboxes. Learn about features, installation, warranty, and technical details of these versatile lighting modifiers.
	SmallRig FP-60 Quick-Setup Folding Parabolic Softbox: Operating Instructions and Specifications Comprehensive operating instructions, installation guide, and specifications for the SmallRig FP-60 Quick-Setup Folding Parabolic Softbox, featuring a Bowens mount and innovative quick-release structure.
	SmallRig FP-90 Quick-Setup Folding Parabolic Softbox - Operating Instructions & Specifications Comprehensive guide to the SmallRig FP-90 Quick-Setup Folding Parabolic Softbox, including setup, disassembly, specifications, and warranty information. Features Bowens mount compatibility and innovative quick-release structure.
	SmallRig Travel Video Tripod Kit User Manual User manual for the SmallRig Travel Video Tripod Kit, detailing its features, specifications, warnings, and warranty information. Includes instructions on setup, adjustments, and maintenance.