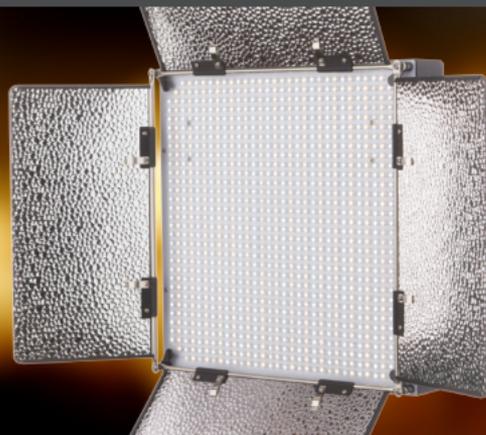


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# SpectroLED

STUDIO LIGHT

USER MANUAL



**G** genaray™

## SpectroLED INTRODUCTION

Thank you for choosing a Genaray SpectroLED Studio Light. The SpectroLED Studio light features a sturdy metal housing and produces bright, consistent, professional-quality light in a compact form.

The Studio series LED lights are available in 500-LED and 1012-LED versions. Each version comes in two variations: Daylight and Bi-Color. The Daylight version generates a 5600°K daylight-balanced light, and includes a tungsten filter to balance the light to 3200°K. The Bi-Color version has a variable color temperature that allows you to choose a color temperature from 3200°K to 5600°K.

Each light has a built-in dimmer and touch-screen control. LED lights produce very little heat, so the SpectroLED can be used for extended periods without overheating.

The SpectroLED Studio light is a superb modern fixture that will help you raise your lighting solutions to a higher level.

## KEY FEATURES

- Powerful, lightweight 500-LED or 1012-LED fixture
- Daylight version produces 5600°K light and includes a tungsten filter for 3200°K light
- Bi-Color version has adjustable color temperature from 3200°K to 5600°K
- Convenient touch-screen controls
- Daylight version has dimming from 100% to 0%
- Bi-Color version has dimming from 100% to 10%
- Wireless remote control included
- Removable mounting knuckle can be positioned for horizontal or vertical placement
- Includes easily removable diffuser with advanced light-dispersion characteristics
- Built-in barndoors have a hammered silver finish that reflects and intensifies light
- Built-in gel clips on barndoors allow precise light modification with color or diffusion gels
- Can be powered by Sony V-Type or Anton Bauer Gold batteries using optional battery plates

## CONTENTS INCLUDE

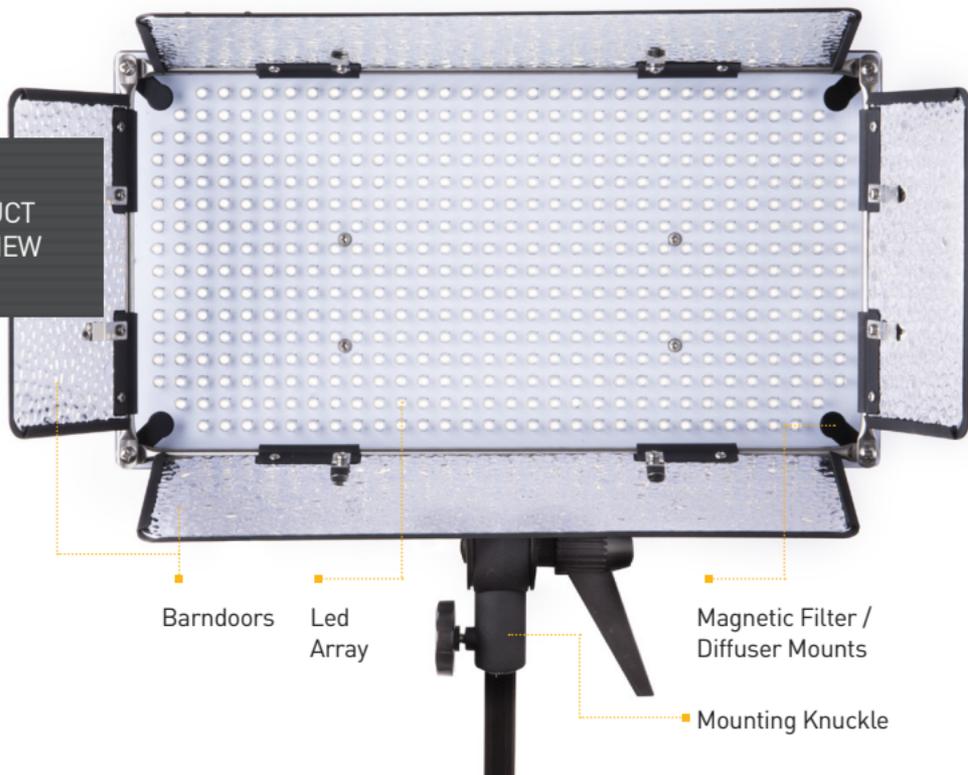
- Genaray SpectroLED Studio fixture (500 or 1012 LEDs)
- Removable adjustable mounting knuckle with ratchet lock
- Wireless remote control
- Diffusion filter
- Tungsten filter (Daylight version only)
- Two cable straps
- AC power cord and adapter
- User manual
- Carry case with shoulder strap
- One-Year Limited Warranty

## PRECAUTIONS



- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and all flammable gases or liquids.
- Make sure the unit is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Genaray will not be responsible for any damage.
- Handle the unit with care.
- Do not stare directly at the lights when they are powered on.
- Clean the unit with a soft, dry cloth.
- Keep this unit away from children.
- Use only parts provided by the manufacturer.
- Make sure the item is intact and that there are no missing parts.
- All photos are for illustrative purposes only.

PRODUCT  
OVERVIEW



Barndoors

Led  
Array

Magnetic Filter /  
Diffuser Mounts

Mounting Knuckle

SP-S-500 Filters



SP-S-1000 Filters



Wireless Remote Control



Locking Flange



Large Locking Wheel

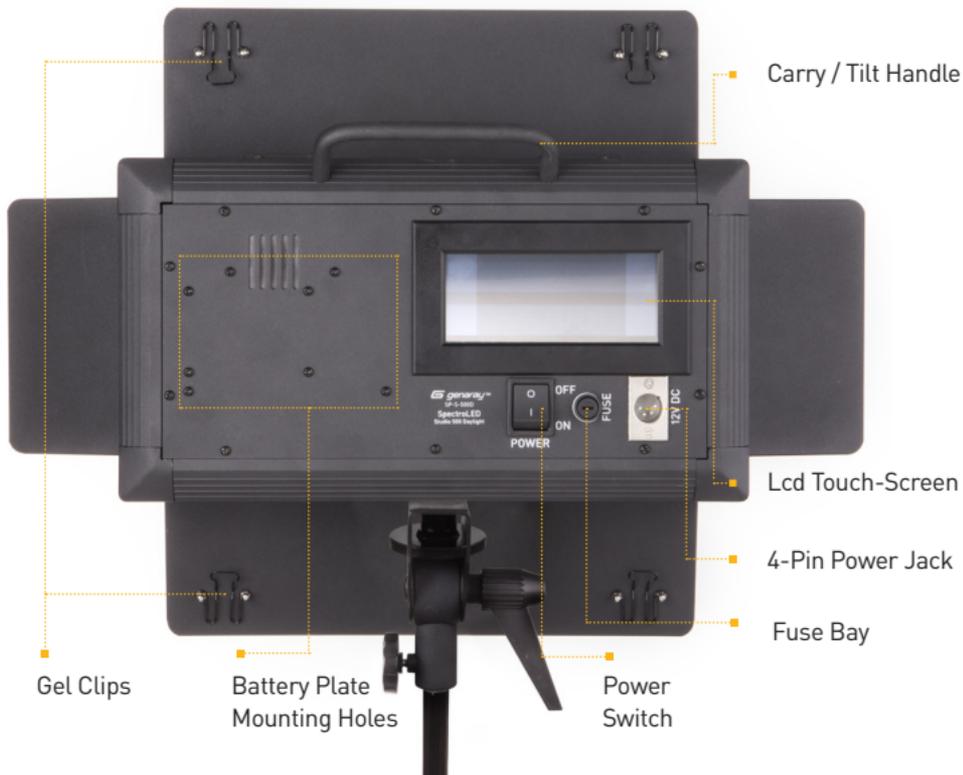
Ratchet Handle

Tightening Knob

Magnetic Diffusion Filter

Magnetic Tungsten Filter

PRODUCT  
OVERVIEW



Carry / Tilt Handle

Battery Plate  
Mounting Holes

Lcd Touch-Screen

Gel Clips

4-Pin Power Jack

Fuse Bay

Power  
Switch



## MOUNTING THE LIGHT

- The removable mounting knuckle has a ratchet handle for quick tightening and loosening. It can be placed anywhere along any of the four sides of the fixture, giving you precise control over placement of the light.
- To use the mounting knuckle, insert the locking flange into the enlarged section of the mounting groove that's along each side of the fixture. Slide the knuckle to the position you desire, and securely lock the large locking wheel.
- With the light mounted on a light stand, you can tilt the fixture 180° by loosening the ratchet handle, using the tilt handle to position the light, and then tightening the ratchet handle. You can remove the mounting knuckle from the fixture by

loosening the large locking wheel. Slide the knuckle to the enlarged section at one end of the groove, and remove the locking flange.



## POWERING THE LIGHT

- The Studio light operates on any 120/220 VAC circuit using the included adapter. A built-in fuse (located between the power switch and the power connector on the back of the fixture) provides overcurrent protection for electric circuits, and two spare fuses are included. To change the fuse, use a small screwdriver to turn the cover of the fuse bay counterclockwise while pressing in. Remove the old fuse, insert a new fuse into the bay, and replace the cover. Use a screwdriver to turn the cover clockwise while pressing in.
- To operate the light, open the barndoors, be sure the power button is Off, and plug the power cord into a 120 or 220 VAC circuit. Then, align the pins in the connector so that the release button is on the top of the connector and plug it into the power socket on the back of the light. Press the power switch to the On position and the light and the touch-screen will illuminate.
- The angled locking 4-pin power connector prevents accidental disconnection of the cable. The two included cable management straps can be used to attach the adapter and adapter cable to a light stand.
- The SpectroLED can also operate using a Sony V-Type or Anton Bauer Gold battery with an appropriate optional battery plate (available separately from Genaray). Battery plate mounting holes are located on the back of the fixture. Instructions for mounting a battery plate are included with the battery plate.

## TOUCH-SCREEN CONTROL

- A touch-screen on the back of the fixture gives you convenient control of dimming (for the Daylight and the Bi-Color versions) and of color temperature (for the Bi-Color version). Simple arrow controls are easy to read and easy to use. The fixture comes with a protective film covering the touch-screen. Please remove this protective film before using the light.
- On the touch-screen there are two sections, the Dimmer and the Color Temperature. The Dimmer section arrows are used to change the light output from 100% to 0% (for the Daylight version) or 100% to 10% (for

the Bi-Color version). The light output can be changed in 1% increments.

- The second section is for Color Temperature. On the Bi-Color version, you can use the arrows to change the color temperature in 100-degree increments from 3200°K to 5600°K. On the Daylight version, the color temperature is displayed (5600°K), but it cannot be changed.



## REMOTE CONTROL

- A wireless remote control is included with each Studio light. It can control both the Daylight and Bi-Color light fixtures, as well as multiple fixtures at once. You can use the remote to increase or decrease light output, adjust color temperature (Bi-Color version only), change light output in increments of 25% (Daylight versions only), and turn the power on or off.

## GROUPING AND SYNCHRONIZING LIGHTS

- In order to use the remote, it first has to be synchronized to the fixture. To sync, make sure that the desired fixture is powered on and within range of the remote (approximately 65 feet, or 20 meters). Press and hold the "A" and "D" buttons on the remote at the same time. The fixture will emit a long beep, indicating a successful synchronization.
- You could also synchronize multiple SpectroLED fixtures to a single remote, allowing you to control all synced lights in tandem. Syncing multiple lights works the same as syncing a single one – with the desired fixtures powered on, press and hold the "A" and "D" buttons on the remote.
- Note that while syncing, all fixtures that are powered on and within range will be synced. To sync some lights to one remote and some to another, first power on the first group, sync them, then turn them off. Then, power the second group on and sync those to the other remote. When all lights are turned on again, each will respond to the correct remote.

- **Note:** Since the remote controls the Daylight and Bi-Color fixtures differently, it is not recommended to sync a single remote to both types of lights. Rather, use at least two separate remotes in a setup incorporating both Daylight and Bi-Color lights.
- To remove a light from a group or to assign a different remote to an existing light, you will have to re-sync the desired light to a new remote. First turn off any lights that you do not wish to change. Then follow the usual steps for syncing a new remote – turn on only the fixture you wish to change, and press and hold the “A” and “B” buttons on the remote. The light is now synced to the new remote and all associations with the previous remote or group is removed.

## USING THE REMOTE

- There are four buttons on the remote control. All of the functions of the remote are activated by either pressing one button or by pressing two buttons at the same time. Each time a remote operation has been successfully executed, a red LED on the remote will illuminate, and the light fixture receiving the command will emit a beep. This beep can be disabled, if desired.
- In order to use the remote control, the power switch on the light fixture must be in the On position. If the switch is set to Off, the light will not respond to any command from the remote control. The remote can be used to power the light on or off.
- The remote control uses radio waves, so line-of-sight positioning of the light is not required.

	Daylight	Bi-Color
Synchronize	A + D (hold)	A + D (hold)
Dimmer up	A	A
Dimmer down	B	B
Color temperature up	-	C
Color temperature down	-	D
Power On/Off	D	C + D
Audio Confirmation Beep On/Off	A + B	A + B
Dimmer 25% Down*	C	-

\* This function allows for quick power adjustments. With the first press of the "C" button, the dimmer will jump to 100%. Each subsequent press will dim the light by 25%. It will cycle from 100%, then to 75%, 50%, 25%, and back up to 100%.

- To replace the remote control's 23A battery, use a small Phillips-head screwdriver to remove the screw on the back. Lift up the back plate, and swap out the old battery for a new one. Replace the back and securely tighten the screw in place. Always dispose of the old battery properly.

## MODIFYING THE LIGHT OUTPUT

- The light from this Studio fixture can be controlled and changed according to the effect you want. Barndoors and filters can shape the light or change the color or contrast for precisely the look you want.
- The included diffusion filter has magnetized mounts at each corner. It can be easily placed on the fixture by simply positioning it with the magnets



- oriented down towards the four metal mounts on the fixture. The magnets hold it securely in place. You can remove it quickly by sliding it off the magnetized areas.
- The 3200°K tungsten filter that's included with the Daylight version of the light also has magnetized mounts at each corner and operates in the same way as the diffusion filter.
- The barndoors can be opened and closed independently to prevent light from scattering to unwanted areas, or to precisely control where the light strikes.

- The two horizontal barndoors contain gel clips. You can modify the light with a color or diffusion gel (not included). Mount a gel by pressing down on the spring-loaded clips, then sliding one edge of your gel under them and releasing the clip. The gel will be held firmly in place. You attach the other side of the gel on the opposite door in the same way.



## STORING THE LIGHT

- When you're finished using the light, push the power switch to the Off position. Remove the power cord from the fixture by pressing the release button on the top of the connector and pulling the cord out of the fixture. Allow a few minutes for the fixture to cool down and then close the barndoors to protect the fixture during transport and storage. Always keep the barndoors closed when the light is not in use.

## PRODUCT SPECIFICATIONS

### SP-S-1000B (Bi-Color)

**LED Count:** 1012

**Color Temperature:** 3200°K to 5600°K

**Dimming:** 100% to 10%

**Watts:** 60

**Lux:** 6600 Lux @ 1m

**Coverage:** 60°

**CRI:** >93

**Bulb Life:** 50,000 hours

**Weight:** 8.3 lbs. (3.76 kg)

**Dimensions:** (H×W×L) 13.58 × 13.58 × 2.75"  
(345 × 345 × 70 mm)

### SP-S-1000D (Daylight)

**LED Count:** 1012

**Color Temperature:** 5600°K

**Dimming:** 100% to 0%

**Watts:** 60

**Lux:** 6600 Lux @ 1m

**Coverage:** 60°

**CRI:** >93

**Bulb Life:** 50,000 hours

**Weight:** 8.3 lbs. (3.76 kg)

**Dimensions:** (H×W×L) 13.58 × 13.58 × 2.75"  
(345 × 345 × 70 mm)

**SP-S-500B (Bi-Color)****LED Count:** 500**Color Temperature:** 3200°K to 5600°K**Dimming:** 100% to 10%**Watts:** 30**Lux:** 3400 Lux @ 1m**Coverage:** 60°**CRI:** >93**Bulb Life:** 50,000 hours**Weight:** 5.8 lbs. (2.63 kg)**Dimensions:** (H×W×L) 7.48 × 13.58 × 2.75"  
(190 × 345 × 70 mm)**SP-S-500D (Daylight)****LED Count:** 500**Color Temperature:** 5600°K**Dimming:** 100% to 0%**Watts:** 30**Lux:** 3400 Lux @ 1m**Coverage:** 60°**CRI:** >93**Bulb Life:** 50,000 hours**Weight:** 5.8 lbs. (2.63 kg)**Dimensions:** (H×W×L) 7.48 × 13.58 × 2.75"  
(190 × 345 × 70 mm)

## ONE-YEAR LIMITED WARRANTY

Genaray provides a limited warranty to the original purchaser that this product is free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. Genaray's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at Genaray's discretion, of any product that fails during normal consumer use. Inoperability of the product or part(s) shall be determined by Genaray. If the product has been discontinued, we reserve the right to replace it with a model of equivalent quality and function. To obtain warranty coverage, contact Genaray to obtain a return merchandise authorization ("RMA") number, and return the defective product to Genaray, along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk. This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, GENARAY MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

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The logo features a stylized, bold letter 'G' in a grey color. To its right, the word 'genaray' is written in a lowercase, italicized, sans-serif font. The 'g' and 'e' are in a yellow color, while the remaining letters are in a grey color. A small 'TM' trademark symbol is positioned at the top right of the word.