

SpectroLED

STUDIO 800/1200

LED LIGHT

USER MANUAL



G genaray®

SpectroLED INTRODUCTION

THANK YOU FOR CHOOSING GENARAY

The Genaray SpectroLED Studio Lights provide bright, continuous light with flicker-free dimming for photography and video shoots. They're ideal for studio work, but they're constructed to be sturdy and durable enough for location work as well.

SpectroLED fixtures are available with 800- and 1200-LED arrays that can operate on AC or battery power. Each fixture offers a brightness range of 100% to 10%, along with a high CRI for precise color accuracy and rendering. A diffuser is included for a softer wraparound light quality. Daylight models generate a 5600 K daylight-balanced light and include a tungsten filter to match other tungsten fixtures in your studio. The bi-color models offer a color temperature range from 3200 to 5600 K.

Each fixture includes a remote that will control any SpectroLED light from up to 65 feet away. It will also control the brightness and color temperatures of all SpectroLED lights in a multilight display. For additional light-shaping capability and light-spill control, an easy-to-install barndoor attachment is sold separately. The barndoors include removable silver intensifiers, and clips for attaching gels.

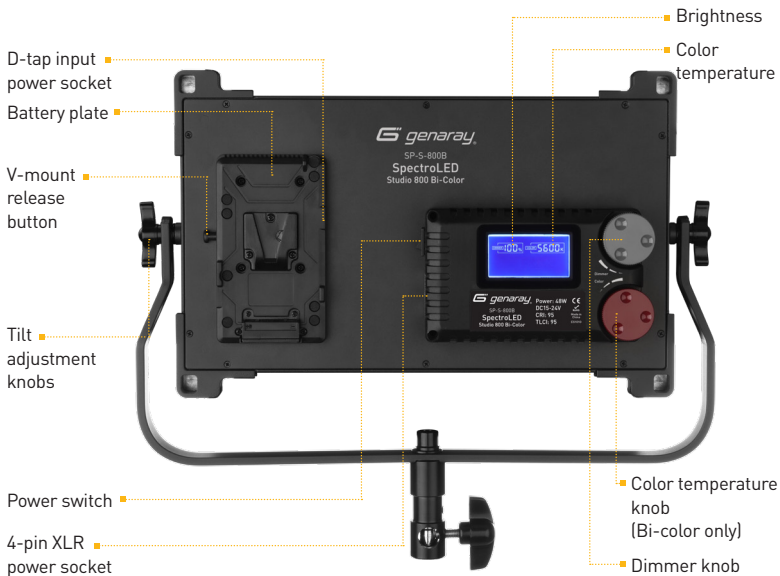
PRECAUTIONS



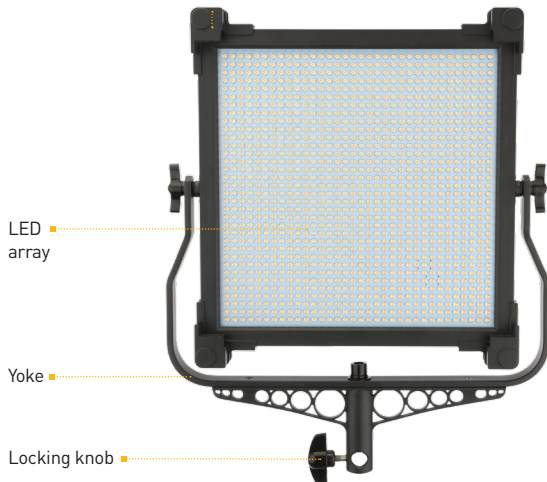
- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Make sure the unit is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble 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 only 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 images are for illustrative purposes only.

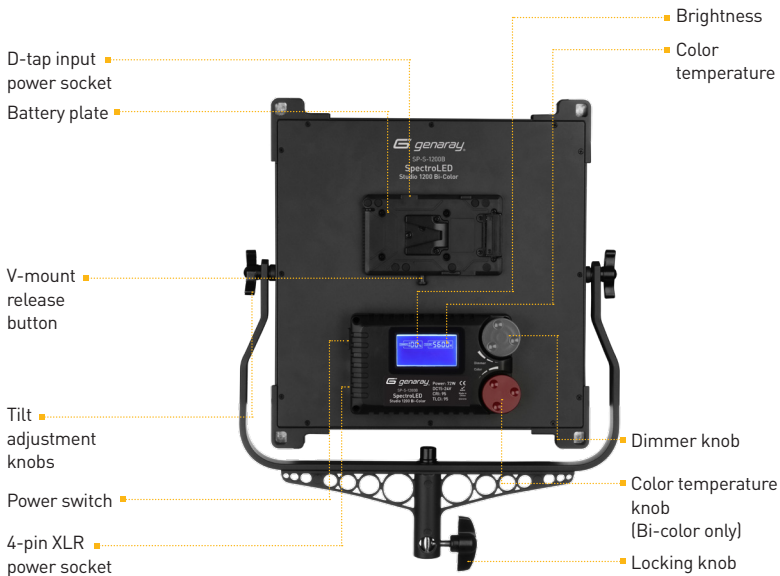
SP-S-800B/D1 OVERVIEW





SP-S-1200B/D1 OVERVIEW





CONTENTS INCLUDE

- AC adapter
- AC power cord
- Remote controller
- Diffuser
- Tungsten filter (Daylight models only)
- Carry case
- Shoulder strap

MOUNTING THE SPECTROLED

BABY-PIN STUD

Mount the fixture on any heavy-duty light stand with a 5/8-inch baby-pin stud, and turn the locking knob until secure.

JUNIOR-PIN RECEIVER

Remove the tilt adjustment knobs to mount the light into a 1½-inch junior-pin receiver.

POWERING THE SPECTROLED

The SP-S-1200 and SP-S-800 can be powered directly from an AC outlet or with one V-mount battery (not included).

USING THE SPECTROLED WITH AC POWER

Important ⚠️

The SP-S-1200 and SP-S-800 are multivoltage fixtures capable of running on 100 to 240 V, 50/60 Hz. The included cable has a 120 V, 50 Hz (North American) plug. To use this fixture with other voltages, you must use a plug adapter (sold separately).

Use the AC adapter and AC power cord to connect the fixture's 4-pin XLR socket to an AC outlet.

USING THE SPECTROLED WITH BATTERY POWER

The SP-S-1200 and SP-S-800 can be powered by a V-mount battery.

When attaching the battery, make sure the power switch is in the Off position, and the fixture is not plugged into a wall outlet.

A Gold Mount battery can be used by connecting it to the SP-S-1200 and SP-S-800 with a D-tap power cable (not included).

Use the battery's charge indicator to see remaining charge or runtime.

OPERATING THE SPECTROLED

Power the fixture on. The LCD screen will show the last setting that was used.

After powering on the light, set the brightness and color temperature by turning the knobs on the back of the fixture.

- Color temperature can be adjusted from 3200 to 5600 K in 100 K increments (bi-color models only).
- Brightness can be adjusted from 100% to 10% in 1% increments.

USING THE REMOTE

See also the Remote Function table on the right.

The included remote can control your SpectroLED from up to 65 feet away. One remote can control several lights.

To sync your SpectroLED fixtures with the remote, follow these steps:

1. Power on all SpectroLED fixtures.
2. Press and hold the A and D buttons until you hear a confirmation beep from the fixture(s).

Remote function	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	–

CHANGING THE BRIGHTNESS (ALL MODELS)

The A and B buttons control the brightness. Press the buttons to change the setting in 1% increments. Press and hold to rapidly scroll through the brightness range.

Multilight Setups

If the lights are set at different brightness levels, pressing the A or B button will raise or lower the brightness incrementally while maintaining the difference in their brightness levels.

CHANGING COLOR TEMPERATURE (BI-COLOR MODELS ONLY: SP-S-1200B1 / SP-S-800B1)

Press the C and D buttons to change the color temperature in increments of 100 K. Press and hold the buttons to rapidly scroll

through the color temperature range.

Multilight Setups

If the lights are set at different color temperatures, the remote will change the settings incrementally while maintaining the difference in their color temperatures.

AUDIO CONFIRMATION TONE

The audio confirmation tone is useful when the fixture's LCD screen is not visible, or when operating several lights at once.

To enable or disable the audio confirmation tone, press and hold the A and B buttons.

- All models of SpectroLED lights give an audio tone when they reach the top and bottom brightness levels.
- Bi-color models give a confirmation tone when they reach the top and bottom of the color temperature range.

SLEEP MODE

Sleep mode turns off the LED array without powering off the fixture. It's a convenient function to use to preserve bulb life and electricity when setting up new shots or taking a break. For multilight setups, the remote will put all synced fixtures to sleep at once, saving time and effort.

To put the lights to sleep or wake them, press and hold the D button (daylight models) or the C and D buttons (bi-color models).

DIMMER DOWN 25%

(DAYLIGHT MODELS ONLY: SP-S-1200D1 / SP-S-800D1)

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%.

REPLACING THE BATTERY

The remote operates on a 23 A, 12 V battery.

To replace the battery, access it by removing the screw on the back of the remote with a small Phillips screwdriver.

USING THE DIFFUSER AND FILTER

The SpectroLED includes a diffuser. A tungsten filter is included for daylight models. To attach the diffuser or filter, follow these steps:

1. Slide the bottom edge of the diffuser/filter under the lower tabs.
2. Slightly bend the diffuser/filter and fit the top edge under the upper tabs.



BARNDOORS

For attachment instructions, refer to the user manual included with the barndoors (available separately).

PRODUCT SPECIFICATIONS

SP-S-800B1 (Bi-Color)

SP-S-800D1 (Daylight)

LED count: 800 LEDs

Color temperature:

Bi-Color: 3200 (±150) to 5600 K (±300 K)

Daylight: 5600 K

Luminance:

Bi-Color: 3200 K: 2000 lx

4300 K: 4500 lx

5600 K: 2665 lx

Daylight: 5600 K: 5300 lx

Beam angle: 45°

CRI: >95

TLCI: 95

Maximum output power: 48 W

Working voltage: AC: 100–240 V, 50–60 Hz, 2.0 A
DC: 12 V, 5 A

Mount: 5/8 in. baby pin convertible to
1½ in. junior pin

Battery mount: Sony V-mount

Dimensions: Light only: 9.75 × 10.1 × 2.5 in.
(24.8 × 27.6 × 8 cm)
With yoke: 14.75 × 13.9 × 3.1 in.
(35.4 × 43.8 × 8 cm)

**Weight (with yoke,
without batteries):** 5.9 lb. (2.68 kg)

SP-S-1200B1 (Bi-Color)

SP-S-1200D1 (Daylight)

LED count: 1200 LEDs

Color temperature:

Bi-Color: 3200 (± 150) to 5600 K (± 300 K)

Daylight: 5600 K

Luminance:

Bi-Color: 3200 K: 2800 lx

4300 K: 6200 lx

5600 K: 3720 lx

Daylight: 5600 K: 7780 lx

Beam angle: 45°

CRI: >95

TLCI: 95

Maximum output power: 72 W

Working voltage: AC: 100–240 V, 50–60 Hz, 2.0 A
DC: 15 V, 6 A

Mount: 5/8 in. baby pin convertible to
1½ in. junior pin

Battery mount: Sony V-mount

Dimensions: Light only: 13.9 × 12.7 × 3 in.
(35.3 × 32.2 × 7.7 cm)
With yoke: 18.5 × 15.25 × 3 in.
(47 × 38.7 × 7.7 cm)

**Weight (with yoke,
without batteries):** 6.5 lb. (2.95 kg)

ONE-YEAR LIMITED WARRANTY

This Genaray product is warranted to the original purchaser to be 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 use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by Genaray. If the product has been discontinued, Genaray reserves the right to replace it with a model of equivalent quality and function.

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.

To obtain warranty coverage, contact the Genaray Customer Service Department 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 and expense.

For more information, or to arrange service, visit www.genaray.com or contact us at info@genaray.com.

© 2018 Genaray. All Rights Reserved.

