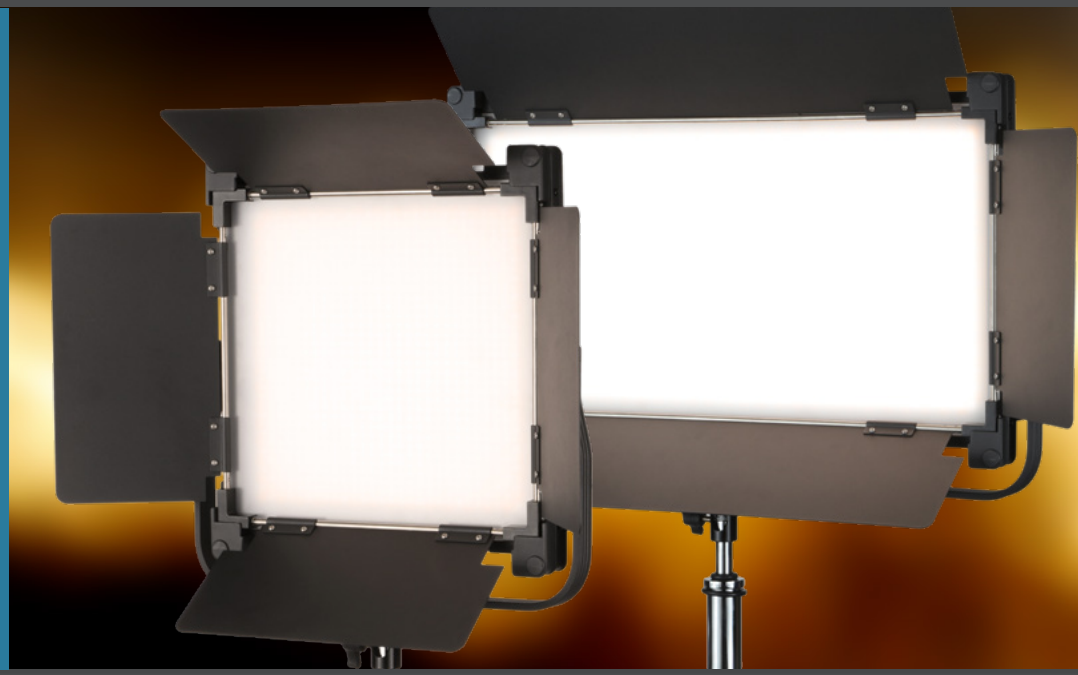
SQ-60 / TW-120

Square 60 / Twin 120

BI-COLOR LED PANELS

USER MANUAL



genaray®

Square 60 / Twin 120
INTRODUCTION

THANK YOU FOR CHOOSING GENARAY

The Genaray Square 60 and Twin 120 Bi-Color LED Panels are bright, soft, and portable lighting tools for photographers and videographers. Change the color temperature and brightness from 2700 to 6500 K for warm to cool tones, and 0% to 100% for dim to brightly lit photos. The built-in diffuser softens and spreads the light output while the barndoors allow additional light shaping. 11 effects provide creative tools for scene lighting, like mimicking a lightning storm or a group of paparazzi.

Power the light on location or in the studio with a V-mount battery (not included) or plug it directly into a wall outlet. Change settings on the fly with the light hooked up to a DMX board for hands-on control.

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 use 26-volt V-mount batteries with this fixture. Doing so will damage the unit and void the warranty.
- Do not attempt to disassemble or repair the equipment—doing so may expose you to electric shock and will void the warranty. 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.
- Keep this product away from children.
- Clean the unit with only a soft, dry cloth.
- Images are for illustrative purposes only.

Light Fixture - Front



Light Fixture - Back



D-tap output power socket

V-mount battery plate

V-mount release button

5-pin DMX output socket

5-pin DMX input socket

4-pin XLR power socket

Tilt adjustment knob

Selector switch

Power switch

Setting buttons

LCD

CONTENTS INCLUDE

- LED panel with yoke
- V-mount AC adapter with 4-pin XLR connector
- Power cord
- Barndoors

MOUNTING THE LED PANEL

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

Remove the locking knob to mount the light into a 1¼-inch junior receiver.



POWERING THE LED PANEL

The light can be powered directly from an AC outlet or by a V-mount battery (not included).

AC POWER

Important ⚠ ⚡
The light is a variable-voltage fixture capable of running on 100–240 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).

Slide the V-mount AC power adapter into the V-mount plate until it clicks. Connect the 4-pin XLR connector to the 4-pin XLR power socket, and plug the power cable into the AC adapter and an outlet.

To remove the AC adapter, press the V-mount release button, and slide the adapter out of the mount.



BATTERY POWER

The light 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.

Slide the V-mount battery into the V-mount plate until it clicks.

To remove the AC adapter, press the V-mount release button, and slide the adapter out of the mount.

Note
You can connect a Gold mount-style battery to the light with a D-tap power cable (not included).

USER INTERFACE

Open the barndoors and turn on the light. The LCD will show the last setting that was used.



SETTINGS

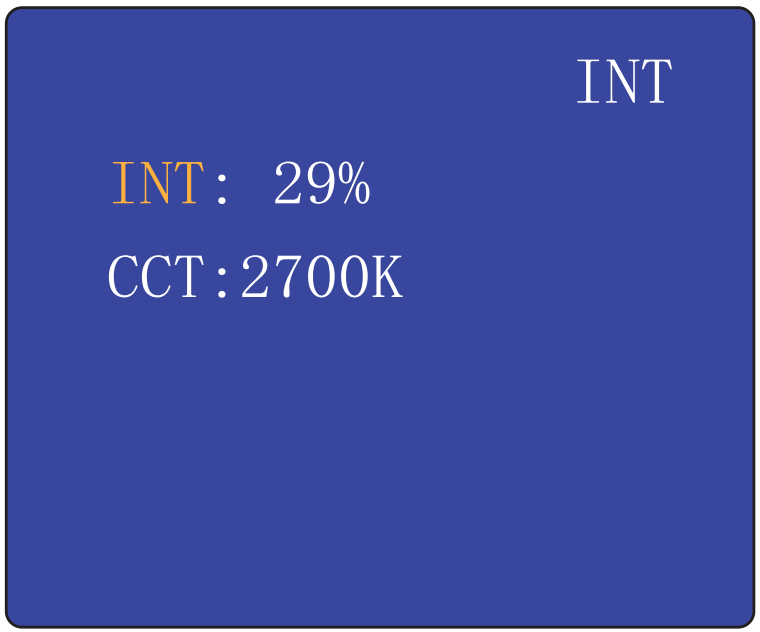
SETTING BUTTONS

Press one of the setting buttons to enter the setting.

SELECTOR SWITCH

Rotate the selector switch to adjust the value of the highlighted setting.

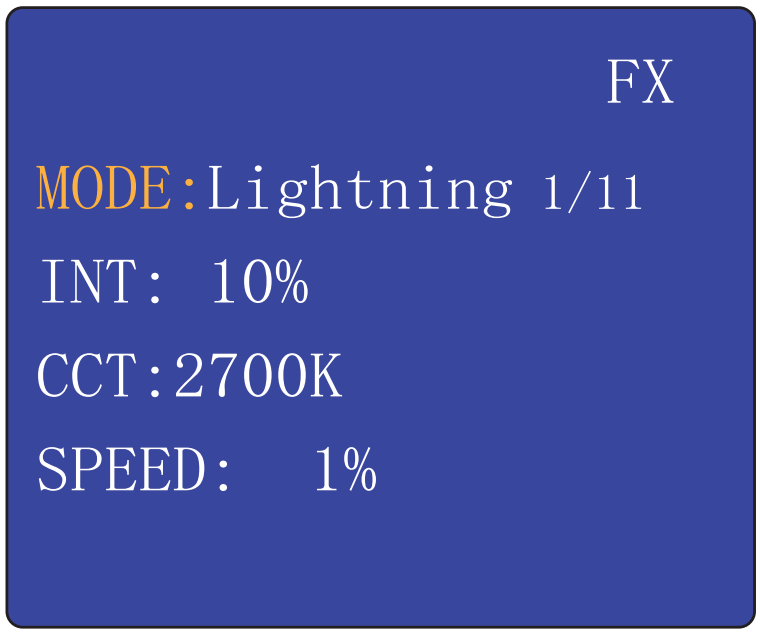
Press the selector switch to toggle the highlighted setting. This is necessary only if there are multiple settings on a page.



INT/CCT - INTENSITY AND COLOR TEMPERATURE

INT: Adjusts the brightness intensity from 0% (off) to 100%.

CCT: Adjusts the color temperature from 2700 to 6500 K in 100 K increments.



FX – LIGHTING EFFECTS

Mode: Selects the lighting effects mode from 1 to 11.

Int: Adjusts the lighting effect's brightness intensity from 0% (off) to 100%.

CCT: Adjusts the color temperature from 2700 to 6500 K in 100 K increments.

SPEED: Adjusts the speed of the lighting effect from 0% to 100%.

EFFECTS

Lightning: Simulates lightning with short bursts of light.

Fireworks: Simulates the effect of fireworks with pulses of color and white light.

Flash: Constant flashing light.

Breath: Light fades in and out like breathing.

Cop Car: Simulates emergency flashing lights.

SOS: Flashes Morse code SOS distress signal.

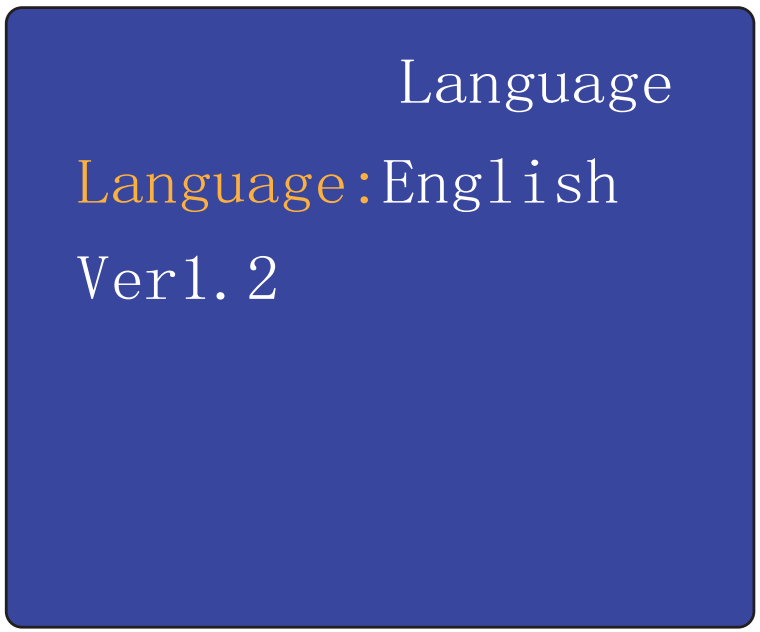
Fault Light: Simulates a faulty light with inconsistent flickering.

Turn Signal: Simulates the blinking turn signal of a car.

Tracing: Outputs one flash followed by two quick flashes.

Screen: Simulates the changing brightness of a TV screen.

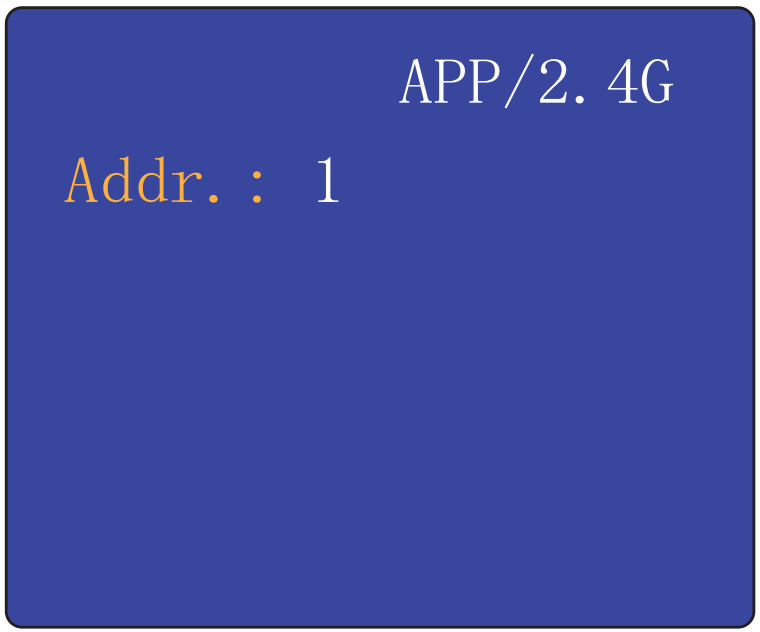
H&L Beam: Outputs alternating high- and low intensity flashes.



LANG. – DISPLAYED LANGUAGE

Language: Selects the on-screen display language. Choose English or Chinese.





DMX – DMX CHANNEL

Addr: Changes the DMX channel from 01 to 512.

2.4G - REMOTE CHANNEL

Addr: Adjusts the wireless remote channel from 1 to 12, and RMT_OFF (remote off).

Note
This feature is not yet available and will be released in a future update.

REMOVING THE BARNDOORS

The barndoors come attached. To remove them, press down on the frame's top two corners until the barndoor is free from the locking tabs, and remove.



USING DMX

The light supports DMX-512 so the light's settings can be remotely controlled from a DMX lighting control console.

Important!
Make sure the DMX address on the light matches the DMX console.

To setup DMX operation on the light, follow these steps:

1. Use a 5-pin XLR cable to connect a DMX controller to the light's DMX input socket.
2. Press the DMX button to activate DMX mode.
3. Turn the selector switch to select a DMX address.

PRODUCT SPECIFICATIONS

SQ-60

LED count: 896

Color temperature: 2700 (±150) to 6500 K (±300 K)

Luminance: 2670 lx @ 3 ft.
2230.5 lx @ 1 m

Coverage: 120°

CRI: 94.2

TLCI: 98

Output power: 60 W

Effects: 11

Working voltage: AC: 100–240 V
DC: 15 V

Battery type: V-mount (14.8 V max)

Mount:
5/8 in. baby pin, convertible to 1¼ in. junior pin

Power supply output: 15V⎓4.8A; 72 W

Cable length: 12.8 ft. (3.9 m)

Dimensions (H × W × D):
Light: 13.1 × 11.9 × 2.6 in. (33.4 × 30.3 × 6.6 cm)
With yoke: 16.2 × 14.1 × 2.6 in. (41.3 × 36 × 6.6 cm)

Weight: 7.8 lb. (3.5 kg)
(with barndoors and yoke, without batteries)

TW-120

LED count: 1792

Color temperature: 2700 (±150) to 6500 K (±300 K)

Luminance: 5270 lx @ 3 ft.
4402.5 lx @ 1 m

Coverage: 120°

CRI: 94.2

TLCI: 98

Output power: 120 W

Working voltage: AC: 100–240 V
DC: 15 V

Battery type: V-mount (14.8 V max)

Mount:
5/8 in. baby pin, convertible to 1¼ in. junior pin

Power supply output: 15V⎓10A; 150 W

Cable length: 12.8 ft. (3.9 m)

Dimensions (H × W × D):
Light only: 13.1 × 21.4 × 3.1 in. (33.4 × 54.3 × 7.9 cm)
With yoke: 16.25 × 23.6 × 3.1 in. (41.3 × 60 × 7.9 cm)

Weight: 10.7 lb. (4.85 kg)
(with barndoors and yoke, without batteries)

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.

© 2023 Genaray. All Rights Reserved.

GG3