



THANK YOU FOR CHOOSING GENARAY.

The Genaray Torpedo RGB features a large 4.5-inch focusing lens to focus its spot-to-flood beam from 15° to 40° for ideal key, fill, and accent light applications. With a peak intensity of over 26,100 lux, this light is perfect for video, theaters, and houses of worship. In addition to a color temperature range of 2800 to 6500 K, the Torpedo RGB offers full-spectrum RGB functionality. Accurate color temperature and green/magenta shift adjustment allow this fixture to conform to natural or artificial ambient lighting conditions, and you can tune it to match other fixtures in your setup. Several operating modes let you get the most out of the RGB capabilities, and the twenty built-in programmed effects add realistic animation to your videos.

The Torpedo RGB runs on AC and battery power and is operated via the simple control panel or the Torpedo RGB app from up to 100 feet away. It can also be operated via DMX 512 protocols. DMX input and output ports allow for daisy chaining and using this light with a DMX universe.

PRECAUTIONS

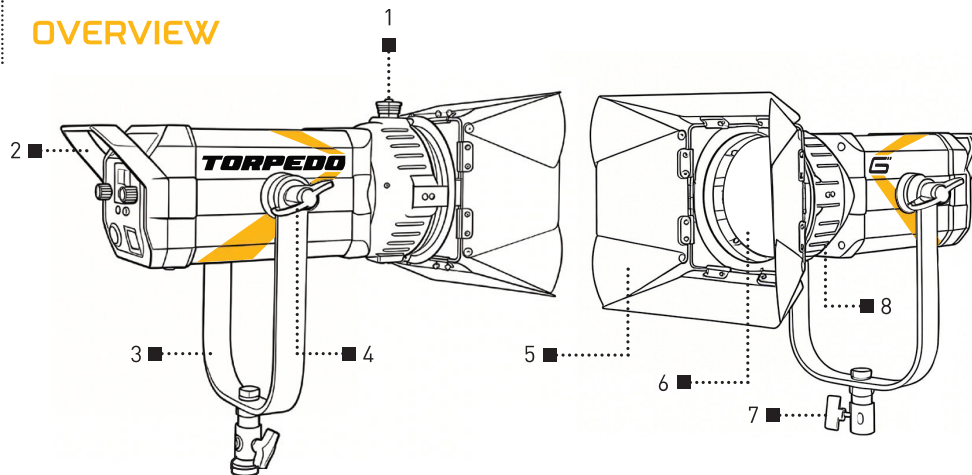


- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Make sure this unit is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Genaray will not be responsible for any damage.
- Always use a steel safety cable (not included) when suspending a light fixture or other assembly
- Do not cover or place objects on the light's ventilation holes.
- 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.
- All images are for illustrative purposes only.

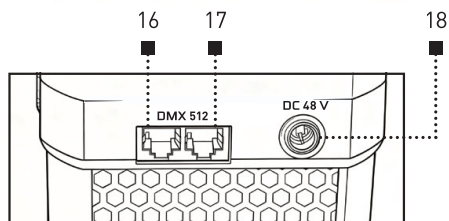
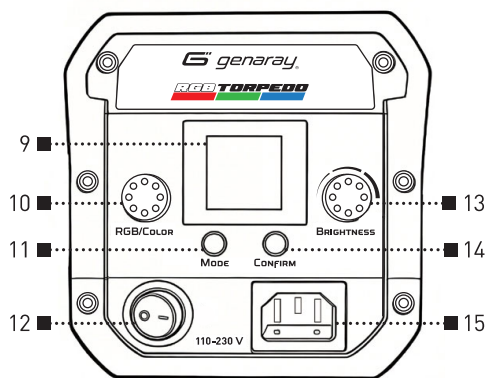
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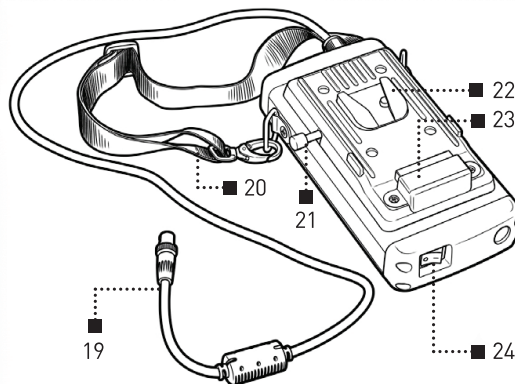
OVERVIEW



- | | | |
|---------------------|--------------------|---------------------|
| 1. Barndoor latch | 7. Locking T-knob | 13. Brightness knob |
| 2. Handle | 8. Focusing ring | 14. Confirm button |
| 3. Yoke | 9. LCD screen | 15. AC power plug |
| 4. Tilt locks | 10. RGB/Color knob | 16. DMX in port |
| 5. 8-way barn doors | 11. Mode button | 17. DMX out port |
| 6. Fresnel lens | 12. Power switch | 18. DC power plug |



Bottom View



BLT-RGB-PS Power Station (SOLD SEPARATELY)

- 19. Power cable
- 20. Adjustable hang strap
- 21. Battery release latch
- 22. V-mount plate
- 23. Battery terminal
- 24. Power station on/off switch

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ATTACHING THE BARNDOORS

1. Lift the barndoor clip and turn it to the side.
2. Slide the barndoors into the outer or inner barndoor slots.
3. Lift the barndoor clip and turn it so the lip fits over the barndoors' edge. Press it down to lock the barndoors in place.
4. Rotate the barndoors to the desired orientation and adjust them to shape the beam and prevent light spill.

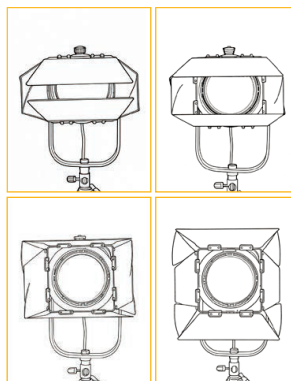


BARNDOOR ADJUSTMENT

Adjust the 8-leaf barndoors to shape the beam and prevent light spill.

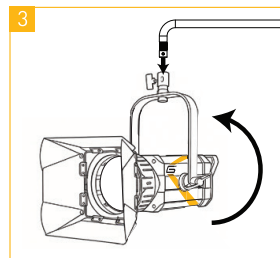
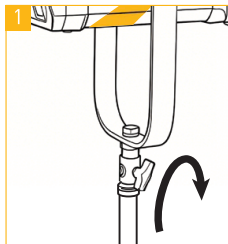
The single-piece barndoors should be at the top and bottom of the light, and the 3-leaf barndoors should be on either side.

Examples of barndoor alignment:



MOUNTING ON A LIGHT STAND

1. Loosen the yoke's locking knob and fit the receiver over the light stand's 5/8-inch stud. Tighten the locking knob until secure.
2. Loosen the tilt locks and adjust the light's tilt angle. Tighten the tilt lock until secure.



1. Loosen both tilt locks and swing the yoke over the light so the yoke's receiver points up. Then securely tighten the tilt locks.
2. Loosen the yoke's locking knob and fit the receiver over the baby pin mount. Tighten the locking knob until secure.
3. Loosen the tilt locks and adjust the light's tilt angle as desired. Tighten the tilt locks until secure.

Important! When suspending the fixture from a ceiling mount or boom arm, prevent overheating by making sure the top ventilation holes are facing up.

SUSPENDING THE LIGHT FROM AN OVERHEAD STUD

Always use a steel safety cable (not included) when suspending a light fixture or other assembly.

POWERING THE TORPEDO RGB

Before You Start

The BLT-150RGB should not run simultaneously on AC and battery power. Always disconnect the power source that is not being used before operation.

AC Power

Important! The Torpedo is a multi-voltage fixture that's capable of running on 120 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, use a plug adapter (available separately.)

Battery Power

The Torpedo RGB will operate with a 14.8V V-mount battery connected to the BLT-RGB-PS Power Station (sold separately).

1. Connect the Power Station's DC cable to the Torpedo and tighten the cable's locking ring.

2. Attach a 14.8V V-mount battery to the Power Station.
3. Turn on the Power Station's power switch.
4. Turn on the light's power switch.

Note

The Power Station comes with a removeable hang strap. Adjust the length and hang the Power Station on the light stand that's supporting the Torpedo RGB.

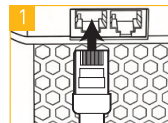
Important!

- When the Power Station is powered on, its fan runs automatically to dissipate internal heat.
- Do not block or cover the ventilation holes.
- When the Power Station is in use, do not place the surface with the ventilation holes face down.
- After using the Power Station, remove the battery. Do not store the Power Station with the battery attached.

DMX

The Torpedo RGB supports DMX 512 for use with multi-light setups that are controlled with a DMX console.

1. Plug the DMX cable's RJ45 connector into the DMX In port on the bottom of the Torpedo RGB.
2. Connect the light to your DMX system with a standard 3-pin DMX cable.



DMX Functions

DMX Channel	Value	Percent	Function
1	0-255	0-100	Intensity
2	0-255	0-100	Color temperature
3	0-6	0-6	Neutral / no effect
	16-119	7-47	-100% to -1%
	120-142	48-56	Neutral / no effect
	143-255	57-100	1% to 100%
4	0-127	0-49	Cross Fade to RGB Color
	128-255	50-100	Cross Fade to HSI
5	0-255	0-100	Intensity red / Hue
6	0-255	0-100	Intensity green / Saturation
7	0-255	0-100	Intensity blue / Intensity

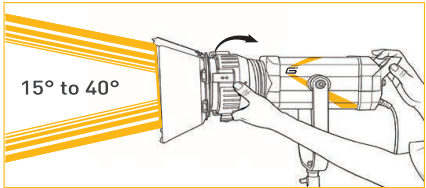
Note

DMX channel 4 has two functions: Push the fader down to the bottom for HSI mode (0-127). Push the fader up to the top: RGB mode (128-255).

FOCUSING THE LENS

Turn the focusing ring on the front of the light to lengthen or shorten the focal length between the LED display and the lens.

The light has a focusing range of 15° to 40°.



Turn the focusing ring clockwise to decrease the focal length and widen the beam.

Turn the focusing ring counterclockwise to increase the focal length and narrow the beam.

USER INTERFACE

Mode button: Press to access the list of operating modes.

Confirm button: Press the Confirm button to open the highlighted operating mode.

RGB/Color knob and Brightness knob: The functions of the two knobs differ in the operating modes. Follow the instructions below to use both controls within each operating mode.

SELECTING AN OPERATING MODE

Press the Mode button and use the RGB/Color button to scroll to the desired operating mode.

BH
CCT HS
SILENCE
SPECIAL
HSI
RGB

Press the Confirm button, and the mode's menu will appear.

When entering the operating mode, the light will recall the previous settings.

CCT/HS Mode

CCT /Hue Shift mode controls the color temperature, brightness, and the green/magenta balance.

BH	
K	6100
	82%
GM	0%

RGB/Color knob: Adjusts the temperature from 2800 to 6500 K in 100 K increments.

Brightness knob: Adjusts the intensity from 0% to 100% in 1% increments.

Press the RGB/Color knob to select G/M (green/magenta). The G/M icon will blink. Turn the Brightness knob to adjust the tint from full magenta (-100%) to full green (+100%). Press the RGB/Color or Confirm knob to confirm the selection.

SILENCE Mode

Use silent mode to shut off the internal cooling fans. Silence mode is useful when recording dialog with sensitive microphones that can pick up fan noise.

Silence Mode is similar to CCT mode. To prevent overheating, the maximum brightness is automatically decreased to 25%.

Green/magenta tint adjustment is not available in Silence mode.

To exit silence mode, press the Mode button and use the RGB/Color button to scroll to another operating mode, and press the Confirm button. The fan will resume operation in the new selected mode.

SPECIAL Mode (Effects)

Twenty programmed effects are built into the Torpedo RGB.

On the mode selection menu, scroll to SPECIAL and press Confirm. The last effect that was used will automatically start to play.

BH	
R:004	G:003
B:000	F:2
	

Turn the Brightness knob to scroll through the effects, represented by icons along the bottom of the screen. Each effect will play as it is selected.

Each editable effect is accessed by turning the RGB/Color knob. When the parameter blinks, turn the Brightness knob to adjust the value and press the Confirm button to accept the change and scroll to the next value.

Parameters:

B: Brightness

K: Color temperature

F: Speed

Flash 1 and 2 Parameters:

K: Color Temperature

R: Red

G: Green

B: Blue

F: Frequency (Speed)

List of Effects



Flash 1: Rapid short pulses of white light.



Flash 2: Rapid pulses of a programmed RGB color light.



Candle: Simulates the warm light of a flickering candle with varying yellow and orange hues.



Cycle 1: Repeatedly cycles through the color wheel.



Cycle 2: Repeatedly cycles through the color wheel in the opposite direction as Cycle 1.



SOS: Repeated short and long white bursts in an SOS (---, —, ---) pattern.



Lightning 1: Two short white bursts repeated at 5-second intervals.



Lightning 2: One long, two short, one long white burst(s) repeated at 4-second intervals.



TV: Simulates the flickering glow from a television.



Warning 1: Simulates the flashing lights of an emergency vehicle with alternating rapid flashes of red and blue light.

HSI MODE

HSI (Hue, Saturation, Intensity) mode lets you scroll through the entire color wheel (hue) and adjust the saturation and intensity levels.

BH
HUE:006
SAT : 100
INT : 100

On the mode selection menu, scroll to HSI and press Confirm.

RGB/Color knob: Select Hue, Saturation, or Intensity to adjust each value.

Brightness knob: Adjust the values. Hue from 0° to 360°, Saturation from 100 (full saturation) to 0 (white light), and brightness from 0% to 100%.

-  **Warning 2:** Alternating double flashes of red and blue with a short pause between cycles.
-  **Warning 3:** Alternating triple flashes of red and blue with a shot pause between cycles.
-  **Paparazzi:** Simulates camera flash bulbs with short, randomly timed bursts of bright white light.
-  **Bad Bulb:** Simulates a flickering light fixture with random short and long intervals.
-  **Breathe:** Resembles breathing with steady pulses of warm white light.
-  **Party:** Steady light with short intervals of red, green, blue, yellow, and pink.
-  **Scene Blue:** Steady blue light.
-  **Scene Green:** Steady green light.
-  **Scene Pink:** Steady pink light.
-  **Scene Yellow:** Steady yellow light.

RGB Mode

RGB mode lets you select a color by setting the individual red, green, and blue light levels.

On the mode selection menu, scroll to RGB and press Confirm.

RGB/Color knob: Select red, green, or blue to adjust each value.

Brightness knob: Adjust the R, G, and B values from 0 to 255.

BH	
R:	252
G:	00
B:	254

Gel Mode

The Torpedo RGB has 24 preset gels that simulate popular industry-standard gels.

On the mode selection menu, scroll to RGB and press Confirm. An RGB representation of each gel appears onscreen.

BH	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
BRIGHT: 254	

RGB/Color knob: Selects a gel from 1 to 24.

Brightness knob: Adjusts the intensity from 100% to 0%.

CURVES MODE

Curves mode adjusts the light's brightness by determining the relationship between the brightness knob and the light's output.

RGB/Color knob: Selects between the curve, color temperature, and brightness parameters.

Brightness knob: Selects the curve type and adjusts the color temperature and brightness value.

SETTING THE DMX ADDRESS

Curve Types

 **Linear (default):** The brightness is directly proportional to the brightness knob for smooth and even brightness adjustment.

 **Logarithmic:** The brightness changes slowly and offers finer control at low brightness and more rapid control at higher brightness.

 **Square:** The brightness changes rapidly at low light levels and offers fine control at the brighter levels.

 **S-Curve:** Offers finer control at the lowest and highest brightness levels and more rapid control in the middle.

1. On the mode selection menu, scroll to DMX ADD and press Confirm. The most recent DMX channel setting will appear onscreen.
2. Turn the RGB/Color knob to highlight the numeral you want to set and turn the Brightness knob to change the number.
3. Repeat with all three digits. The highest DMX channel is 512.

Note

If you want to set the DMX channel to 1, you must set the channel number to 001.

PRODUCT SPECIFICATIONS

Light

LED Chip Type: 5-color light engine

Tilt Angle: +60° to -60°

Color Temperature: 2800 to 6500 K

Cooling system: Light: internal fan
Bucky Booster: Internal fan

Dimming: 0% to 100%

Display: LCD

Housing Material: ABS plastic

Light Intensity (@ 1 m): CCT: 33,100 lx (focused)
21,150 lx (wide)

Fresnel Focusing Range: 15° to 40°
(without barndoors)

I/O: AC Power input: 3-prong male
(IEC 60320 / C14)
DC Power input: 3-pin XLR male
DMX: RJ45 (x2)

Expected Lamp Life: 50,000 hr.

Dimensions: Light: 14 × 6.4 × 5.5 in.
(35.6 × 16.3 × 14 cm)
Yoke: 8.5 × 8.25 × 1.1 in.
(21.6 × 20.9 × 2.8 cm)

Weight: 8.8 lb. (4 kg)

Mounting

Fixture Mount: 5/8 in. receiver

Yoke

Material: Aluminum

Yoke Type: Bracket

Tilt: 180°

Remote Operation

Remote Control Type: DMX, Bluetooth

Number of DMX Channels: 512

DMX channels: 999

Power

AC Input Power: 120 to 240 V, 50/60 Hz

Battery: V-mount (14.8 V only)

Max Power Consumption: 200 W

Power Source: External

BLT-RGB-PS Power Station
(sold separately)

DC Voltage: 14.8 to 43 V

Cable Length: 5.3 ft. (160 cm)

Compatibility: V-mount

Dimensions (H × W): 7.5 × 3.9 in. (19 × 10 cm)

Weight (w/o battery): 1.8 lb. (0.8 kg)

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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.



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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

