

Genaray BLT-60B

Genaray Torpedo LED Bi-Color Focusing Flood Light User Manual

Model: BLT-60B

INTRODUCTION

The Genaray Torpedo LED Bi-Color Focusing Flood Light is a versatile and powerful lighting solution designed for both studio and on-location use. Its compact form factor, variable beam spread, and bi-color capabilities make it an essential tool for photographers and videographers. This manual provides detailed instructions for the setup, operation, and maintenance of your Torpedo LED light.

Please read this manual thoroughly before using the product to ensure safe and optimal performance. Keep this manual for future reference.

PRODUCT OVERVIEW & KEY FEATURES

The Torpedo LED light features a robust design with advanced functionalities:

- **Fresnel Lens:** Offers an adjustable beam spread from a wide 75° flood to a tight 15° spot, ideal for various lighting scenarios.
- **Bi-Color Output:** Color temperature is adjustable from 3200K (warm tungsten) to 5600K (daylight), providing flexibility to match ambient light or other fixtures.
- **High Color Accuracy:** Boasts high CRI (Color Rendering Index) and TLCI (Television Lighting Consistency Index) ratings of 95.8/98, ensuring accurate color rendition.
- **Stepless Dimming:** Brightness can be continuously adjusted from 1% to 100% for precise light control.
- **Multiple Power Options:** Can be powered by the included multi-voltage AC adapter or optional 7.4V NP-F style batteries, and includes a D-Tap cable for V-mount or Gold mount batteries.
- **Efficient Cooling:** Features a thermo-controlled fan that activates when needed, extending LED life to 50,000 hours while operating quietly.
- **Light Modifiers:** Comes with detachable barndoors for beam shaping, and includes diffusers and color filters for light quality customization.
- **Integrated Umbrella Channel:** The mounting bracket includes a channel for attaching photographic umbrellas.

COMPONENTS AND WHAT'S IN THE BOX

Upon unpacking, ensure all the following items are present:

- Genaray Torpedo LED Bi-Color Focusing Flood Light Unit
- Multi-Voltage AC Adapter
- D-Tap Cable
- Detachable Barndoors
- Diffusers (2x)
- Color Filter Set
- Carrying Case
- User Manual (this document)



Figure 1: The Genaray Torpedo LED Bi-Color Focusing Flood Light with its barndoors attached, showcasing its compact design and robust build.

SETUP

Follow these steps to set up your Torpedo LED light:

1. Mounting the Light:

Attach the Torpedo light to a standard light stand using the integrated mounting bracket. Secure it by tightening the locking knob on the stand mount. Adjust the tilt angle of the light using the side locking knobs on the yoke.



Figure 2: The Torpedo LED light mounted on a light stand, demonstrating its compatibility with standard studio equipment and an umbrella.

2. Attaching Barndoors:

Align the barndoors with the front of the light fixture and secure them using the integrated clips or screws. Ensure they are firmly attached before operation.



Figure 3: Front view of the Torpedo light with its four-leaf barndoors fully opened, ready for beam shaping.

3. Powering the Light:

- **AC Power:** Connect the included multi-voltage AC adapter to the power input port on the light and then plug it into a wall outlet.

- **Battery Power (Optional):** For portable use, insert compatible 7.4V NP-F style batteries into the battery slots on the rear of the unit. Alternatively, connect a V-mount or Gold mount battery using the provided D-Tap cable.
Note: Only use 7.4V NP-F batteries with this unit.

OPERATING INSTRUCTIONS

Familiarize yourself with the control panel located on the rear of the light unit.



Figure 4: Detailed view of the Torpedo LED light's control panel, showing the display, power button, mode button, and adjustment buttons for dimmer and color.

1. Power On/Off

Press the **ON/OFF** button located on the control panel to power the light on or off. The display will illuminate when the unit is active.

2. Adjusting Brightness (Dimming)

Use the **UP** and **DOWN** buttons next to the "DIMMER" indicator on the display to adjust the light intensity from 1% to 100%. The current dimming percentage will be shown on the display.

3. Adjusting Color Temperature

Press the **MODE** button to switch to color temperature adjustment mode. Use the **UP** and **DOWN** buttons next to the "COLOR" indicator to change the color temperature between 3200K and 5600K. The selected Kelvin value will be displayed.

4. Focusing the Beam (Fresnel Lens)

The Torpedo light features an adjustable Fresnel lens. Rotate the yellow ring located near the front of the light fixture to adjust the beam spread. Rotate clockwise for a tighter spot (15°) and counter-clockwise for a wider flood (75°).



Figure 5: Side profile of the Torpedo light, highlighting the yellow focusing ring that adjusts the beam from flood to spot.

5. Using Barndoors and Filters

The included barndoors can be used to shape the light beam and prevent spill. Adjust each leaf individually to control the light spread. The light also supports the use of diffusers and color filters (included) which can be inserted into the accessory slot at the front of the light to modify light quality and color.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Genaray Torpedo LED light:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light. For the Fresnel lens, use a lens cleaning solution and a microfiber cloth to avoid scratches. Do not use harsh chemicals or abrasive cleaners.
- **Fan Maintenance:** The light features a thermo-controlled fan. Ensure the ventilation slots are not obstructed to allow proper airflow. Do not attempt to clean the internal fan yourself; if issues arise, contact customer support.
- **Storage:** When not in use, store the light in its carrying case in a cool, dry place, away from direct sunlight and excessive humidity.
- **Battery Care:** If using optional batteries, follow the manufacturer's guidelines for charging, discharging, and storing them. Remove batteries if the light will not be used for an extended period.

TROUBLESHOOTING

If you encounter issues with your Torpedo LED light, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; AC adapter or battery not connected/charged; Power button not pressed.	Ensure AC adapter is securely plugged in or batteries are charged and correctly inserted. Press the ON/OFF button.

Problem	Possible Cause	Solution
Light flickers or dims unexpectedly.	Low battery power; Loose power connection; Overheating.	Recharge or replace batteries. Check all power connections. Ensure ventilation slots are clear.
Cannot adjust brightness or color temperature.	Incorrect mode selected; Control panel malfunction.	Press the MODE button to cycle through adjustment modes. If issue persists, contact support.
Fan is loud or constantly running.	High ambient temperature; Obstructed ventilation; Internal issue.	Ensure adequate ventilation around the light. Operate in a cooler environment if possible. If persistent, contact support.

SPECIFICATIONS




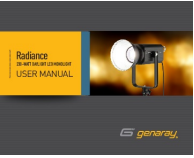


Feature	Detail
Model Number	BLT-60B
Light Source	60W COB LED Array
Equivalent Output	300W Tungsten Fixture
Beam Angle	Adjustable 15° (spot) to 75° (flood)
Color Temperature	3200K to 5600K (Bi-Color)
CRI/TLCI Rating	95.8 / 98
Dimming	1% to 100% Stepless
Power Input	AC 100-240V, 50/60Hz (via AC adapter)
Battery Compatibility	7.4V NP-F style batteries (optional), V-mount/Gold mount via D-Tap (optional)
LED Life Expectancy	50,000 hours
Cooling	Thermo-controlled fan
Dimensions	8 x 3.7 inches (approximate, light unit only)
Package Dimensions	15.4 x 9.5 x 5.8 inches
Water Resistance Level	Not Water Resistant

WARRANTY AND SUPPORT

Genaray products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Genaray website. Please retain your proof of purchase for warranty claims.

For further assistance, you may contact Genaray customer support directly.

Related Documents - BLT-60B

	<p>Genaray Torpedo Portable Focusing LED User Manual</p> <p>User manual for the Genaray Torpedo Portable Focusing LED light, covering features, operation, mounting, power options, and specifications.</p>
	<p>Nanlite FS-60B LED Bi-color Spot Light User Manual</p> <p>Comprehensive user manual for the Nanlite FS-60B LED Bi-color Spot Light, covering product details, technical specifications, usage instructions, operating modes, remote control, safety precautions, and troubleshooting.</p>
	<p>Genaray RSF-11-R Wireless Remote for Mini Moon RGB - User Guide & Warranty</p> <p>User guide and warranty information for the Genaray RSF-11-R wireless remote control, designed for the Genaray Mini Moon RGB lighting system. Learn button functions and warranty terms.</p>
	<p>Genaray Radiance 230-Watt Daylight LED Monolight User Manual</p> <p>User manual for the Genaray Radiance 230-Watt Daylight LED Monolight, covering product overview, setup, operation, DMX control, and specifications. Learn how to mount, power, and adjust the light for professional photography and videography.</p>
	<p>Cobra microTALK PR561 BLT / PR562 BLT Two-Way Radio Owner's Manual</p> <p>Comprehensive owner's manual for the Cobra microTALK PR561 BLT and PR562 BLT two-way radios, covering features, operation, setup, FCC information, and warranty.</p>
	<p>Genaray SL-57 48-Lamp Dimmable On-Camera LED Light User Manual</p> <p>User manual for the Genaray SL-57, a 48-lamp dimmable on-camera LED light. Includes overview, installation, specifications, and warranty information.</p>