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NANLITE FORZA500BFLST

NanLite Forza 500B II Bi-Color LED Video Spotlight Instruction Manual

Model: FORZA500BFLST | Brand: NANLITE

1. Introduction

The NanLite Forza 500B II is a powerful 580W bi-color LED video spotlight designed for professional creators. This compact and versatile lighting solution offers exceptional brightness, precise color control, and a robust design suitable for various production environments. This manual provides essential information for the safe and effective use of your Forza 500B II.

Key Features:

- **Compact Powerhouse:** Delivers 67320 Lux, 6254 fc at 1 meter, with an ultracompact, fanless control unit that can operate on AC or 1-2 V-Mount batteries.
- **G/M Adjustment:** Offers green-to-magenta shift adjustment by +/- 80, enabled by a frosted glass-protected WW(RG) LED source and light-mixing chamber.
- **Comprehensive Control:** Features Bluetooth for direct control via the free NANLINK app (iOS & Android), locking ports for DMX/RDM, intuitive built-in controls, and 2.4G for optional remote controls (WS-RC-C2) and transmitter boxes (WS-TB-1).
- **Next-Gen Advancements:** Includes a yoke with a one-sided stepless lock, substantially longer power and head cables, and a durable, versatile quick-release clamp.
- **Accurate Color:** Ensures accurate color reproduction with an SSI of 84 (3200K) and 74 (5600K), CRI of 96, and TLCI of 97.

2. Package Contents

Upon unboxing, ensure all components are present and undamaged. The standard package includes:

- Forza 500B II LED Spotlight Head
- Control Unit
- FL-20G Fresnel Lens
- Standard Reflector
- Power Cable
- Head Cable
- Quick Release Clamp

- Carry Case
- Instruction Manual



Figure 2.1: All components of the NanLite Forza 500B II kit, including the light head, control unit, cables, reflector, Fresnel lens, and carry case.



Figure 2.2: The durable carry case designed for transporting the Forza 500B II system.

3. Setup

Follow these steps to set up your Forza 500B II LED spotlight:

1. **Mount the Light Head:** Attach the Forza 500B II light head to a compatible light stand using the integrated yoke and stepless lock.
2. **Connect Control Unit:** Secure the control unit to the light stand or a separate mounting point using the quick-release

clamp. Connect the head cable from the light head to the control unit.

3. **Power Connection:** Connect the power cable to the control unit and then to an AC power outlet. For battery operation, ensure V-mount batteries are securely attached to the control unit.
4. **Attach Modifiers:**
    - **Standard Reflector:** Align the Bowens mount of the reflector with the light head and twist clockwise until it locks into place.
    - **FL-20G Fresnel:** For increased light intensity and beam control, attach the FL-20G Fresnel lens in the same manner as the standard reflector.



Figure 3.1: The Forza 500B II light head and control unit mounted on a light stand with a softbox attached.



Figure 3.2: The FL-20G Fresnel lens, compatible with the Forza 500B II's Bowens mount.

4. Operating Instructions

The Forza 500B II offers flexible control options for precise lighting adjustments.

4.1 On-Board Controls

Use the intuitive knobs and buttons on the control unit to adjust settings directly:

- **Power Button:** Turns the unit on/off.
- **Mode Button:** Cycles through different operating modes (e.g., CCT, HSI, Effects).
- **Dimming Knob:** Adjusts brightness from 0-100%.
- **CCT/Hue Knob:** In CCT mode, adjusts color temperature (2700K-6500K). In HSI mode, adjusts hue.
- **G/M Adjustment:** Fine-tunes green-to-magenta balance for precise color matching.

4.2 NANLINK App Control

For advanced control and convenience, download the free NANLINK app for iOS and Android devices. Connect via Bluetooth to access all light functions, including CCT, HSI, special effects, and custom presets.

Your browser does not support the video tag.

Video 4.1: Demonstration of Nanlite light features, including app control, efficient cooling, and Bowens mount compatibility. (Note: This video features the FS-300C, but highlights general Nanlite features applicable to the Forza 500B II).

4.3 Special Effects

The Forza 500B II includes various built-in special effects to simulate real-world lighting scenarios. These can be accessed via the control unit or the NANLINK app.

4.4 DMX/RDM Control

For integration into professional lighting setups, the control unit features locking DMX/RDM ports for wired control.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Forza 500B II.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light head and control unit. Avoid using harsh chemicals or abrasive materials.
- **Cooling System:** The Forza 500B II features an efficient cooling system. Ensure the ventilation grilles are free from dust and obstructions to prevent overheating.
- **Storage:** When not in use, store the light in its provided carry case in a cool, dry place away from direct sunlight and moisture.

6. Troubleshooting

If you encounter issues with your Forza 500B II, refer to the following common solutions:

- **Light Not Turning On:**
  - Check if the power cable is securely connected to both the control unit and the AC outlet.
  - Ensure the power switch on the control unit is in the "ON" position.
  - If using batteries, verify they are charged and properly seated.
- **No App Control:**
  - Ensure Bluetooth is enabled on your mobile device.
  - Verify the NANLINK app is updated to the latest version.
  - Restart both the light and your mobile device.
- **Overheating Warning:**
  - Check that the cooling fan vents are not obstructed.
  - Reduce the output power if operating in a high ambient temperature environment.

For further assistance, contact NanLite customer support.

7. Specifications

Feature	Value
Product Dimensions	16 x 9.1 x 5.6 inches
Item Weight	48.5 pounds
ASIN	B0D854JSKG
Item model number	FORZA500BFLST
Manufacturer	NanLite
Brand	NANLITE
Connectivity Technology	Bluetooth, USB
Hardware Interface	Bluetooth, USB

8. Warranty and Support

NanLite products come with a limited warranty. Please refer to the warranty card included in your package or visit the official NanLite website for detailed warranty terms and conditions. For technical support, product inquiries, or service requests, please contact NanLite customer service through their official channels.

9. Safety Information

- Do not look directly into the light source when it is active.
- Keep the device away from water and other liquids.
- Do not operate the device with wet hands.
- Ensure proper ventilation to prevent overheating.
- Use only NanLite approved accessories.
- Keep out of reach of children.

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