

## Cameo CLP64RGB10BS

# Cameo Light CLP64RGB10BS LED PAR Headlight User Manual

Model: CLP64RGB10BS

## 1. INTRODUCTION

Thank you for choosing the Cameo Light CLP64RGB10BS LED PAR Headlight. This device is designed for professional lighting applications, offering vibrant RGB color mixing and flexible control options. This manual provides essential information for safe and efficient operation, setup, and maintenance of your PAR headlight.

## 2. SAFETY INSTRUCTIONS

- Read this manual completely before operating the device.
- Keep this manual for future reference.
- Always connect the device to a grounded power outlet.
- Do not expose the device to rain or moisture.
- Ensure adequate ventilation around the unit to prevent overheating.
- Avoid direct eye exposure to the light source.
- Disconnect from power before cleaning or servicing.
- Repairs should only be performed by qualified personnel.

## 3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Cameo Light CLP64RGB10BS LED PAR Headlight
- Mounting Brackets (2 strokes)
- Instruction Manual (this document)
- Power Cable

## 4. PRODUCT OVERVIEW

The Cameo Light CLP64RGB10BS features 183 ultra-bright 10mm LEDs (60 red, 60 green, 63 blue) housed in a durable black casing. It includes a control panel for mode selection and DMX connectivity.



**Figure 4.1:** Front view of the Cameo Light CLP64RGB10BS LED PAR Headlight, showing the LED array and included power cable.



**Figure 4.2:** Side view of the PAR headlight, illustrating its compact design and ventilation slots.



**Figure 4.3:** Rear view showing the control panel with LED display, mode buttons, DMX IN, and DMX OUT ports.



**Figure 4.4:** Detailed view of the 10mm LED array, highlighting the individual red, green, and blue diodes.

## 5. SETUP

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### 5.1 Mounting

The CLP64RGB10BS comes with two mounting brackets for versatile installation. These brackets can be used to stand the unit on a flat surface or to attach it to a truss or lighting stand using appropriate clamps (not included). Ensure the mounting surface or structure can safely support the weight of the fixture.

### 5.2 Power Connection

Connect the supplied power cable to the power input on the rear of the unit and then to a standard grounded electrical outlet. The device operates on standard AC power.

### 5.3 DMX Connection (Optional)

For DMX control, connect a DMX controller to the DMX IN port using a 3-pin DMX cable. If linking multiple units, connect the DMX OUT of the first unit to the DMX IN of the next, and so on. Terminate the last unit in the chain with a DMX

terminator if experiencing signal issues.

## 6. OPERATING

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### 6.1 Control Panel

The control panel on the rear of the unit (refer to Figure 4.3) features an LED display and three buttons: MODE, UP, and DOWN. These buttons are used to navigate menus and adjust settings.

- **MODE:** Cycles through the main menu options and confirms selections.
- **UP:** Increases values or moves up through menu options.
- **DOWN:** Decreases values or moves down through menu options.

### 6.2 Operating Modes

The CLP64RGB10BS supports several operating modes:

- **DMX Mode:** Allows external control via a DMX controller. The unit can be set to 4 or 6 DMX channels.
- **Master/Slave Mode:** One unit acts as the master, controlling other slave units. Connect DMX OUT of the master to DMX IN of the first slave, and so on.
- **Standalone Mode:** The unit operates independently using pre-programmed settings or sound-activated programs.

### 6.3 DMX Channel Modes

The device offers two DMX channel configurations:

- **4-Channel Mode:** Typically controls Red, Green, Blue intensity, and Master Dimmer/Strobe.
- **6-Channel Mode:** Provides more granular control, often including Red, Green, Blue intensity, Master Dimmer, Strobe, and Color Macros or other effects.

Refer to the DMX occupation diagram printed on the unit (Figure 4.3) for pin assignments: 1: Ground, 2: Signal (-), 3: Signal (+).

### 6.4 Sound-to-Light Functionality

In Standalone mode, the unit can react to music via its built-in microphone. Use the control panel to select sound-activated programs and adjust sensitivity if available.

## 7. MAINTENANCE

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### 7.1 Cleaning

Regular cleaning helps maintain optimal light output and extends the lifespan of the unit. Disconnect power before cleaning.

- Use a soft, lint-free cloth to wipe the exterior casing.
- For the LED lens, use a soft cloth lightly dampened with a mild glass cleaner. Avoid harsh chemicals.
- Ensure ventilation openings are free from dust and debris.

### 7.2 Storage

When not in use, store the PAR headlight in a dry, dust-free environment, preferably in its original packaging or a protective case.

## 8. TROUBLESHOOTING

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| Problem                   | Possible Cause   | Solution   |
|---------------------------|--|--|
| No power                  | Power cable disconnected; no power from outlet                 | Check power cable connection; test outlet with another device.   |
| No DMX control            | Incorrect DMX address; faulty DMX cable; no DMX signal         | Verify DMX address and channel mode; check DMX cable integrity; ensure DMX controller is sending signal.       |
| Unit overheating          | Blocked ventilation; prolonged use in high ambient temperature | Ensure clear airflow around the unit; operate in a cooler environment if possible.                             |
| Inconsistent light output | Loose internal connection; DMX signal interference             | Disconnect and reconnect power; ensure DMX chain is properly terminated. If problem persists, contact support. |

## 9. SPECIFICATIONS

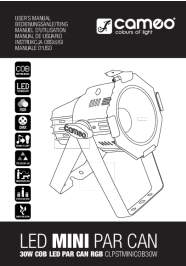





| Feature            | Detail  |
|--------------------|---|
| Model Number       | CLP64RGB10BS                                    |
| Light Source       | 183 x 10mm LEDs (60 Red, 60 Green, 63 Blue)     |
| Beam Angle         | 25 Degrees                                      |
| Power Consumption  | 30 Watts (Maximum)                              |
| Control Modes      | DMX (4 or 6 channels), Master/Slave, Standalone |
| DMX Connectivity   | 3-pin XLR IN/OUT                                |
| Housing Material   | Stainless Steel                                 |
| Color              | Black   |
| Item Weight        | 2.3 Kilograms                                   |
| Package Dimensions | 40 x 25.2 x 25 cm                               |

## 10. WARRANTY AND SUPPORT

Cameo products are designed for reliability and performance. For information regarding warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Cameo website. For technical support, service, or spare parts, please contact your local dealer or the Cameo customer service department.

*Please retain your proof of purchase for any warranty claims.*



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|     | <p><a href="#">Cameo LED Mini Par Can 30W COB LED PAR CAN RGB CLPSTMINICOB30W User Manual</a></p> <p>This user manual provides detailed information on the Cameo LED Mini Par Can 30W COB LED PAR CAN RGB CLPSTMINICOB30W, including features, operation, DMX control, and safety precautions. Learn how to set up and use this professional lighting equipment.</p> |
|    | <p><a href="#">Cameo ROOT PAR TW User Manual: Setup, Operation, and DMX Control</a></p> <p>Comprehensive user manual for the Cameo ROOT PAR TW LED PAR spotlight. Covers intended use, safety instructions, connections, operation modes (DMX, Stand-Alone, Master/Slave), DMX control channels, setup, maintenance, and technical specifications.</p>               |
|    | <p><a href="#">Cameo ROOT PAR IP65 RGBW LED Outdoor Spotlight User Manual</a></p> <p>User manual for the Cameo ROOT PAR IP65 RGBW LED Outdoor Spotlight (CLROOTPARIP). This guide provides detailed information on setup, operation, DMX control, stand-alone modes, safety instructions, and technical specifications.</p>  |
|  | <p><a href="#">Cameo ZENIT B60 LED Battery Outdoor PAR User Manual</a></p> <p>User manual for the Cameo ZENIT B60 LED Battery Outdoor PAR with W-DMX™ technology, covering features, operation, safety, and technical specifications.</p>  |
|  | <p><a href="#">Cameo PAR 56 CAN LED CANS User Manual</a></p> <p>User manual for the Cameo PAR 56 CAN LED CANS (CLP56RGB05), a versatile lighting fixture featuring RGB color mixing, DMX control, sound activation, and multiple operating modes. Provides essential information on features, operation, and safety.</p>   |
|  | <p><a href="#">Cameo iDMX@ CORE: User Manual for Wireless DMX Control</a></p> <p>Comprehensive user manual for the Cameo iDMX@ CORE WiFi to W-DMX™ converter. Learn about setup, operation, features, and troubleshooting for wireless lighting control solutions.</p>   |