

USER'S MANUAL  
BEDIENUNGSANLEITUNG  
MANUEL D'UTILISATION  
MANUAL DE USUARIO  
INSTRUKCJA OBSŁUGI  
MANUALE D' USO



# PIXBAR® G2

TUNABLE WHITE LED PIXBAR IP65  
CLPBTWIPG2

## ENGLISH

### YOU HAVE MADE THE RIGHT CHOICE!

This device has been developed and manufactured to the highest quality standards to ensure many years of trouble-free operation. Please read this user manual carefully to be able to quickly put your new Cameo Light product to optimum use. Further information about Cameo Light is available on our website **CAMEOLIGHT.COM**.

### INFORMATION ON THIS USER MANUAL

- Carefully read the safety instructions and the entire manual before operating the device.
- Observe the warnings on the device and in the user manual.
- Always keep the user manual within reach.
- If you sell or pass on the device, it is important that you also include this user manual, as it is an integral part of the product.

### INTENDED USE

The product is a device for event technology!

This product has been developed for professional use in the field of event technology and is not suitable for use as domestic lighting!

Furthermore, this product is only intended for qualified users with specialist knowledge of event technology!

Use of the product outside the specified technical data and operating conditions is considered improper use!

Liability is exempted when damage and third-party damage to persons and property is caused by inappropriate use!

The product is not suitable for:

- Use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

### DEFINITIONS AND SYMBOL EXPLANATIONS

1. **DANGER:** The word DANGER, possibly in combination with a symbol, indicates immediately dangerous situations or conditions for life and limb.
2. **WARNING:** The word WARNING, possibly in combination with a symbol, indicates potentially dangerous situations or conditions for life and limb.
3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, is used to indicate situations or conditions that may lead to injury.
4. **ATTENTION:** The word ATTENTION, possibly in combination with a symbol, refers to situations or conditions that can lead to damage to property and/or the environment.



This symbol identifies hazards that can cause electric shock.



This symbol identifies hazardous areas or hazardous situations.



This symbol indicates hazards caused by hot surfaces.



This symbol indicates hazards caused by intense light sources.



This symbol indicates a device in which there are no user-replaceable parts.



This symbol indicates additional information on the operation of the product.

## SAFETY INSTRUCTIONS

### DANGER:



1. Do not open or modify the device.
2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.
3. For devices of protection class 1, the protective earth conductor must be connected correctly. Never disconnect the protective earth conductor. Devices of protection class 2 do not have a protective earth conductor.
4. Ensure that live cables are not kinked or otherwise mechanically damaged.
5. Never bypass the device fuse.



### WARNING:

1. The device may not be operated if it shows obvious signs of damage.
2. The device may only be installed in a voltage-free state.
3. If the power cable of the device is damaged, do not operate the device.
4. Permanently connected power cables may only be replaced by a qualified person.



### ATTENTION:

1. Do not operate the device if it has been exposed to large temperature fluctuations (for example, after transport). Moisture and condensation can damage the device. Switch on the device only when it has reached ambient temperature.



2. Make sure that the voltage and frequency of the mains supply correspond to the values indicated on the device. If the device has a voltage selector switch, do not turn the device on until it has been set correctly. Use only suitable power cables.
3. To disconnect the device from the mains at all poles, it is not sufficient to press the on/off switch on the device.
4. Make sure that the fuse used corresponds to the type printed on the device.
5. Make sure that appropriate measures have been taken against overvoltage (e.g. lightning strike).
6. Observe the specified maximum output current on devices with a Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Only replace plug-in power cables with equivalent cables that correspond to the cable originally supplied. The cross-section must not be smaller than the cross-section of the original cable.
8. Connect the device only to compliant, tested and undamaged power outlets.

**DANGER:**

1. Danger of suffocation! Plastic bags and small parts must be kept out of reach of persons (including children) with reduced physical, sensory or mental capabilities.
2. Danger caused by falling device! Make sure that the device is securely installed and cannot fall down. Only use suitable stands or mounts (particularly for fixed installations). Ensure that accessories are properly installed and secured. Ensure that all applicable safety regulations are observed.

**WARNING:**

1. Use the device only in the prescribed manner.
2. Operate the device only with the accessories recommended and intended by the manufacturer.
3. During installation, observe the safety regulations applicable in your country.
4. After connecting the device, check all cable routes to avoid damage or accidents, e.g. due to tripping hazards.
5. Always observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.
6. Always observe the minimum distance to the illuminated surface specified on the device!

**CAUTION:**

1. Moving components such as mounting brackets pose a jamming hazard.
2. In the case of devices with motor-driven components, there is a risk of injury from the movement of the device. Sudden movement of the device can cause shock reactions.

**CAUTION:**

3. The exterior surface of the device can become very hot during regular operation.  
Ensure that accidental touching of the housing is not possible. Always allow the device to cool sufficiently before removal, maintenance work and charging etc.

**ATTENTION:**

1. Do not install and operate the device in the vicinity of radiators, heat accumulators, ovens, or other heat sources. Ensure that the device is always installed in such a way that it is sufficiently cooled and cannot overheat.
2. Do not place ignition sources such as lighted candles near the device.
3. Vents must not be covered and fans must not be blocked.
4. Use the original packaging or packaging provided by the manufacturer for transport.
5. Avoid shock or impact to the device.
6. Observe the IP rating as well as the ambient conditions such as temperature and humidity according to the specification.
7. Devices can always be further improved. In the event of any discrepancies between the operating instructions and the device labelling with regard to operating conditions, performance or other device characteristics, the information on the device always takes precedence.
8. The device is not suitable for tropical climates and for operation at elevations higher than 2000 m above sea level.
9. Unless explicitly stated, the unit is not suitable for operation in marine conditions.

**PLEASE NOTE:**

For conversion or retrofit sets or accessories provided by the manufacturer, it is essential to observe the included instructions.

**CAUTION! IMPORTANT INFORMATION REGARDING LIGHTING PRODUCTS!**

1. Never look directly into the beam of light, not even for a short period of time.
2. Never look into the beam of light using optical devices such as a magnifying glass.
3. Stroboscopic effects may cause epileptic seizures in susceptible individuals!
4. Permanently installed lamps are built into these lighting units. These may not be replaced by the user. In the event of a fault, please contact your distribution partner.

**SIGNAL TRANSMISSION BY RADIO****(E.G. W-DMX OR WIRELESS AUDIO SYSTEMS):**

The quality and performance of wireless signal transmissions generally depends on the ambient conditions.

For example, the following factors can impact range and signal quality:  
Shielding (e.g. masonry, metal structures, water)



High volumes of radio traffic (e.g. powerful wireless LAN networks)  
Interference  
Electromagnetic radiation (e.g. LED video screens, dimmers)

All range specifications refer to free-field line-of-sight applications without interference!

The operation of radio transmission systems is subject to official regulations. These may vary from region to region and must be checked by the operator before use (e.g. radio frequency and transmission power).



**WARNING:** Devices with wireless signal transmission are not suitable for use in sensitive areas in which radio operation can lead to potentially detrimental interactions. These include e.g.:

- Hospitals, health centres or other healthcare facilities that provide patient treatment with skilled personnel and equipment.
- Hazardous areas Class I, II and III
- Restricted areas
- Military facilities
- Aircraft or vehicles
- Areas where the use of mobile phones is prohibited



### TRANSMISSION VIA W-DMX

**WARNING:** In general, wireless DMX transmission must not be used for applications involving safety-related factors that might result in personal injury or property damage in the event of a failure.

This applies in particular to moving scene or truss structures, DMX-controlled motors/lifts or lifting devices for operating DMX-operated platform lifts, hydraulic systems or comparable moving components.

Furthermore, wireless DMX transmission must not be used to control flame or pyrotechnic devices, explosion-driven effects, or gas or liquid effects. These include e.g. CO<sub>2</sub> cannons, confetti shooters, water effects or similar.



### NOTES ON PORTABLE OUTDOOR DEVICES

1. Temporary operation! Event equipment is generally only designed for temporary operation.
2. Continuous operation or permanent structural installation - particularly outdoors - can impair the function, surfaces and seals and cause premature material fatigue.
3. Damage to the surface coating can impair the device's corrosion protection. Damaged surface coating (e.g. scratches) must be promptly repaired using suitable measures.

## PACKAGING CONTENT

Remove the product from the packaging and remove all packaging material.

Please check the completeness and integrity of the delivery and notify your distribution partner immediately after purchase if the delivery is not complete or if it is damaged.

The packaging content includes:

- 1 x PIXBAR® Tunable White IP65 G2 LED BAR
- 2 x Sliding mounting feet with folding SPIN16® mounting spigot (pre-assembled)
- 1 x Standard frost filter
- 1 x Glare shield
- 1 x Power cable
- 1 x Operating instructions

## INTRODUCTION

PIXBAR® TW G2 Outdoor LED BAR

CLPBTWIPG2 with 16 3-in-1 amber, warm white and cool white LEDs

### CONTROL FUNCTIONS:

1-channel, 2-channel CCT, 3-channel Direct, 3-channel Strobe CCT, 5-channel Direct, 8-channel Direct Control, 10-channel Effect Pattern, 11-channel Wash, 16-channel Pixel, 18-channel Pixel CCT, 26-channel Pattern, 48-channel Pixel, 52-channel Pixel Dim, D2-channel Dim, D4-channel CCT and D6-channel Direct DMX control

RDM

W-DMX™

Master/Slave modes

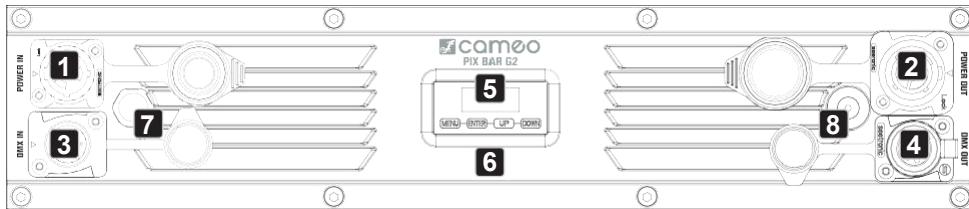
Stand-alone functions

### FEATURES

- IP65 Protection class
- Convection cooling
- Operating voltage: 100 - 240 VAC

The LED Bar supports the RDM standard (Remote Device Management). Remote device management allows the user to monitor the status and configuration of RDM devices using an RDM-capable controller, such as the optionally available Cameo UNICON (item number CLIREMOTE). The Cameo UNICON also allows access to the entire fixture menu.

# CONNECTIONS, OPERATING AND DISPLAY ELEMENTS



## 1 POWER IN

IP65 mains input socket with rubber sealing cap (TRUE1 compatible). Operating voltage 100 - 240 VAC / 50 - 60 Hz. Use the supplied power cable (when not in use, always close the rubber sealing cap).

## 2 POWER OUT

IP65 mains output socket with rubber sealing cap (TRUE1 compatible). Enables power supply to other CAMEO lights. Ensure that the total current consumption of all connected devices does not exceed the value specified on the device in amperes (A) (when not in use, always close the rubber sealing cap).

## 3 DMX IN

Male IP65 5-pin XLR socket for connecting a DMX control device (e.g. DMX console; when not in use, always close the rubber sealing cap).

## 4 DMX OUT

Female IP65 5-pin XLR socket for forwarding the DMX control signal (when not in use, always close the rubber sealing cap).

## 5 OLED DISPLAY

The OLED display shows the currently activated operating mode or the current DMX address (main screen), the menu items in the menu and the numerical value or operational status of certain menu items.

## 6 TOUCH-SENSITIVE CONTROLS

**MENU** - Press MENU to access the main menu. Press again or repeatedly to return to the main screen.

**UP** and **DOWN** - Select menu items in the main menu (DMX address, operating mode, etc.) and in the sub-menus using UP and DOWN. Change value or status of a menu item, e.g. DMX address. To change a value quickly (e.g. the DMX start address), press and hold UP or DOWN.

**ENTER** - Press ENTER to access the menu level in order to make value or status changes, and to access one of the sub-menus. Confirm value or status changes by pressing ENTER.



#### PLEASE NOTE:

- Before navigating the menu, make sure that the control panel is dry and clean so that its functionality is not impaired.
- Moisture on the control panel can lead to incorrect operation of the fixture, e.g. in outdoor conditions. Therefore, activate the lock function after configuring the light to prevent incorrect operation due to moisture (Settings -> Display -> Autolock).

## 7 PRESSURE EQUALISATION ELEMENT

Pressure equalisation element to prevent condensation inside the housing. In order to ensure its proper function, the element must be protected from dirt.

## 8 W-DMX™ ANTENNA

Antenna for W-DMX™ control.



**ATTENTION:** In order to provide protection from water sprays in accordance with the IP65 protection class, the special DMX input and output sockets must be used with special IP65-rated XLR connectors, or they must be sealed using the rubber caps. When connected correctly, or when sealed correctly with the rubber sealing caps, the POWER IN and POWER OUT sockets are protected from water sprays in accordance with IP65.

## ISED Statement

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

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

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

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

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

## 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.



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REV: 01