

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



PIXBAR® G2

TUNABLE WHITE LED PIXBAR IP65
CLPBTWIPG2

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ENGLISH

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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. CO2 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

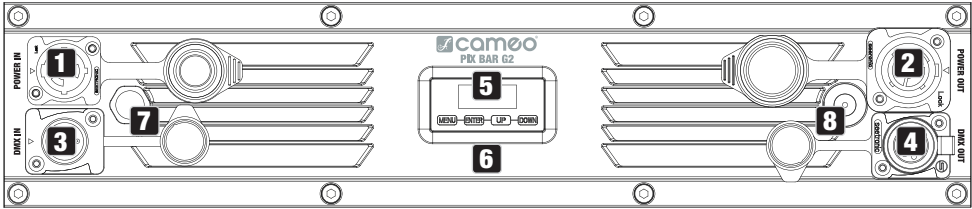
Stand-alone functions

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.

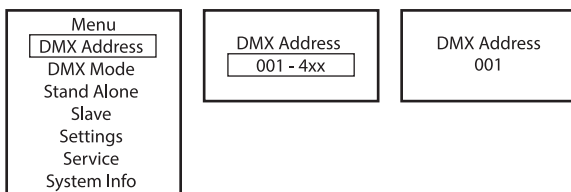
OPERATION

NOTES

- As soon as the fixture is correctly connected to the power supply, the following messages are displayed in succession: "Update wait ..." (for service purposes only), "Welcome to Cameo", the model name and the software version. After this process, the light is ready for operation and the previously activated operating mode is launched.
- If there is no input for approx. 30 seconds, the display automatically returns to the main screen.
- Note on the main screen in operating modes with external control: In the event that the control signal is interrupted, the characters in the display begin flashing; once the control signal is present again, the flashing stops.
- Briefly pressing UP from the main screen rotates the display by 180°.

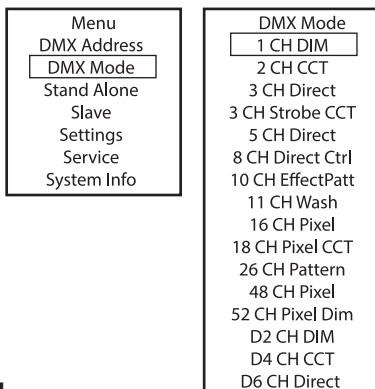
SET DMX START ADDRESS (DMX address)

Starting from the main screen, press MENU to enter the main menu. Now use UP and DOWN to select **DMX Address** and confirm with ENTER. Using the UP and DOWN buttons, configure the desired DMX start address and press ENTER to confirm (the highest possible value depends on the selected DMX mode).



CONFIGURE DMX MODE (DMX Mode)

Starting from the main screen, press MENU to enter the main menu. Now use UP and DOWN to select **DMX Mode** and confirm with ENTER. Now select the desired DMX mode using UP and DOWN and confirm the selection with ENTER. DMX modes with DMX delay channel and group selection (Group 0 - 24) are marked with "D". DMX tables with the channel assignments can be found in the DMX CONTROL section of this user manual.

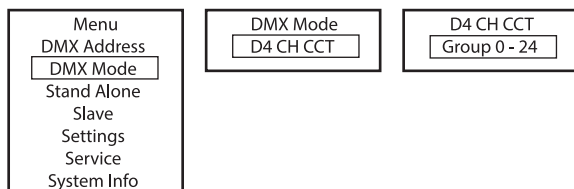


DMX modes with DMX delay channel

The DMX Delay function is a simple way to create a running light effect with a large number of identical fixtures that are running the same software version, which would otherwise require a suitable DMX controller and extensive programming. All the lights used (same model, same software version) are set to the same DMX mode with DMX delay channel and controlled via the same DMX start address.

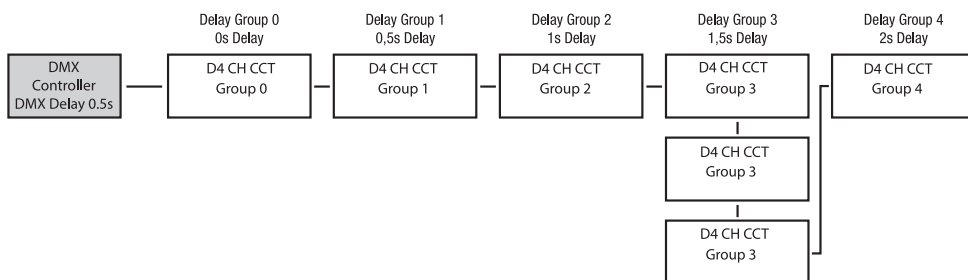
Setting the DMX delay: Select one of the DMX modes with DMX delay channel and confirm the selection (example: D4 CH CCT).

Assign the fixtures to one of up to 24 groups (plus Group 0) according to preference, whereby several lights can be assigned to one group. The group number is also the factor by which the delay time set in the DMX controller is multiplied. Confirm each entry by pressing ENTER.



The delay time of the DMX signal is set by means of a DMX controller in the separate DMX delay channel of the corresponding DMX mode (0.0 s to 2.0 s in 0.1 s increments).

Setup example:



STAND-ALONE MENU MASTER / ALONE

In the stand-alone operating modes Direct LED, CCT and Play Loop, the control signal of the corresponding mode can be output to slave units via XLR (DMX OUT) and W-DMX™:

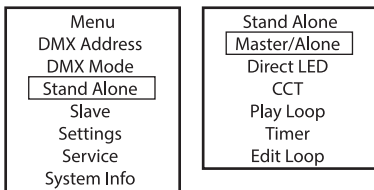
Stand Alone -> Master/Alone -> Master

If you do not want to output the control signal, deactivate the output:

Stand Alone -> Master/Alone -> Alone

In the stand-alone modes Auto Program and Play Loop, you can set a delay for slave units to delay the output of the control signal.

Starting from the main screen, press MENU to enter the main menu. Now select **Stand Alone**, confirm, select **Master/Alone** and confirm again.



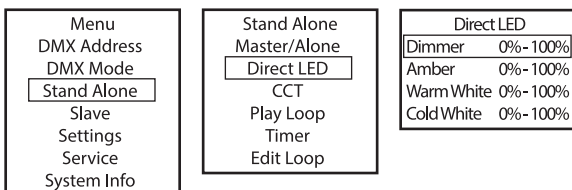
This will take you to the submenu for configuring the submenu items (see table).

Master	Send to XLR	Control signal is forwarded via DMX OUT	
	Send to W-DMX	On	Activate DMX control signal forwarding via W-DMX
		Off	Deactivate DMX control signal forwarding via W-DMX
		Force to pair	Pair with ready-to-pair W-DMX devices
	Unlink All	Disconnect all W-DMX connections	
	DMX Delay	Set DMX delay for slave units: Off, 0.1s - 2.0s	
Alone		Do not forward control signal	

DIRECT LED STAND-ALONE MODE

The stand-alone mode “Direct LED” allows you to set the dimmer, amber, warm white and cold white directly on the device, similar to a DMX control unit. This allows you to create a custom scene without an additional DMX controller.

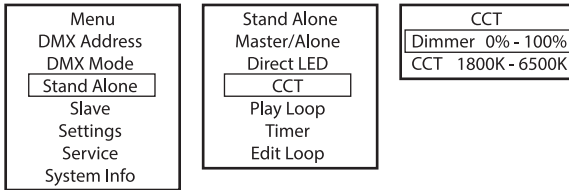
Starting from the main screen, press MENU to enter the main menu. Use UP and DOWN to select **Stand Alone**, confirm with ENTER, then select **Direct LED** and confirm again with ENTER. Now select the menu item you want to edit, confirm the selection, set the desired value and confirm the entry.



CCT STAND-ALONE MODE (Correlated Colour Temperature)

The stand-alone mode “CCT” allows you to adjust the colour temperature in 100K increments from 1800K to 6500K, as well as the hue (tint) and brightness (dimmer).

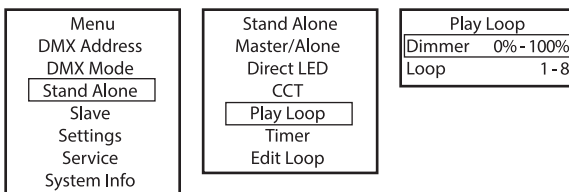
Starting from the main screen, press **MENU** to enter the main menu. Use **UP** and **DOWN** to select **Stand Alone**, confirm the selection, then select **CCT** and confirm again with **ENTER**. Now select the menu item you want to edit, confirm the selection and make the settings as desired. Confirm each entry.



PLAY LOOP STAND-ALONE MODE (8-step colour sequences 1 - 8)

The 8 available loops are pre-programmed at the factory, but can be customised in the **Edit Loop** menu. The brightness can be set at a higher level.

Starting from the main screen, press **MENU** to enter the main menu. Using **UP** and **DOWN**, select **Stand Alone**, confirm with **ENTER**, then select **Play Loop** and confirm again with **ENTER**. Now select the menu item you want to edit, confirm the selection and make the settings as desired. Confirm each entry.

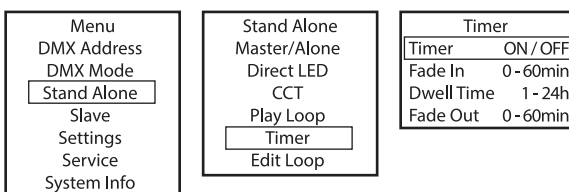


TIMER FUNCTION

The timer function allows the Static stand-alone mode to be timer-controlled; the fade-in time can be set from 0 to 60 minutes, the dwell time from 1 to 24 hours and the fade-out time from 0 to 60 minutes. After activation of the timer function, the timer control will take effect upon the next start-up of the system.

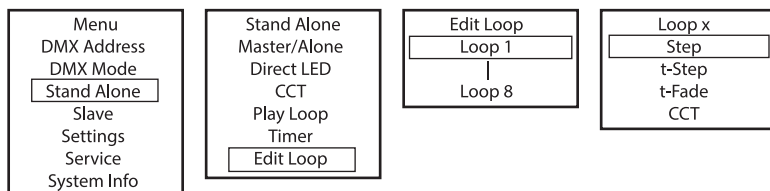
Starting from the main screen, press **MENU** to enter the main menu. Select **Stand Alone**, confirm the selection, then select **Timer** and confirm again. Under **Timer**, select the setting **On** and confirm. For custom timer settings, select **Fade In**, **Dwell Time** or **Fade Out** and confirm. You can now adjust the respective value as desired. Confirm all entries. To deactivate the timer function, select **Timer->Off** and confirm the entry.

Note: The timer function can be used in master/slave mode via cable and W-DMX™.



EDIT LOOP

The brightness, step duration and fade time can be set independently for all eight loops. Starting from the main screen, press MENU to enter the main menu. Using UP and DOWN, select **Stand Alone**, confirm with ENTER, then select **Edit Loop** and confirm again. Now select the desired loop for editing and confirm.



This will take you to the submenu for configuring the submenu items (see table). The settings for each loop are made independently and are retained even after restarting the device.

Step	1 - 8	Step selection
t-Step	t-Step 0s - 10s = 0,1s steps 10s - 1min = 1s steps 1min - 20min = 1min steps	Set the step duration for the selected step
t-Fade	t-Fade 0s - 10s = 0,1s steps 10s - 1min = 1s steps 1min - 20min = 1min steps	Set the fade time for the selected step
CCT	Step 1 + 2: CCT 1800K - 6500K / Blackout	Selection of the colour temperature or blackout for the selected step
	Step 3 - 8: CCT 1800K - 6500K / Blackout / Skip Step	Select colour temperature or blackout or skip selected step

SLAVE MODE

Standard slave mode: Starting from the main screen, press MENU to enter the main menu. Using the UP and DOWN buttons, select **Slave**, confirm with ENTER, then select Slave Group 0 and confirm again. Connect the slave and master units (same model, same software version) using a DMX cable or via W-DMX™ and activate one of the stand-alone modes (Direct LED, CCT, Play Loop) in the master unit. The slave unit will now follow the master unit.

Extended slave mode: If you wish to control the slave units in master/slave mode using one of the **Auto Program** or **Play Loop** stand-alone modes, the control signal can be played back with a time delay of up to 24 steps. The delay is set in the **Stand Alone** menu **Master/Alone** in the master unit; the delay factor is set in the slave menu of the corresponding fixture (Group). This is a simple way to create a running light effect with a large number of identical lights that are running the same software version, which would otherwise require a suitable DMX controller and

extensive programming. Connect the slave and master units (same model, same software version) using a DMX cable or via W-DMX™.

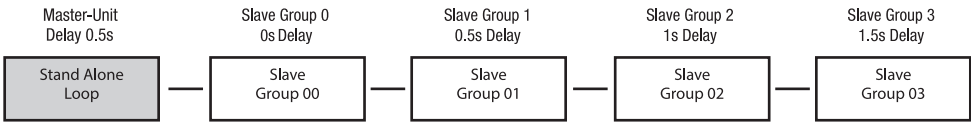
Menu
DMX Address
DMX Mode
Stand Alone
Slave
Settings
Service
System Info

Slave Group Receive Mode

Group	0 - 24	Set slave group for signal delay	
Receive Mode	XLR (permanently active)		
	Wireless	On	Activate W-DMX module
		Off	Deactivate W-DMX module
	Unlink	Disconnect all connections and place in pairing standby mode	

Assign the fixtures to one of up to 24 groups (plus Group 0) according to preference, whereby several lights can be assigned to one group. The group number is also the factor by which the delay time set in the master unit is multiplied.

Setup example:



SYSTEM SETTINGS (Settings)

Starting from the main screen, press MENU to enter the main menu. Using the UP and DOWN buttons, select **Settings** and confirm with ENTER.

Menu
DMX Address
DMX Mode
Stand Alone
Slave
Settings
Service
System Info

This will take you to the submenu for editing the following submenu items (see table, select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

Wireless	=	Wireless settings	W-DMX State	On	W-DMX activated
				Off	W-DMX deactivated
			Operating Mode	Receive	W-DMX mode: Receiver
				Transmit	G3 (G3 transmission standard)
Linking	Unlink	G4s (G4s transmission standard)			
		Unpair all devices and make them ready for pairing			

Wireless	=	Wireless settings	Linking	Link/Force to pair	Pair with W-DMX devices. W-DMX must be enabled on all devices, and the pairing with a transmitter must be reset (Receive Reset).
			Signal Routing	Send to XLR	Send incoming signal to XLR connector
				Backup by XLR	Use the XLR input signal in case the W-DMX signal is lost.
			Receive only	No connection between W-DMX signal and XLR connectors	
Display	=	Display settings	Reverse	On	Rotate display by 180° (e.g. for overhead installation)
				Off	No display rotation
			Off Timer	Always On	Display illumination permanently on
				Off after 20s	Deactivate display illumination after approx. 20 seconds of inactivity
			Autolock	Off	Function disabled
On after 60s	The controls and display are locked after approx. 60 seconds without any operation. Unlock: Press UP and DOWN simultaneously for approx. 5 seconds				
Dimmer	=	Dimming behaviour and PWM frequency	Curve	Linear	Dimmer curve: The light intensity increases linearly with the DMX value
				Exponential	Dimmer curve: The light intensity can be adjusted finely in the lower DMX value range and coarsely in the upper DMX value range
				Logarithmic	Dimmer curve: The light intensity can be adjusted coarsely in the lower DMX value range and finely in the upper DMX value range
				S-Curve	Light intensity can be adjusted finely at lower and higher DMX values and coarsely at medium DMX values
			PWM Frequency	650 Hz, 1530 Hz, 3600 Hz, 12 kHz, 18.9 kHz, 25 kHz	Select LED PWM frequency
			Response	LED	The light responds abruptly to changes in DMX value
				Halogen	The fixture behaves like a halogen light with smooth brightness changes

Dimmer	=	Dimming behaviour and PWM frequency	Redshift	Dim to Warm	Simulates the colour drift when dimming a halogen light. When dimming the light, the colour temperature changes automatically to increasingly warm white tones and amber (and vice versa).
				Off	Function disabled
			CCT Fade Brightness	Constant	Constant brightness at all CCT values
				Maximum	Maximum brightness at all CCT values
Color Calibration	=	Colour calibration	RAW	Amber, warm white and cold white with a maximum value of 255	
			User	Custom calibration. Cross-mode brightness setting of amber, warm white and cold white with values from 0 - 255	
Signal Fail	=	Operational status on control signal interruption	Hold	Last command is retained	
			Last Stand Alone	The last selected stand-alone operating mode is activated	
			Fade to Black (10s)	10 s fade to blackout	
			Blackout	Instant blackout	
			Full	Full On	
Pixel Mirror	=	Mirror pixels	Off	Function disabled	
			On	Pixels are mirrored	
Store Default	=	Store all system settings in 3 custom presets	User A	Store with ENTER	
			User B	Store with ENTER	
			User C	Store with ENTER	

SERVICE MENU (Service)

Starting from the main screen, press MENU to enter the main menu. Use UP and DOWN to select **Service** and confirm with ENTER.

Menu
DMX Address
DMX Mode
Stand Alone
Slave
Settings
Service
System Info

Information on the submenu items in the Service menu and the corresponding options can be found in the table below (select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

Load Default	Factory	Reset to factory setting
	User A	Reset to user A values (save user values: Settings -> Store Default)
	User B	Reset to user B values (save user values: Settings -> Store Default)
	User C	Reset to user C values (save user values: Settings -> Store Default)
Reset Service	No	Cancel operation
Timer	Reset now	Reset service operating time
Password	For service purposes only	

SYSTEM INFORMATION (System Info)

Starting from the main screen, press MENU to enter the main menu. Use UP and DOWN to select **System Info** and confirm with ENTER.

Menu
DMX Address
DMX Mode
Stand Alone
Slave
Settings
Service
System Info

Information on the submenu items in the System Info menu and the corresponding options can be found in the table below (select with UP and DOWN, confirm with ENTER, change value or status with UP and DOWN, confirm with ENTER).

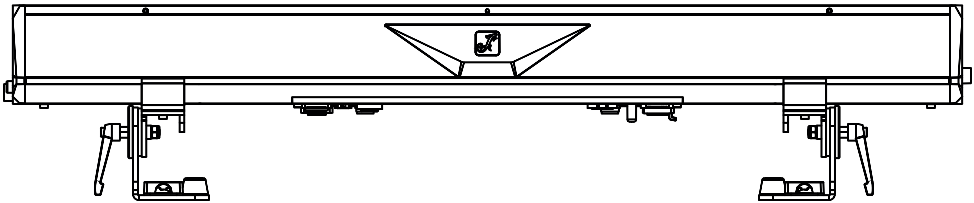
Firmware	DISP	Vx.x.x	Display the firmware version of the corresponding component
	...	Vx.x.x	
Temperature	LED	xxx °C/°F	Display the temperature of the corresponding component
	Temperature Unit	°C °F	Set the temperature unit
Runtime	Total	xxxx h : xx m	Total operating time
	Operation	xxxx h : xx m	Time in use
	LED	xxxx h : xx m	Lamp operating time
	Service	xxxx h : xx m	Operating time since the last reset of the service operating time
RDM-UID	RDM Unique Identifier		

INSTALLATION

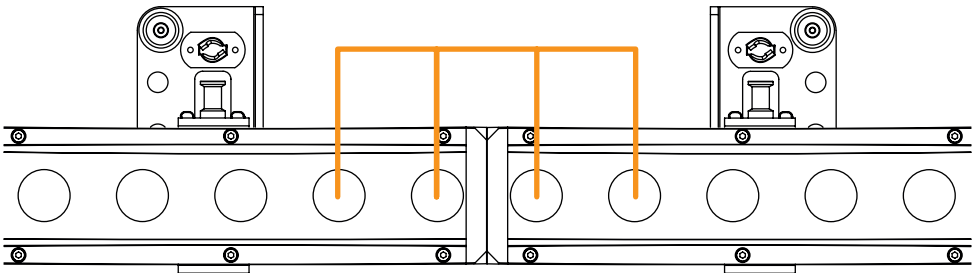


DANGER: Installation, especially overhead installation, requires extensive experience, relevant & up-to-date expertise and competence, including the calculation of working load limits, the installation material used and regular safety checks of all installation materials and fixtures! If you do not have these qualifications, do not attempt to carry out an installation yourself, but use the help of appropriately qualified specialist companies! There is a risk that devices that are incorrectly mounted and secured may come loose and fall down. This can cause serious injury or death.

Thanks to the adjustable stand or mounting feet, the PIXBAR® G2 can be set up in a suitable position on a level floor (e.g. as an upright).

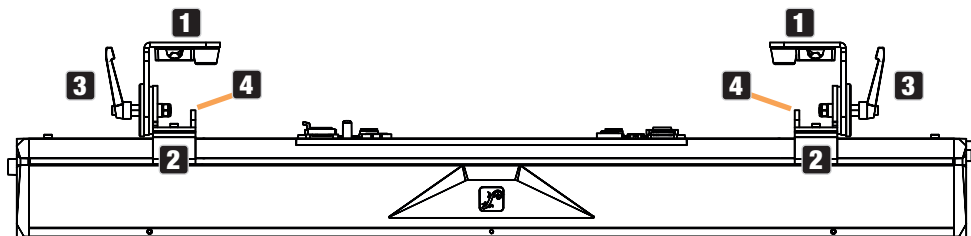


When several PIXBAR® G2 are docked, the unique coupling mechanism ensures uniform pixel spacing at the transitions from one to the next PIXBAR® G2.



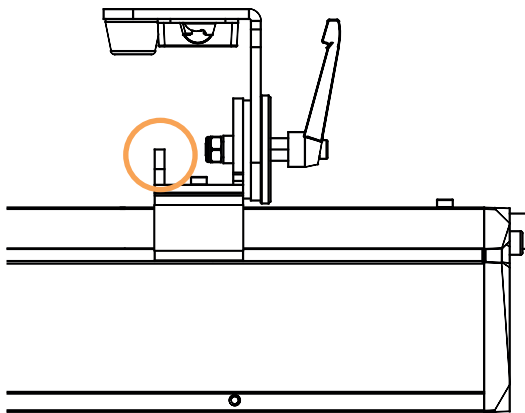
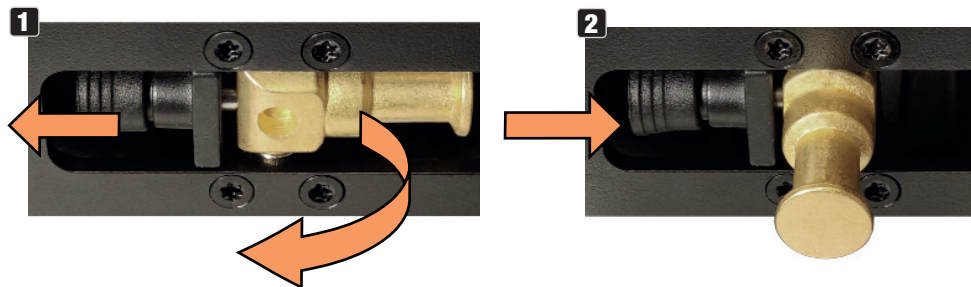
MOUNTING A PIXBAR® ON A TRUSS

Mounting on a truss is done using optionally available truss clamps, which are either attached directly to the mounting feet (1), or to optionally available Omega mounting brackets (part number CLOMEGABRACKET1). The mounting feet can be moved on the housing of the PIXBAR® G2. To do this, loosen the middle of the five internal hexagon screws (2), move the foot to the desired position and tighten the screw again. The beam direction can be adjusted using the tommy screws (3) on the mounting feet. Ensure that the connections are tight and that the PIXBAR® G2 cannot come loose. When mounting the PIXBAR® G2 overhead, secure it with a suitable safety cable to one of the safety lugs provided (4). When mounting several docked PIXBAR® G2 horizontally overhead, each individual PIXBAR® G2 must be attached separately to the truss with the mounting feet and secured with a suitable safety cable.



USE SPIN16 TV SPIGOT FOR MOUNTING

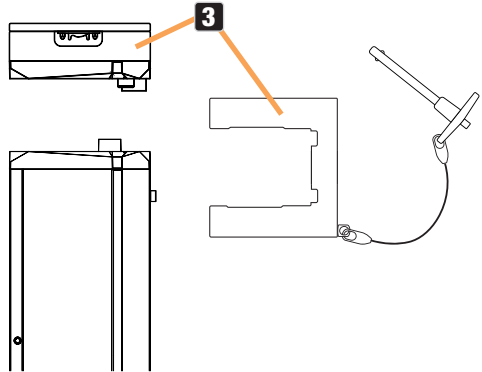
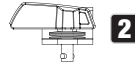
The mounting feet of the PIXBAR® G2 have 16 mm TV spigots that can be extended and retracted without tools. To unfold a TV spigot, pull the spring-loaded locking bolt out of the locking hole in the direction of the arrow (1), fold the TV spigot forwards and let the locking bolt engage in the locking hole offset by 90° (2). Use suitable truss clamps for mounting. Ensure that the connections are tight and that the fixture cannot come loose. When mounting the light overhead, secure it with a suitable safety cable to one of the safety lugs provided (see marking).



VERTICAL HANGING MOUNTING ON A TRUSS

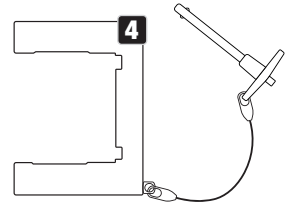
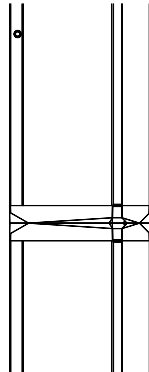
For vertical hanging mounting, up to three PIXBAR® G2 may be connected to each other. The following optionally available products must be used for this:

- 1** A suitable truss clamp with sufficient load-bearing capacity for the total load (e.g. half coupler).
- 2** One Omega bracket (article number CLOMEGABRACKET1).
- 3** One stop set (article number CLPBG2VERTIMOUNT).
- 4** One or two connecting elements are required to connect two or three PIXBAR® G2 and to secure the connection (item number CLPBG2STACKKIT).



The safety eyelet of the top foot of the top bar serves as a safety point. Make sure that the safety cable used to secure the bars is suitable for the total weight of the bars.

For optical reasons, the mounting feet can be folded to the side of the housing. A rubber buffer prevents the surface from being damaged.



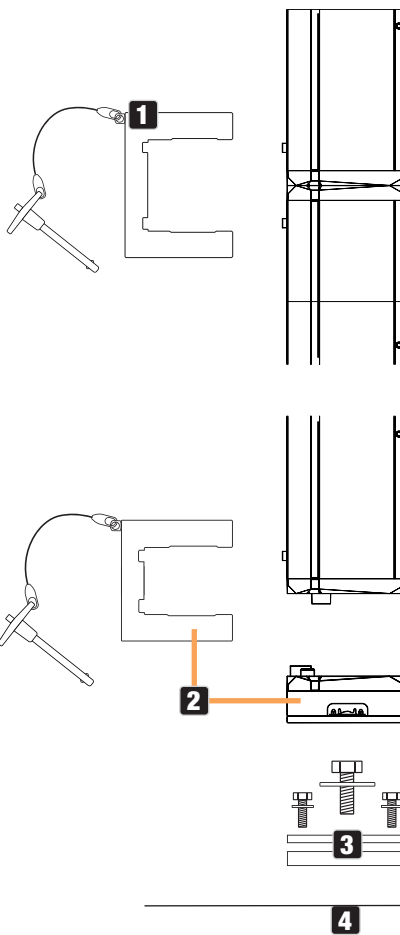
VERTICAL FLOOR MOUNTING

For vertical floor mounting, a maximum of two PIXBAR® G2 may be connected to each other. The following optionally available products must be used for this:

- 1** One connector (item number CLPBG-2STACKKIT).
- 2** One stop set (article number CLPBG2VERTI-MOUNT).
- 3** One M20 connection set (article number CLPBG2M20ADA).
- 4** A heavy steel stand with M20 thread and sufficient stability for the total load.

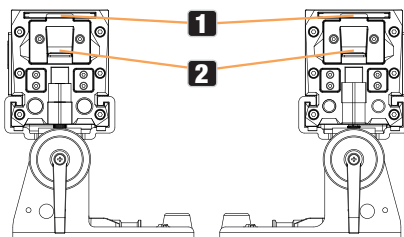
The stability in combination with the stand used must be assessed by the user. No additional loads may be introduced.

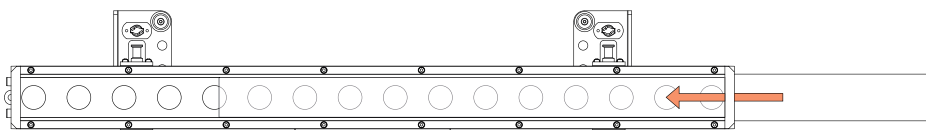
For optical reasons, the mounting feet can be folded to the side of the housing. A rubber buffer prevents the surface from being damaged.



FROST FILTER

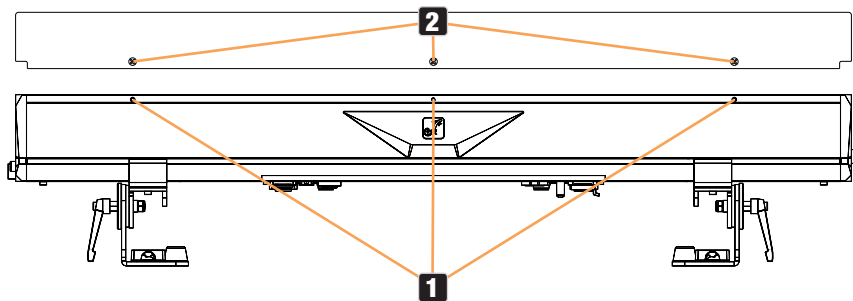
A standard frost filter is included with the PIXBAR® G2. To insert the frost filter into the provided holder (1) of the bar, open the sliding latch at one end of the bar (2, slide down the handle). After inserting the frost filter into the holder, close the latch again to prevent the filter from falling out.





GLARE SHIELD

A glare shield is included with the PIXBAR® G2. On both sides of the PIXBAR® G2 there are three threads on the top edge of the housing (1). Mount the glare shield on the desired side of the PIXBAR® G2 using the three knurled screws (2).



CARE, MAINTENANCE AND REPAIR

In order to ensure the long-term, proper functioning of the device, it must be regularly cleaned and, if necessary, serviced. The servicing requirement depends on the intensity of use and the environment in which it is used.

A visual inspection should be carried out before each commissioning. In particular, all safety-relevant components, such as connecting elements, safety points, electrical connections and cables, must be taken into account. Furthermore, we recommend carrying out all the applicable maintenance measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited should defects result from inadequate service and maintenance.

CARE (carried out by user)



WARNING! Before carrying out any care or maintenance, the power supply – and, if possible, all device connections – must be disconnected.



PLEASE NOTE! Improper care can lead to impairment of the device or even its destruction.

1. Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.

2. Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case, as they could otherwise over-rev.).
3. Cables and connectors must be cleaned regularly and dust and dirt must be removed.
4. In general, no cleaning agents or abrasive agents may be used, otherwise the surface finish may be damaged.
5. Devices must be stored in a dry environment and protected from dust and dirt.
6. To ensure correct and safe operation, all accessible or removable lenses and light-emitting apertures must be cleaned regularly.

MAINTENANCE AND REPAIR (by qualified personnel only)



DANGER! There are live components in the device. Even after disconnecting from the mains, there may still be residual voltage in the device, e.g. due to charged capacitors.



PLEASE NOTE! There are no user-serviceable assemblies in the device.



PLEASE NOTE! Maintenance and repair work may only be carried out by sufficiently qualified specialist personnel. In doubt, consult a specialist workshop.



PLEASE NOTE! Improperly performed maintenance work may affect the warranty claim.



PLEASE NOTE! For conversion or retrofit sets provided by the manufacturer, be sure to observe the enclosed installation instructions.

OPTIONAL ACCESSORIES

CLPBG2FILTER55

55° frost filter

CLPBG2FILTER70

70° frost filter

CLPBG2FILTER2555

25° x 55° Frost filter

CLPBG2STACKKIT

Connecting element for the secure mechanical connection of two PIXBAR® G2

CLPBG2VERTIMOUNT

Stop set for mounting a PIXBAR® G2 on the Omega mounting bracket CLOMEGABRACKET1 and for mounting on the connection set CLPBG2M20ADA

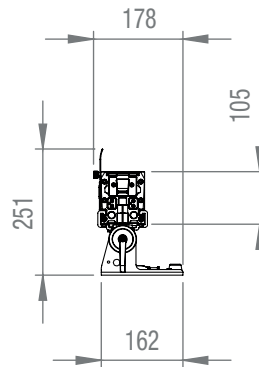
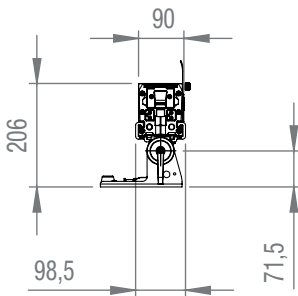
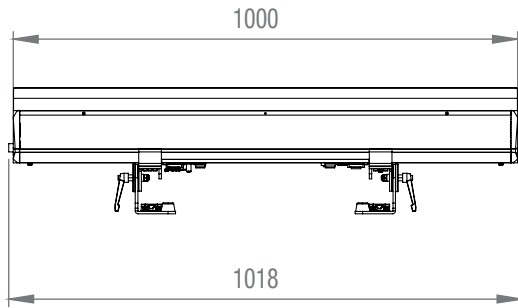
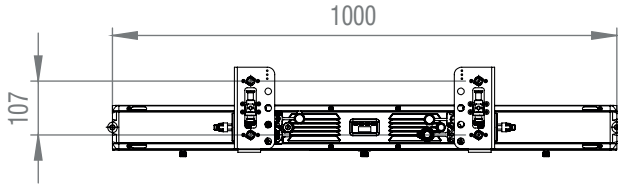
CLOMEGABRACKET1

Omega mounting bracket

CLPBG2M20ADA

Connection set for mounting a PIXBAR® G2 on a stand with M20 thread

DIMENSIONS (mm)



TECHNICAL DATA

Item number	CLPBTWIPG2
Product category	Static LED light
Type	LED Bar
Light source	16 x 10 W WW-CW-A LEDs
Luminous flux peak (cold)	4200lm @ Full-On; A: 700lm; CW: 2000lm; WW: 2200lm
Lense / optic	16 x 30 mm acryl lens
PWM frequency	650 Hz; 1530 Hz; 3600 Hz; 12000 Hz; 18900 Hz; 25000 Hz
Dimmer resolution	8 / 16 Bit
Dimmer curves	Linear, exponential, s-curve, logarithmic
Halogen simulation	Dimmer response LED; Dimmer response halogen
Strobe	0 Hz - 20 Hz
CRI	>95 @ 2700K
Beam angle / field angle	24° / 49°
LED color temperature	A: 597nm; WW: 2650K; CW: 6500K
Color mixing	A; WW; CW
Color control modes	A; WW; CW (direct); CCT
CCT	1800 K - 6500 K
Calibration	Raw; User
Control protocols	DMX; RDM; Wireless; Stand-Alone; Master-Slave; EZ-Remote
Data connections	5-Pin XLR in/out IP65; Wireless DMX
DMX modes	1CH Dim; 2CH CCT; 3CH Direct; 3CH Strobe CCT; 5CH Direct; 8CH Direct Ctrl; 10CH Effect Pattern; 11CH Wash; 16CH Pixel; 18CH CCT; 26CH Pattern; 48CH Pixel; 52CH Pixel Dim; D2CH Dim; D4CH CCT; D6CH Direct
DMX functions	Dimmer; Dimmer fine; Strobe Functions; Amber; Amber fine; Warm White; Warm White fine; Cold White; Cold White fine; Color Temperature; Pattern Folder; Pattern Selection; Pattern Speed; Pattern Transition; Pattern Fade/Wake Effect; Background Dimmer; Background Dimmer fine; Background Strobe; Running Effect Pattern; Background Dimmer; Background Dimmer fine; Background Strobe Functions; Background Amber; Background Amber fine; Background WW; Background WW fine; Background CW; Background CW fine; Background Color Temperature; Device Settings; Grouping; DMX-Delay (EZ-Chase); Dimmer Pixel 1,... Dimmer Pixel 16; Pixel: A1, WW1, CW1,... A16, WW16, CW16
RDM functions	Cameo standard RDM functions
Stand alone	Direct LED; CCT; Play Loop; Timer; Slave

System settings	Wireless: State; Signal Routing; Linking; Operation Mode. Display: Reverse; Autolock; Off Timer. Dimmer: Curve; PWM; Response. Signal Fail: Hold; Last Stand Alone; Fade to Black; Scene 1; Full. Pixel Mirror: Off; Horizontal; Vertical; Horizontal & Vertical. Store Default: User A; User B; User C
User interface	4-button: MENU; ENTER; UP; DOWN
Display	2 row OLED
IP rating	IP65 for temporary outdoor use
Ambient temperature rating (in operation)	T -20°C - 45°C (unit operational) -10°C - 45°C (display operational)
Humidity	Up to 100% (non condensing)
Cooling system	Passive convection, fanless
Noise level	Noise free
Operation voltage	100 V AC - 240 V AC; 50 Hz - 60 Hz
Max. current	0.7 A @ 230 V; 1.55 A @ 110 V
Inrush current	39 A @ 0.18 ms
Max. power consumption	180 W @ 230 V / 110 V
Standby power	9 W
Power connectors	Seetronic IP65 In + Out
Power link	Up to 9 units @ 230 V; up to 5 units @ 110 V
Minimum distance to the illuminated surface	0.3 m
Minimum distance to normal flammable materials	0.017 m
Housing	Aluminium, black powder coated
Dimensions w/h/d	1018 mm (1000 mm when units are linked) x 206 mm x 178 mm
Weight	12 kg
RDM UID	0x08A4004E 0000-FFFF

EXPLANATION OF IP PROTECTION CLASS

1. An IP rating only reflects protection from solid objects and water. It does not describe general weather resistance, such as protection from UV radiation and temperature, etc.
2. The first identification digit indicates protection from dust, solid objects and contact:

IP2X	Protected against solid foreign objects \geq 12.5 mm in diameter
IP3X	Protected against solid foreign objects \geq 2.5 mm in diameter

IP4X	Protected against solid foreign objects ≥ 1.0 mm in diameter
IP5X	Protected against dust in harmful quantities and completely protected against contact
IP6X	Dust-tight and completely protected against contact

3. The second identification digit indicates protection from water:

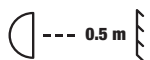
IPX0	No protection
IPX1	Protection against dripping water
IPX2	Protection against dripping water when the device is tilted by up to 15°
IPX3	Protection against falling spray water up to 60° from the vertical
IPX4	Protection against splashing water on all sides
IPX5	Protection against water jets (nozzle) from any angle
IPX6	Protection against strong water jets
IPX7	Protection against temporary immersion

4. In addition, some device-specific measures such as covers and sealing caps are necessary in order to achieve the specified rating (e.g. protective caps on unused connections).



The IP rating of the product can be found in the technical specifications and is printed on the device.

MINIMUM DISTANCE TO ILLUMINATED SURFACE



This symbol with the distance stated in metres (m) indicates the minimum distance of the light fixture to the illuminated surface. In this example, the distance is 0.5 m. The value valid for this unit can be found in the technical specifications in this manual and is printed on the device housing!

MINIMUM DISTANCE TO NORMALLY FLAMMABLE MATERIALS



This symbol with the distance stated in metres (m) indicates the minimum distance of the device to normally flammable materials. In this example, the distance is 0.5 m. For the value valid for this unit, please refer to the technical specifications in this manual!

DISPOSAL



PACKAGING:

1. Packaging can be recycled using the usual disposal methods.
2. Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.



DEVICE:

1. This device is subject to the European Directive on Waste Electrical and Electronic Equipment as amended. WEEE Directive Waste Electrical and Electronic Equipment. Electronic devices do not belong in household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country!
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally-friendly disposal options from the seller of the product or the appropriate regional authorities.

MANUFACTURER'S DECLARATIONS

Manufacturer's warranty & limitation of liability

Adam Hall GmbH | Adam-Hall-Str.1 | 61267 Neu-Anspach | Germany

E-mail: Info@adamhall.com / +49 (0)6081 / 9419-0

Our current warranty conditions and limitation of liability can be found at:

https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO_DE_EN_ES_FR.pdf

For service requests, please contact your distribution partner.

CE conformity

Adam Hall GmbH hereby confirms that this product meets the following guidelines (where applicable):

Low-Voltage Directive (2014/35/EU)

EMC Directive (2014/30/EU)

RoHS (2011/65/EU)

RED (2014/53/EU)

EC Declaration of Conformity

Declarations of conformity for products subject to the LVD, EMC, and RoHS Directives can be requested from info@adamhall.com

Declarations of conformity for products subject to RED can be downloaded from www.adamhall.com/compliance/

Subject to misprints and errors, as well as technical or other modifications!

**DMX CONTROL / DMX STEUERUNG / PILOTAGE DMX /
CONTROL DMX / STEROWANIE DMX / CONTROLLO DMX**

1CH Dim	2CH CCT	3CH Direct	3CH Strobe CCT	5CH Direct				
Channels					Function	Values		
Color = last setting in Stand Alone Mode CCT	1		1	1	Dimmer	000 - 255	0% to 100%	
					Strobe Functions	000 - 005	Open	
						006 - 010	Closed	
						011 - 022	Ramp up/down slow to fast	
						023 - 033	Ramp up/down random slow to fast	
						034 - 045	Ramp up slow to fast	
						046 - 056	Ramp up random slow to fast	
						057 - 068	Ramp down slow to fast	
						069 - 079	Ramp down random slow to fast	
						080 - 102	Random Strobe effect slow to fast	
						103 - 127	Strobe Break effect 5s to 1s (short burst with break)	
					128 - 250	Strobe slow to fast (<1Hz to 20Hz)		
				251 - 255	Open			
		1		3	Amber	000 - 255	0% to 100%	
		2		4	Warm White	000 - 255	0% to 100%	
		3		5	Cold White	000 - 255	0% to 100%	
	2		3		Color Temperature	000 - 005	Off	
						006 - 006	Warm white	
						007 - 046	Warm white to 2700K	
						047 - 047	Bulb White (2700K)	
						048 - 087	2700K to 3200K	
						088 - 088	Halogen White (3200K)	
						089 - 128	3200K to 4000K	
						129 - 129	Neutral White (4000K)	
						130 - 169	4000K to 5600K	
						170 - 170	Studio White (5600K)	
					171 - 210	5600K to 6500K		
					211 - 211	Daylight White (6500K)		

	2		3		Color Tempera- ture	212	-	251	6500K to Cold white
						252	-	255	Cold white

8CH	10CH	11CH							
Direct Ctrl	Effect Pattern	Wash							
Channels			Function	Values				Subgroup	
1	1	1	Dimmer	000	-	255	0% to 100%	Dimmer	
2	2	2	Dimmer fine	000	-	255			
3	3	3	Strobe Functions	000	-	005	Open	Multifunctional Strobe	
				006	-	010	Closed		
				011	-	022	Ramp up/down slow to fast		
				023	-	033	Ramp up/down random slow to fast		
				034	-	045	Ramp up slow to fast		
				046	-	056	Ramp up random slow to fast		
				057	-	068	Ramp down slow to fast		
				069	-	079	Ramp down random slow to fast		
				080	-	102	Random Strobe effect slow to fast		
				103	-	127	Strobe Break effect 5s to 1s (short burst with break)		
				128	-	250	Strobe slow to fast (<1Hz to 20Hz)		
				251	-	255	Open		
4	4	4	Amber	000	-	255	0% to 100%	Additive Color Mixing	
		5	Amber fine	000	-	255			
5	5	6	Warm White	000	-	255	0% to 100%		
		7	Warm White fine	000	-	255			
6	6	8	Cold White	000	-	255	0% to 100%		
		9	Cold White fine	000	-	255			

7	7	10	Color Temperature (affects Color Mixing)	000 - 005	Off	CCT
				006 - 006	Warm white	
				007 - 046	Warm white to 2700K	
				047 - 047	Bulb White (2700K)	
				048 - 087	2700K to 3200K	
				088 - 088	Halogen White (3200K)	
				089 - 128	3200K to 4000K	
				129 - 129	Neutral White (4000K)	
				130 - 169	4000K to 5600K	
				170 - 170	Studio White (5600K)	
				171 - 210	5600K to 6500K	
				211 - 211	Daylight White (6500K)	
				212 - 251	6500K to Cold white	
252 - 255	Cold white					
	8		Pattern Selection	000 - 005	Off	
				006 - 009	1	
				010 - 013	2	
				014 - 017	3	
				018 - 021	4	
				022 - 025	5	
				026 - 029	6	
				030 - 033	7	
				034 - 037	8	
				038 - 041	9	
				042 - 045	10	
				046 - 229	11 to 49	
230 - 255	50					
	9		Pattern Position & Speed	000 - 005	Effect Pattern Speed Stop	
				006 - 127	Effect Pattern Speed slow to fast	
				128 - 255	Effect Pattern Speed fast to slow (backwards)	
8	10	11	Device settings (hold 3 seconds) (please read remark 1*)	000 - 057	No function	Pixel Mirroring
				058 - 059	Pixel Mirroring Off	
				060 - 061	Pixel Mirroring On	
				062 - 073	No function	Dimming
				074 - 075	Dimmer Response LED	
				076 - 077	Dimmer Response Halogen	
				078 - 081	No function	
082 - 083	DTW (Redshift) On					

8	10	11	Device settings (hold 3 seconds) (please read remark 1*)	084 - 085	DTW (Redshift) Off	Dimming
				086 - 119	No function	
				120 - 121	PWM 1 (650 Hz)	PWM Frequency
				122 - 123	PWM 2 (1530 Hz)	
				124 - 125	PWM 3 (3600 Hz)	
				126 - 127	PWM 4 (12000 Hz)	
				128 - 129	PWM 5 (18900 Hz)	
				130 - 131	PWM 6 (25000 Hz)	
				132 - 133	RAW	Color Calibration
				134 - 135	Factory Calibration	
				136 - 137	User Calibration	
				138 - 139	Smart Calibration	
				140 - 141	Display Always On	Display Functions
				142 - 143	Display Off after 20s	
				144 - 163	No function	
				164 - 165	Dimmer Curve Linear	Dimmer Curve
				166 - 167	Dimmer Curve Exponential	
				168 - 169	Dimmer Curve Logarithmic	
				170 - 171	Dimmer Curve S-Curve	
				172 - 173	CCT Fade Maximum Brightness	CCT Fade
				174 - 175	CCT Fade Constant Brightness	
				176 - 239	No function	
				240 - 241	Load Factory Defaults	Load Default
				242 - 243	No function	
				244 - 245	Load User Default A	
246 - 247	Load User Default B					
248 - 249	Load User Default C					
250 - 255	No function					

16CH Pixel	18CH Pixel CCT				
Channels		Function	Values		
Color = last setting in Stand Alone Mode CCT	1	Color Temperature	000 - 005	Off	
			006 - 006	Warm white	
			007 - 046	Warm white to 2700K	
			047 - 047	Bulb White (2700K)	
			048 - 087	2700K to 3200K	
			088 - 088	Halogen White (3200K)	
			089 - 128	3200K to 4000K	
			129 - 129	Neutral White (4000K)	
			130 - 169	4000K to 5600K	
			170 - 170	Studio White (5600K)	
			171 - 210	5600K to 6500K	
			211 - 211	Daylight White (6500K)	
			212 - 251	6500K to Cold white	
			252 - 255	Cold white	
	2	Device settings (hold 3 seconds) (please read remark 1*)	000 - 057	No function	
			058 - 059	Pixel Mirroring Off	
			060 - 061	Pixel Mirroring On	
			062 - 073	No function	
			074 - 075	Dimmer Response LED	
			076 - 077	Dimmer Response Halogen	
			078 - 081	No function	
			082 - 083	DTW (Redshift) On	
			084 - 085	DTW (Redshift) Off	
			086 - 119	No function	
			120 - 121	PWM 1 (650 Hz)	
			122 - 123	PWM 2 (1530 Hz)	
			124 - 125	PWM 3 (3600 Hz)	
			126 - 127	PWM 4 (12000 Hz)	
			128 - 129	PWM 5 (18900 Hz)	
			130 - 131	PWM 6 (25000 Hz)	
			132 - 133	RAW	
			134 - 135	Factory Calibration	
			136 - 137	User Calibration	
			138 - 139	Smart Calibration	
			140 - 141	Display Always On	
142 - 143	Display Off after 20s				
144 - 163	No function				
164 - 165	Dimmer Curve Linear				

2	Device settings (hold 3 seconds) (please read remark 1*)	166 - 167	Dimmer Curve Exponential	
		168 - 169	Dimmer Curve Logarithmic	
		170 - 171	Dimmer Curve S-Curve	
		172 - 173	CCT Fade Maximum Brightness	
		174 - 175	CCT Fade Constant Brightness	
		176 - 239	No function	
		240 - 241	Load Factory Defaults	
		242 - 243	No function	
		244 - 245	Load User Default A	
		246 - 247	Load User Default B	
248 - 249	Load User Default C			
250 - 255	No function			
1	3	Dimmer Pixel 1	000 - 255	0% to 100%
2	4	Dimmer Pixel 2	000 - 255	0% to 100%
3	5	Dimmer Pixel 3	000 - 255	0% to 100%
4	6	Dimmer Pixel 4	000 - 255	0% to 100%
5	7	Dimmer Pixel 5	000 - 255	0% to 100%
6	8	Dimmer Pixel 6	000 - 255	0% to 100%
7	9	Dimmer Pixel 7	000 - 255	0% to 100%
8	10	Dimmer Pixel 8	000 - 255	0% to 100%
9	11	Dimmer Pixel 9	000 - 255	0% to 100%
10	12	Dimmer Pixel 10	000 - 255	0% to 100%
11	13	Dimmer Pixel 11	000 - 255	0% to 100%
12	14	Dimmer Pixel 12	000 - 255	0% to 100%
13	15	Dimmer Pixel 13	000 - 255	0% to 100%
14	16	Dimmer Pixel 14	000 - 255	0% to 100%
15	17	Dimmer Pixel 15	000 - 255	0% to 100%
16	18	Dimmer Pixel 16	000 - 255	0% to 100%

26CH Pattern						
Channel	Function	Values			Subgroup	
1	Dimmer	000	-	255	0% to 100%	Dimmer
2	Dimmer fine	000	-	255		
3	Strobe Functions	000	-	005	Open	Multifunctional Strobe
		006	-	010	Closed	
		011	-	022	Ramp up/down slow to fast	
		023	-	033	Ramp up/down random slow to fast	
		034	-	045	Ramp up slow to fast	

3	Strobe Functions	046	-	056	Ramp up random slow to fast	Multifunctional Strobe
		057	-	068	Ramp down slow to fast	
		069	-	079	Ramp down random slow to fast	
		080	-	102	Random Strobe effect slow to fast	
		103	-	127	Strobe Break effect 5s to 1s (Short burst with break)	
		128	-	250	Strobe slow to fast (<1Hz to 20Hz)	
		251	-	255	Open	
4	Amber	000	-	255	Additive Color Mixing	
5	Amber fine	000	-	255		
6	Warm White	000	-	255		
7	Warm White fine	000	-	255		
8	Cold White	000	-	255		
9	Cold White fine	000	-	255		
10	Color Temperature (affects Color Mixing)	000	-	005	Off	CCT
		006	-	006	Warm white	
		007	-	046	Warm white to 2700K	
		047	-	047	Bulb White (2700K)	
		048	-	087	2700K to 3200K	
		088	-	088	Halogen White (3200K)	
		089	-	128	3200K to 4000K	
		129	-	129	Neutral White (4000K)	
		130	-	169	4000K to 5600K	
		170	-	170	Studio White (5600K)	
		171	-	210	5600K to 6500K	
		211	-	211	Daylight White (6500K)	
		212	-	251	6500K to Cold white	
252	-	255	Cold white			
11	Pattern Folder	000	-	005	Off	Pattern
		006	-	064	Static Pattern 1	
		065	-	128	Static Pattern 2	
		129	-	192	Effect Pattern 1	
		193	-	255	Effect Pattern 2	
12	Pattern Selection	000	-	005	Off	Pattern
		006	-	009	1	
		010	-	013	2	
		014	-	017	3	
		018	-	021	4	

ENGLISH	12	Pattern Selection	022	-	025	5	Pattern
			026	-	029	6	
			030	-	033	7	
			034	-	037	8	
			038	-	041	9	
			042	-	045	10	
			046	-	229	11 to 49	
			230	-	255	50	
DEUTSCH	13	Pattern Position & Speed	000	-	005	Effect Pattern Speed Stop	Pattern
			006	-	127	Effect Pattern Speed slow to fast	
			128	-	255	Effect Pattern Speed fast to slow (backwards)	
FRANCAIS	14	Pattern Transition	000	-	005	0s (Off)	Background Dimmer
			006	-	255	0,1s to 5s	
ESPANOL	15	Pattern Fade/Wake Effect	000	-	005	off	Background Dimmer
			006	-	127	Fade 0% to 100%	
			128	-	255	Wake 0% to 100%	
POLSKI	16	Background Dimmer	000	-	255	0% to 100%	Background Dimmer
	17	Background Dimmer fine	000	-	255		
ITALIANO	18	Background Strobe	000	-	005	Open	Background Strobe
			006	-	010	Closed	
			011	-	022	Ramp up/down slow to fast	
			023	-	033	Ramp up/down random slow to fast	
			034	-	045	Ramp up slow to fast	
			046	-	056	Ramp up random slow to fast	
			057	-	068	Ramp down slow to fast	
			069	-	079	Ramp down random slow to fast	
			080	-	102	Random Strobe effect slow to fast	
			103	-	127	Strobe Break effect 5s to 1s (Short burst with break)	
			128	-	250	Strobe slow to fast (<1Hz to 20Hz)	
251	-	255	Open				
DMX	19	Background Amber	000	-	255	0% to 100%	Additive Background Color Mixing

20	Background Amber fine	000	-	255	0% to 100%	Additive Background Color Mixing
21	Background Warm White	000	-	255	0% to 100%	
22	Background Warm White fine	000	-	255		
23	Background Cold White	000	-	255	0% to 100%	
24	Background Cold White fine	000	-	255		
25	Background Color Temperature (affects Background Color Mixing)	000	-	005	Off	Background CCT
		006	-	006	Warm white	
		007	-	046	Warm white to 2700K	
		047	-	047	Bulb White (2700K)	
		048	-	087	2700K to 3200K	
		088	-	088	Halogen White (3200K)	
		089	-	128	3200K to 4000K	
		129	-	129	Neutral White (4000K)	
		130	-	169	4000K to 5600K	
		170	-	170	Studio White (5600K)	
		171	-	210	5600K to 6500K	
		211	-	211	Daylight White (6500K)	
		212	-	251	6500K to Cold white	
252	-	255	Cold white			
26	Device settings (hold 3 seconds) (please read remark 1*)	000	-	057	No function	Pixel Mirroring
		058	-	059	Pixel Mirroring Off	
		060	-	061	Pixel Mirroring On	
		062	-	073	No function	Dimming
		074	-	075	Dimmer Response LED	
		076	-	077	Dimmer Response Halogen	
		078	-	081	No function	
		082	-	083	DTW (Redshift) On	
		084	-	085	DTW (Redshift) Off	PWM Frequency
		086	-	119	No function	
		120	-	121	PWM 1 (650 Hz)	
		122	-	123	PWM 2 (1530 Hz)	
		124	-	125	PWM 3 (3600 Hz)	
		126	-	127	PWM 4 (12000 Hz)	
		128	-	129	PWM 5 (18900 Hz)	
130	-	131	PWM 6 (25000 Hz)			
132	-	133	RAW	Color Calibration		

26	Device settings (hold 3 seconds) (please read remark 1*)	134 - 135	Factory Calibration	Color Calibration
		136 - 137	User Calibration	
		138 - 139	Smart Calibration	
		140 - 141	Display Always On	Display Functions
		142 - 143	Display Off after 20s	
		144 - 163	No function	
		164 - 165	Dimmer Curve Linear	Dimmer Curve
		166 - 167	Dimmer Curve Exponential	
		168 - 169	Dimmer Curve Logarithmic	
		170 - 171	Dimmer Curve S-Curve	
		172 - 173	CCT Fade Maximum Brightness	CCT Fade
		174 - 175	CCT Fade Constant Bright- ness	
		176 - 239	No function	
		240 - 241	Load Factory Defaults	Load Default
		242 - 243	No function	
		244 - 245	Load User Default A	
246 - 247	Load User Default B			
248 - 249	Load User Default C			
250 - 255	No function			

48CH Pixel	52CH Pixel Dim				
Channels	Function	Values			Subgroup
1	Dimmer	000 - 255	0% to 100%	Dimmer	
	Dimmer fine	000 - 255			
3	Strobe Functions	000 - 005	Open	Multifunctional Strobe	
		006 - 010	Closed		
		011 - 022	Ramp up/down slow to fast		
		023 - 033	Ramp up/down random slow to fast		
		034 - 045	Ramp up slow to fast		
		046 - 056	Ramp up random slow to fast		
		057 - 068	Ramp down slow to fast		
		069 - 079	Ramp down random slow to fast		
		080 - 102	Random Strobe effect slow to fast		

3	Strobe Functions	103 - 127	Strobe Break effect 5s to 1s (Short burst with break)	Multifunctional Strobe
		128 - 250	Strobe slow to fast (<1Hz to 20Hz)	
		251 - 255	Open	
4	Device settings (hold 3 seconds) (please read remark 1*)	000 - 057	No function	Pixel Mirroring
		058 - 059	Pixel Mirroring Off	
		060 - 061	Pixel Mirroring On	
		062 - 073	No function	Dimming
		074 - 075	Dimmer Response LED	
		076 - 077	Dimmer Response Halogen	
		078 - 081	No function	
		082 - 083	DTW (Redshift) On	
		084 - 085	DTW (Redshift) Off	PWM Frequency
		086 - 119	No function	
		120 - 121	PWM 1 (650 Hz)	
		122 - 123	PWM 2 (1530 Hz)	
		124 - 125	PWM 3 (3600 Hz)	
		126 - 127	PWM 4 (12000 Hz)	
		128 - 129	PWM 5 (18900 Hz)	Color Calibration
		130 - 131	PWM 6 (25000 Hz)	
		132 - 133	RAW	
		134 - 135	Factory Calibration	
		136 - 137	User Calibration	Display Functions
		138 - 139	Smart Calibration	
		140 - 141	Display Always On	Dimmer Curve
		142 - 143	Display Off after 20s	
		144 - 163	No function	
		164 - 165	Dimmer Curve Linear	
		166 - 167	Dimmer Curve Exponential	
		168 - 169	Dimmer Curve Logarithmic	CCT Fade
		170 - 171	Dimmer Curve S-Curve	
		172 - 173	CCT Fade Maximum Brightness	
		174 - 175	CCT Fade Constant Brightness	Load Default
		176 - 239	No function	
240 - 241	Load Factory Defaults			
242 - 243	No function			
244 - 245	Load User Default A			
246 - 247	Load User Default B			
248 - 249	Load User Default C			
250 - 255	no function			

ENGLISH	1	5	Amber 1	000	-	255	0% to 100%	Color Mixing Pixel 1
	2	6	Warm White 1	000	-	255	0% to 100%	
	3	7	Cold White 1	000	-	255	0% to 100%	
DEUTSCH	4	8	Amber 2	000	-	255	0% to 100%	Color Mixing Pixel 2
	5	9	Warm White 2	000	-	255	0% to 100%	
	6	10	Cold White 2	000	-	255	0% to 100%	
FRANCAIS	7	11	Amber 3	000	-	255	0% to 100%	Color Mixing Pixel 3
	8	12	Warm White 3	000	-	255	0% to 100%	
	9	13	Cold White 3	000	-	255	0% to 100%	
ESPANOL	10	14	Amber 4	000	-	255	0% to 100%	Color Mixing Pixel 4
	11	15	Warm White 4	000	-	255	0% to 100%	
	12	16	Cold White 4	000	-	255	0% to 100%	
POLSKI	13	17	Amber 5	000	-	255	0% to 100%	Color Mixing Pixel 5
	14	18	Warm White 5	000	-	255	0% to 100%	
	15	19	Cold White 5	000	-	255	0% to 100%	
ITALIANO	16	20	Amber 6	000	-	255	0% to 100%	Color Mixing Pixel 6
	17	21	Warm White 6	000	-	255	0% to 100%	
	18	22	Cold White 6	000	-	255	0% to 100%	
DMX	19	23	Amber 7	000	-	255	0% to 100%	Color Mixing Pixel 7
	20	24	Warm White 7	000	-	255	0% to 100%	
	21	25	Cold White 7	000	-	255	0% to 100%	
	22	26	Amber 8	000	-	255	0% to 100%	Color Mixing Pixel 8
	23	27	Warm White 8	000	-	255	0% to 100%	
	24	28	Cold White 8	000	-	255	0% to 100%	
	25	29	Amber 9	000	-	255	0% to 100%	Color Mixing Pixel 9
	26	30	Warm White 9	000	-	255	0% to 100%	
	27	31	Cold White 9	000	-	255	0% to 100%	
	28	32	Amber 10	000	-	255	0% to 100%	Color Mixing Pixel 10
	29	33	Warm White 10	000	-	255	0% to 100%	
	30	34	Cold White 10	000	-	255	0% to 100%	
	31	35	Amber 11	000	-	255	0% to 100%	Color Mixing Pixel 11
	32	36	Warm White 11	000	-	255	0% to 100%	
	33	37	Cold White 11	000	-	255	0% to 100%	
	34	38	Amber 12	000	-	255	0% to 100%	Color Mixing Pixel 12
	35	39	Warm White 12	000	-	255	0% to 100%	
	36	40	Cold White 12	000	-	255	0% to 100%	
	37	41	Amber 13	000	-	255	0% to 100%	Color Mixing Pixel 13
	38	42	Warm White 13	000	-	255	0% to 100%	
	39	43	Cold White 13	000	-	255	0% to 100%	
	40	44	Amber 14	000	-	255	0% to 100%	Color Mixing Pixel 14
	41	45	Warm White 14	000	-	255	0% to 100%	
	42	46	Cold White 14	000	-	255	0% to 100%	

43	47	Amber 15	000	-	255	0% to 100%	Color Mixing Pixel 15
44	48	Warm White 15	000	-	255	0% to 100%	
45	49	Cold White 15	000	-	255	0% to 100%	
46	50	Amber 16	000	-	255	0% to 100%	Color Mixing Pixel 16
47	51	Warm White 16	000	-	255	0% to 100%	
48	52	Cold White 16	000	-	255	0% to 100%	

D2CH Dim	D4CH CCT	D6CH Di-rect				
Channels			Function	Values		
1	1	1	Dimmer	000	-	255 0% to 100%
Color = last setting in Stand Alone Mode CCT	2	2	Strobe Functions	000	-	005 Open
				006	-	010 Closed
				011	-	022 Ramp up/down slow to fast
				023	-	033 Ramp up/down random slow to fast
				034	-	045 Ramp up slow to fast
				046	-	056 Ramp up random slow to fast
				057	-	068 Ramp down slow to fast
				069	-	079 Ramp down random slow to fast
				080	-	102 Random Strobe effect slow to fast
				103	-	127 Strobe Break effect 5s to 1s (short burst with break)
	128	-	250 Strobe slow to fast (<1Hz to 20Hz)			
	251	-	255 Open			
		3	Amber	000	-	255 0% to 100%
		4	Warm White	000	-	255 0% to 100%
		5	Cold White	000	-	255 0% to 100%
		3	Color Temperature	000	-	005 Off
	006			-	006 Warm white	
	007			-	046 Warm white to 2700K	
	047			-	047 Bulb White (2700K)	
	048			-	087 2700K to 3200K	
088	-			088 Halogen White (3200K)		
089	-			128 3200K to 4000K		
129	-			129 Neutral White (4000K)		
130	-			169 4000K to 5600K		
170	-			170 Studio White (5600K)		
171	-	210 5600K to 6500K				
211	-	211 Daylight White (6500K)				
212	-	251 6500K to Cold white				

	3		Color Temperature	252	-	255	Cold white
2	4	6	DMX Delay	000	-	005	Off (no Delay)
				006	-	255	0,1s to 2,0s

EN: (1*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.

DE: (1*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.

FR: (1*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.

ES: (1*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.

PL: (1*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.

IT: (1*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.

DMX

ITALIANO

POLSKI

ESPAÑOL

FRANCAIS

DEUTSCH

ENGLISH

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

DMX

ITALIANO

POLSKI

ESPAÑOL

FRANCAIS

DEUTSCH

ENGLISH



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