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

cameo®

GREEN SOLUTION

LED TECHNOLOGY

RGB **W**

512 DMX

STAND ALONE MODE

IP65

ROOT® PAR IP
LED OUTDOOR SPOTLIGHT
CLROOTPARIP

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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

This 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!
Temporary operation! Event equipment is generally designed for temporary use only and not for continuous operation and fixed installation!
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:
• 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).

EXPLANATIONS OF TERMS AND SYMBOLS

1. **DANGER:** The word DANGER, possibly in combination with a symbol, indicates immediately hazardous situations or conditions for life and limb.

2. **WARNING:** The word WARNING, possibly in combination with a symbol, indicates potentially hazardous situations or conditions for life and limb.

3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, indicates situations or conditions that may lead to injury.

4. **ATTENTION:** The word ATTENTION, possibly in combination with a symbol, indicates situations or conditions that may lead to damage to property and/or the environment.

This symbol identifies hazards that can cause electric shock.

This symbol indicates hazardous areas or hazardous situations.

This symbol indicates hazards caused by hot surfaces.

This symbol indicates that you must avoid looking or staring at the light source.

This symbol indicates hazards due to suspended loads.

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

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

SAFETY INSTRUCTIONS

DANGER:
1. Do not open the device, and do not make any modifications to it.
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 power supply. The device may be repaired only by authorised qualified personnel.
3. For devices of protection class 1, the protective conductor must be connected correctly. Never disconnect the protective conductor. Devices of protection class 2 do not have a protective 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 device's mains cable is damaged, the device may not be operated.
4. Permanently attached mains cables may only be replaced by a qualified person.

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ATTENTION:
1. Do not operate the device if it has been exposed to large temperature fluctuations (for example, after transport). Moisture and condensation may 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 correspond to the values specified on the device. If the device has a voltage selector switch, do not connect the device until it has been set correctly. Use only suitable mains 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 specified on the device.
5. Make sure that appropriate measures have been taken against power surges (for example, lightning strike).
6. Observe the specified maximum output current on devices with Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Replace plug-in mains cables only with original cables.

DANGER:
1. Danger of suffocation/choking! 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 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, for example, 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 or other movable components may become jammed.
2. Devices with motor-driven components may result in injury from the movement of the device. Sudden movement of the device can cause shock reactions.
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, charging, or similar.

ATTENTION:
1. Do not install or operate the device near any radiators, heat registers, stoves, 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 burning candles near the device.
3. Ventilation openings 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 protection class, as well as the ambient conditions such as temperature and humidity according to the specification.
7. Devices can be constantly further developed. In the event of deviating information on operating conditions, performance, or other device properties between the user manual and the device labelling, the information on the device always takes priority.
8. The device is not suitable for tropical climates and for operation at heights of 2,000 m above sea level or higher.
9. Unless explicitly stated, the device 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 NOTES ON LIGHTING PRODUCTS!
This device is assigned to risk group 0.
1. Never look directly into the light source, not even for a short period of time.

2. Never look into the light source 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. The lamps contained in this light source may only be replaced by the manufacturer, its service partner, or a similarly qualified person.

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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 (for example, 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 for the product includes:
▶ 1 × ROOT PAR IP65 RGBW light
▶ 1 × Tilt screw (pre-assembled)
▶ 1 × Stand and mounting bracket (pre-assembled)
▶ 1 × Mains cable
▶ Safety and compliance information (user manual as a download via QR code)

INTRODUCTION

CONTROL FUNCTIONS:

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2-channel, 4-channel-1, 4-channel-2, 5-channel, 6-channel, 9-channel, D3-channel, D5-channel, D6-channel-1, D6-channel-2, D7-channel, D10-channel DMX control

Master/Slave modes

Stand-alone functions

Control via IR remote control (optionally available)

FEATURES:

7× 8 W RGBW LEDs. IP65 protection class. Convection cooling. Stand or mounting bracket included. Tilt screw for uplight applications. IR remote control and Omega bracket optionally available. Operating voltage: 100 V–240 V AC

The light supports the remote device management (RDM) standard. Remote device management allows the user to request the status of and configure RDM devices using an RDM-capable controller, such as the optionally available Cameo UNICON (product number: CLIREMOTE).

CONNECTIONS AND OPERATING/DISPLAY ELEMENTS

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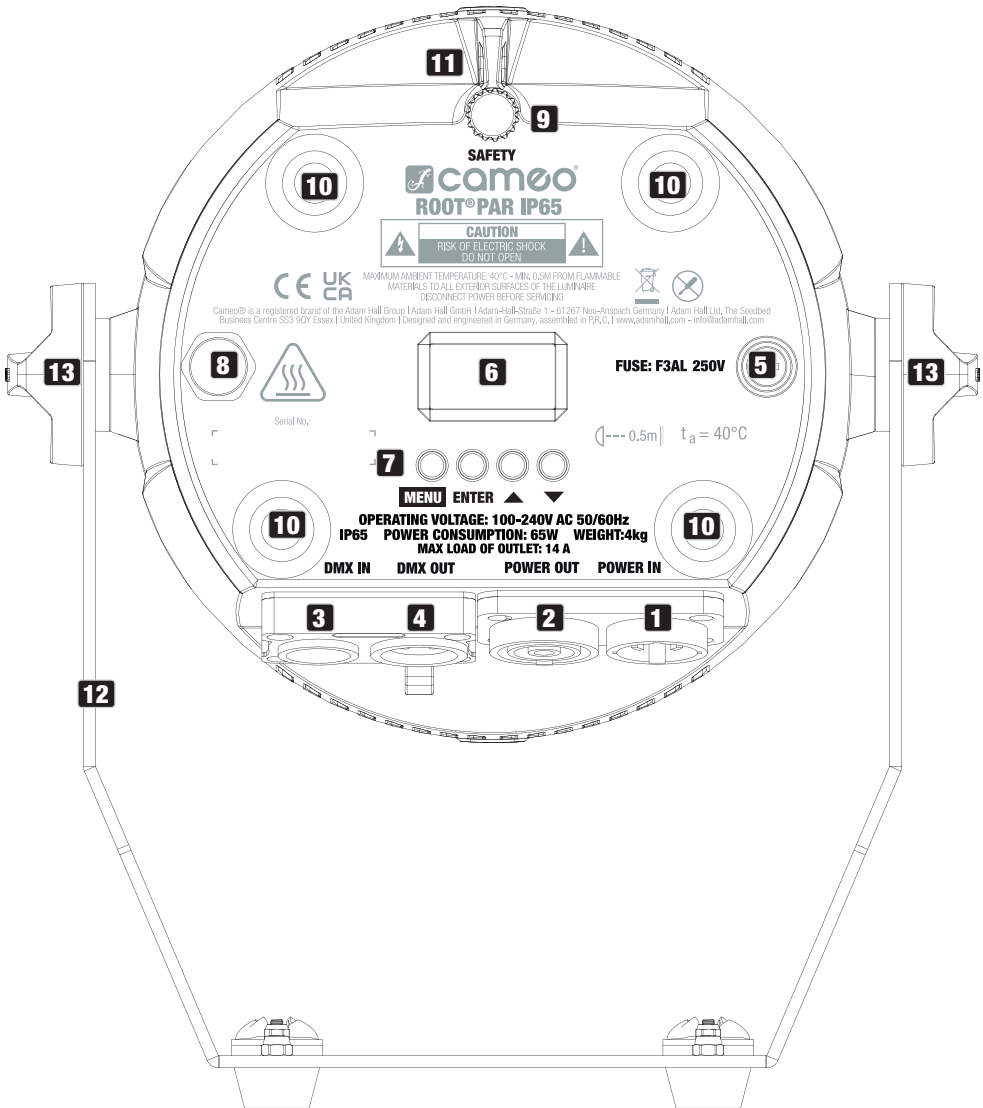
1 POWER IN

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

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2 POWER OUT

IP65 power output socket with rubber sealing cap. 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 three-pin XLR socket for connecting a DMX control device (for example, DMX console; when not in use, always close the rubber sealing cap).

4 DMX OUT

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

5 FUSE

IP65 fuse holder for 5×20 mm micro fuses. IMPORTANT NOTE: Only replace the fuse with a fuse of the same type and value. Carefully reseal the fuse holder to further ensure IP65 tightness. In the event of repeated fuse failure, please contact an authorised service centre.

6 OLED DISPLAY

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

7 CONTROL BUTTONS

MENU – press MENU to access the main menu. Press again or repeatedly to return to the main display.

ENTER – Press ENTER to access the menu layer to make value or status changes, and to access one of the sub-menus. Press ENTER to confirm value or status changes.

▲ and ▼ – select menu items in the main menu (DMX address, DMX mode, etc.) and in the sub-menus. Allows you to change the value of a menu item, such as the DMX address (long press = quick value change), as desired.

8 PRESSURE EQUALISATION ELEMENT

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

9 TILT

Knurled screw for the TILT feature for uplighting. The stand or mounting bracket can be removed (loosen both handle screws) for a more discreet look.

10 RUBBER FEET

Four rubber feet for a secure stand when used as an uplight.

11 SAFETY RING

Safety ring for attaching the light on truss installations.

12 STAND AND MOUNTING BRACKET
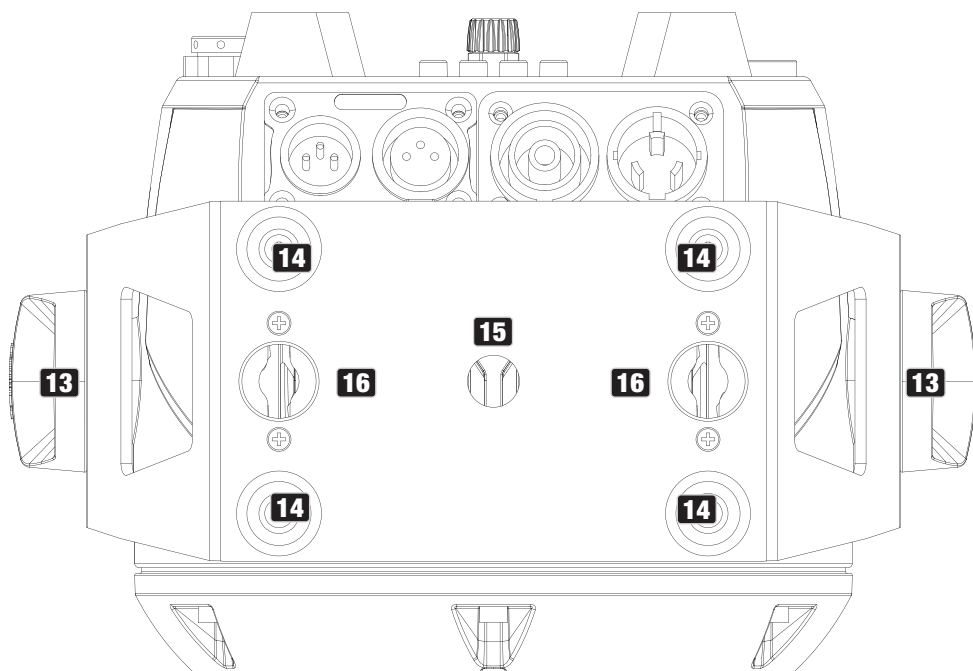
13 HANDLE SCREWS

Two handle screws for adjusting the beam direction.

14 RUBBER FEET

Four rubber feet for a secure stand when the steel bracket is used as a stand bracket.

15 MOUNTING HOLE

Mounting hole for attaching a truss clamp (optionally available).

16 QUICK-RELEASE FASTENER HOLES

Quick-release fastener holes for attaching an Omega bracket (suitable Omega bracket optionally available; product no. CLOMEGABRACKET1).

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INFRARED SENSOR

The infrared sensor for control via IR remote control is found on the front of the fixture.

MUSIC CONTROL

The microphone for music control mode is located inside the focusing lens.

ATTENTION: In order to provide protection from water sprays in accordance with the IP65 protection class for the DMX and network sockets, the special 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.

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OPERATION

NOTES

• As soon as the fixture is switched on, the following are displayed in succession: "Welcome to Cameo", the model name, and the software version. After this process, the fixture is ready for operation, and the previously activated operating mode is launched.

• To return directly from the sub-menus to the main display, press and hold MENU for around two seconds.

The main display is activated automatically after approximately two minutes of no input. To navigate one level up in the sub-menus, briefly press MENU.

• To directly access the previously edited menu item, briefly press MENU and ENTER at the same time.

• Briefly pressing the ▲ button when in the main display rotates the display by 180°.

• To quickly change a value, such as the DMX start address, press and hold ▲ or ▼.

MAIN DISPLAY IN DMX OPERATING MODE

In DMX operating mode, the main display shows the currently set DMX start address (see illustration). When the DMX Delay feature is activated, the delay group and delay time are also displayed. Flashing characters in the display indicate that the fixture has no DMX signal.

```
DMX Address
       001
Gr 1            2.0s
```
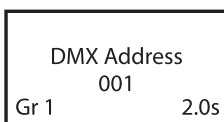
MAIN DISPLAY STAND-ALONE OPERATING MODE

The display shows the currently activated stand-alone operating mode.

```
   Mode
   Auto
```
```
   Mode
   Static
```
```
      Mode
   Color Preset
```
```
     Mode
   User Color
```
```
   Mode
   Loop
```
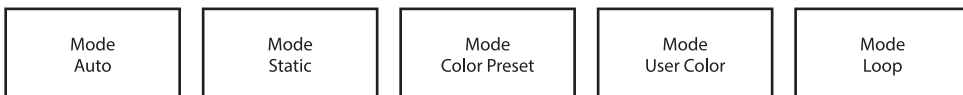
MAIN DISPLAY SLAVE MODE

The display shows slave mode. If the slave unit is assigned to a slave group, the slave group and the delay time set in the master unit under the stand-alone operating modes Auto, Pattern, and Loop are also displayed.

```
      Mode
      Slave
Gr 1            2.0s
```

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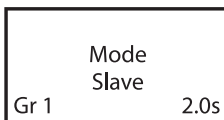
SETTING THE DMX START ADDRESS (DMX Address)

Starting from the main display, press MENU to enter the main menu. Using the ⭡ or ⭣ buttons, now select the menu item **DMX Address** and confirm with ENTER. Use ⭡ or ⭣ to configure the desired DMX start address and press ENTER to confirm (the highest possible value depends on the selected DMX operating mode).

```
-------- Menu --------          ---DMX Address -----
▶ DMX Address                   ▶ DMX Address
  DMX Mode                        D  ┌─────────┐
  DMX Delay                       DMX│ 001 - xxx│elay
  Stand Alone                        └─────────┘
  Slave
  Settings
  System Info
```
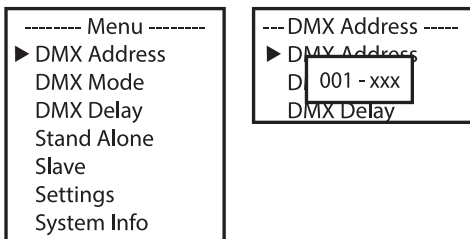
SETTING THE DMX OPERATING MODE (DMX Mode)

Starting from the main display, press MENU to enter the main menu. Using the ⭡ or ⭣ buttons, now select the menu item **DMX Mode** and confirm with ENTER. Select the desired DMX operating mode using ⭡ or ⭣ and confirm with ENTER. Tables showing the channel assignment of the different DMX operating modes can be found in the DMX CONTROL section of this user manual.

```
------- Menu --------        -----DMX Mode -----
  DMX Address                D ▶ 2CH     D3CH
▶ DMX Mode                   ▶ D  4CH1    D5CH
  DMX Delay                    D  4CH2    D6CH1
  Stand Alone                     5CH     D6CH2
  Slave                           6CH     D7CH
  Settings                        9CH     D10CH
  System Info
```
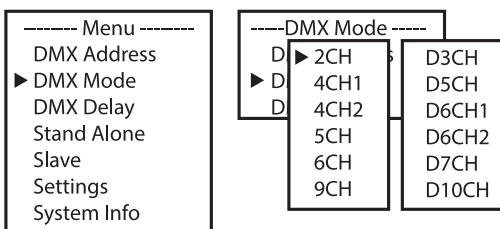
DMX DELAY

The DMX Delay function is a simple way to create a running light effect with a large number of fixtures that are all the same model and that are all running the same software version. This is otherwise only achievable with a suitable DMX controller and time-consuming programming. All the fixtures used in this are set to the same DMX operating mode and controlled via the same DMX start address. All DMX modes with the delay channel are labelled with **D**.

Assign the fixtures to one of up to 23 groups (plus group 0) as desired (maximum group number depends on the activated DMX operating mode). Multiple fixtures may be assigned to a group. The group number is also the factor by which the set delay time is multiplied (see set-up example).

Starting from the main display, press MENU to access the main menu. Using the ▲ and ▼ buttons, now select the menu item **DMX Delay** and confirm by pressing ENTER twice. Now use ▲ and ▼ to set the group as required and confirm the entry with ENTER.

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```
-------- Menu --------
   DMX Address
   DMX Mode
 ▶ DMX Delay
   Stand Alone
   Slave
   Settings
   System Info
```

```
------ DMX Delay ------
 ▶ Group            0
```

```
------DMX Delay ------
 ▶ Group            0
     ┌──────────┐
     │ 0 - 23   │
     └──────────┘
```
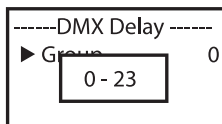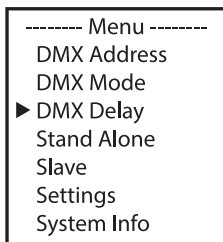
The delay time of the DMX signal is set by means of a DMX controller in the separate DMX delay channel of the corresponding DMX operating mode (0.0 s to 2.0 s in 0.1 s increments).

Set-up example:
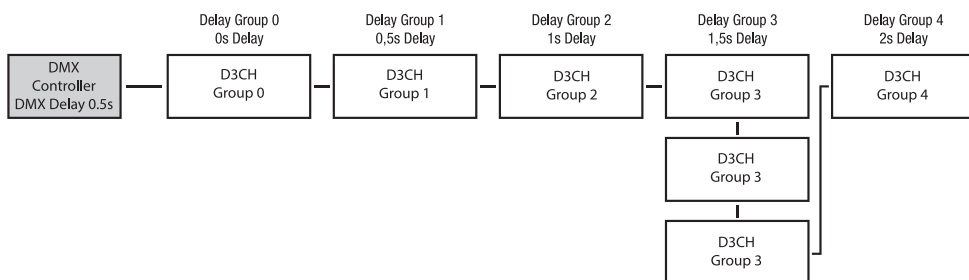
AUTO STAND-ALONE OPERATING MODE

The six available auto programs partly comprise hard-coded colour-change sequences. Brightness, running speed, music control, microphone sensitivity, and delay can be set separately for each program.

Starting from the main display, press MENU to access the main menu. Using the ▲ and▼ buttons, now select the menu item Stand Alone and confirm with ENTER. Use ▲ and ▼ again to select the stand-alone operating mode Auto and confirm with ENTER. Now use ▲ and ▼ to select the desired program (program 1 to program 6) and confirm again with ENTER.

```
-------- Menu --------
   DMX Address
   DMX Mode
   DMX Delay
 ▶ Stand Alone
   Slave
   Settings
   System Info
```

```
----- Stand Alone -----
 ▶ Auto
   Static
   Color Preset
   User Color
   Loop
```

```
----- Auto Mode -----
 ▶Program 1
      |
   Program 6
```

```
----- Program x -----
 ▶Dimmer      0 - 100
   Speed      0 - 100
   Sound      Off / On
   Sens       0 - 100
   Delay    0.0s - 2.0s
```
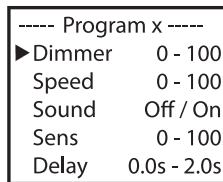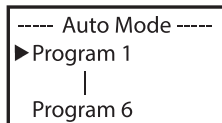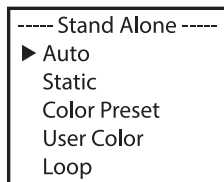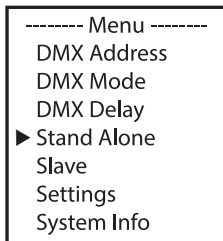
This takes you to the sub-menu for setting the sub-menu items (see table, select with ▲ and ▼, confirm with ENTER, change value or status with ▲ and ▼, and confirm with ENTER). The settings for each program are made separately and are retained even after restarting the device.

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AUTO STAND-ALONE OPERATING MODE (Program 1 - Program 6)			
Dimmer	Sets the brightness	0 - 100	
Speed	Sets the running speed	0 - 100	
Sound	Activates/deactivates music control	Off	Deactivates music control
		On	Activates music control
Sens	Sets microphone sensitivity	0 - 100	
Delay	Delay time for slave groups	0.0s - 2.0s	

STATIC STAND-ALONE OPERATING MODE

The static stand-alone operating mode allows the dimmer, strobe, and R, G, B, and W values to be set directly on the device with values in a similar way to a DMX controller. This allows you to create a custom scene without an additional DMX controller.

Starting from the main display, press MENU to access the main menu. Using ▲ and ▼, now select **Stand Alone**, confirm with ENTER, then select **Static**, and confirm once again with ENTER. Now select the menu item you want to edit, confirm the selection, set the desired value, and confirm the entry.

```
-------- Menu --------
   DMX Address
   DMX Mode
   DMX Delay
 ▶ Stand Alone
   Slave
   Settings
   System Info
```

```
----- Stand Alone -----
   Auto
 ▶ Static
   Color Preset
   User Color
   Loop
```

```
-----  Static  Mode ----
 ▶ Dimmer      0 - 255
   Strobe      0 - 255
   Red         0 - 255
   Green       0 - 255
   Blue        0 - 255
   White       0 - 255
```

COLOR PRESET STAND-ALONE OPERATING MODE

15 different colour presets plus a jump and a fade preset with adjustable running speed are available.

Starting from the main display, press MENU to access the main menu. Using ▲ and ▼, now select the menu item **Stand Alone**, confirm the selection, then select **Color Preset**, and confirm again with ENTER. The desired preset can now be selected. Confirm the selection, set the brightness from 0 to 100, and confirm once again. The operating speed (Speed) can also be set for the two presets Jump and Fade.

```
-------- Menu --------
   DMX Address
   DMX Mode
   DMX Delay
 ▶ Stand Alone
   Slave
   Settings
   System Info
```

```
----- Stand Alone -----
   Auto
   Static
 ▶ Color Preset
   User Color
   Loop
```

```
----- Color Preset ----
   Off
 ▶ Red         0 - 100
   Amber       0 - 100
   Yel Warm    0 - 100
   Yellow      0 - 100
   Green       0 - 100
   Turquoise   0 - 100
   Cyan        0 - 100
   Blue        0 - 100
   Lavender    0 - 100
```

```
----- Color Preset ----
   Mauve       0 - 100
   Magenta     0 - 100
   Pink        0 - 100
   Warm White  0 - 100
   White       0 - 100
   Cold White  0 - 100
   Jump        0 - 100
   Fade        0 - 100
   Speed       0 - 100
```

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USER COLOR STAND-ALONE OPERATING MODE

The four user presets available in the stand-alone operating mode User Color can be edited individually. Starting from the main display, press MENU to access the main menu. Using ▲ and ▼, now select the menu item **Stand Alone**, confirm with ENTER, then select **User Color**, and confirm once again. Select the desired preset (Color 1- Color 4) and confirm the selection. Now select the menu item you want to edit, confirm the selection, set the desired value, and confirm the entry.

```
-------- Menu --------        ----- Stand Alone -----        ----- User Color -----        ------- Color x ----------
  DMX Address                    Auto                        ▶Color 1                      ▶Dimmer      0 - 255
  DMX Mode                       Static                         │                           Strobe       0 - 255
  DMX Delay                      Color Preset                 Color 4                       Red          0 - 255
▶ Stand Alone                  ▶ User Color                                                 Green        0 - 255
  Slave                          Loop                                                       Blue         0 - 255
  Settings                                                                                  White        0 - 255
  System Info
```

LOOP STAND-ALONE OPERATING MODE

Brightness, step duration, and fade time can be set separately for all four loops. Starting from the main display, press MENU to access the main menu. Using ▲ and ▼, select the menu item **Stand Alone**, confirm with ENTER, then select **Loop**, and confirm once again. Now select the desired loop for playback and editing and confirm the selection.

```
-------- Menu --------        ----- Stand Alone -----        ----- Loop Mode -----         --------- Loop x --------
  DMX Address                    Auto                        ▶Loop 1                       ▶Dimmer       0 - 100
  DMX Mode                       Static                         │                           Steptime 0.1s-10.0s
  DMX Delay                      Color Preset                 Loop 4                        Fadetime 0%-100%
▶ Stand Alone                    User Color                                                 Delay      0.0s - 2.0s
  Slave                        ▶ Loop                                                       1.Step          Red...
  Settings                                                                                  2.Step          Red...
  System Info                                                                               3.Step          Red...
                                                                                            4.Step          Red...
```

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

LOOP STAND-ALONE OPERATING MODE (Loop 1–Loop 4)		
Dimmer	Sets the brightness	0 - 100
Steptime	Sets the step time	0.1s - 10.0s
Fadetime	Sets the fade time	0% - 100%
Delay	Delay time for slave groups	0.0s - 2.0s
1.Step	Select color preset or blackout for step 1	Red - CW / User 1 - 4 / Blackout
2.Step	Select color preset or blackout for step 2	Red - CW / User 1 - 4 / Blackout
3.Step	Select color preset or blackout or skip step (——) for step 3	Red - CW / User 1 - 4 / Blackout / ——

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| 4.Step | Select color preset or blackout or skip step (——) for step 4 | Red - CW / User 1 - 4 / Blackout / —— |

SLAVE MODE

Standard slave mode: Starting from the main display, press MENU to enter the main menu. Using the ▲ or ▼ buttons, now select the **Slave** menu item, confirm with ENTER, then select slave group 0, and confirm again. Connect the slave and the master units (same model, same software version) using a DMX cable and activate one of the stand-alone operating modes on the master unit. The slave unit will now follow the master unit.

```
-------- Menu --------        ------Slave Group -----
  DMX Address                   DMX Del
  DMX Mode                      St      0
  DMX Delay                   ▶ Slave
  Stand Alone
▶ Slave
  Settings
  System Info
```

```
        Mode
        Slave
```
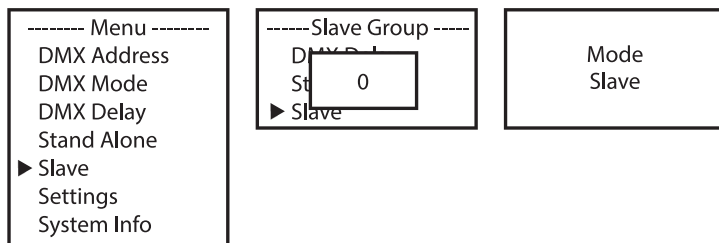
Extended slave mode: If you want to control the slave units in master/slave mode using one of the stand-alone operating modes **Auto**, **Pattern**, or **Loop**, the control signal can be played back with a time delay of up to six steps. The delay time is set in the menu of the master unit's corresponding stand-alone operating mode; the delay factor in the slave menu of the corresponding fixture (slave 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.

```
-------- Menu --------        ------Slave Group -----
  DMX Address                   DMX Del
  DMX Mode                      St    1 - 15
  DMX Delay                   ▶ Slave
  Stand Alone
▶ Slave
  Settings
  System Info
```

```
        Mode
        Slave
Gr 1            0.5s
```
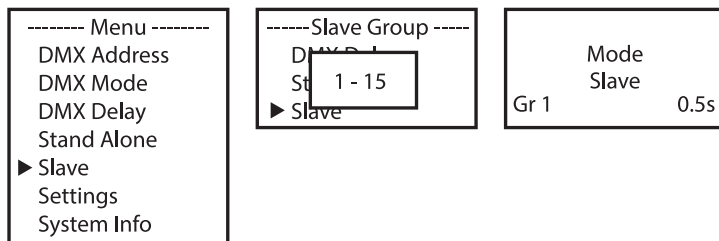
Assign the lights to one of up to 15 groups (plus Group 0) according to preference, whereby several lights can be assigned to one group. The group number is also the factor by which the delay time set in the master unit is multiplied.

Set-up example:

| Master Unit Delay 0.5s | Slave Group 0 0s Delay | Slave Group 1 0.5s Delay | Slave Group 2 1s Delay | Slave Group 3 1.5s Delay |

```
  Mode         Slave        Slave        Slave        Slave
  Loop        Group 0      Group 1      Group 2      Group 3
```

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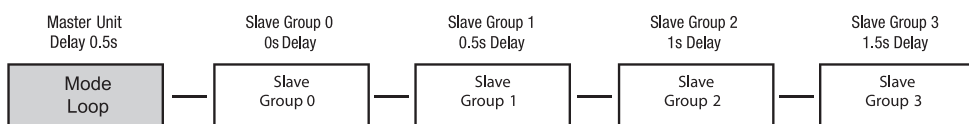
SYSTEM SETTINGS (Settings)

Starting from the main display, press MENU to enter the main menu. Using the ▲ or ▼ buttons, now select the menu item **Settings** and confirm with ENTER.

```
-------- Menu --------
   DMX Address
   DMX Mode
   DMX Delay
   Stand Alone
   Slave
 ▶ Settings
   System Info
```

```
-------- Settings --------
 ▶ Disp Rev
   Disp Back
         |
   Edit Preset
   Service
```

This takes you to the sub-menu to set sub-menu items (see table, select with ▲ or ▼ , confirm with ENTER, change value or status with ▲ or ▼ , and confirm with ENTER).

Settings			
Disp Rev	Display rotation	No	No display rotation
		Yes	Display is rotated by 180° (for example, for overhead installation)
Disp Back	Switching off the display lighting	Off	Deactivation of the display lighting after approximately 30 seconds of inactivity
		On	Display lighting permanently on
Sig Fail	Operational status on control signal interruption	Hold	Last command is retained
		Black	Instant blackout
		User 1	User Color 1 is activated
Sound	Control via sound	Last	The last value is retained until the next impulse
		Off	Pulse activates LEDs; blacks out after a short time until the next pulse
PWM	LED PWM frequency	650Hz	Selection of the LED PWM frequency
		1530Hz	
		2150Hz	
		4000Hz	
Calibration	Colour calibration	Red	Individual colour calibration. Cross-mode brightness setting with values from 0–255
		Green	
		Blue	
		White	
IR Remote	Control via IR remote control	Off	Control via IR remote control deactivated
		On	Control via IR remote control activated

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Reset	Reset the device	Factory	Reset to factory settings
		Preset A	Reset to Preset A
		Preset B	Reset to Preset B
		Preset C	Reset to Preset C
Edit Preset	Store all system settings in three custom presets	Preset A	Store with ENTER
		Preset B	Store with ENTER
		Preset C	Store with ENTER
Service	For service purposes only	Password	

SYSTEM INFORMATION (System Info)

Starting from the main display, press MENU to enter the main menu. Using the ⏶ or ⏷ buttons, now select the menu item **System Info** and confirm with ENTER.

```
-------- Menu --------
   DMX Address
   DMX Mode
   DMX Delay
   Stand Alone
   Slave
   Settings
 ▶ System Info
```

```
----- System Info ------
 ▶ Firmware
   Temperature
   Op Hours
```

This takes you to the sub-menu to set sub-menu items (see table, select with ⏶ or ⏷ , confirm with ENTER, change value or status with ⏶ or ⏷ , and confirm with ENTER).

System Info			
Firmware	Device's firmware version	Vx.xx	
Temperature	Temperature of the LED unit in degrees Celsius or degrees Fahrenheit	LED	xx°C/°F
		Unit	°C
			°F
Op Hours	Displays operating time in hours and minutes	xx:xxh	

IR REMOTE CONTROL (OPTIONALLY AVAILABLE; PRODUCT NUMBER CLPFLAT1REMOTE)

Aim the infrared remote control directly at the infrared sensor on the front of the light. The maximum range is approximately 8 metres. In DMX and slave operating modes, the fixture's IR sensor is deactivated. The infrared remote control directly controls the internal stand-alone operating modes. Activate operation via IR remote control in the system settings (Settings -> IR Remote -> On) and start one of the stand-alone operating modes.

BL/ON/OFF (Blackout)

Press the BL button to switch off all LEDs (blackout), regardless of the operating mode enabled via remote control. Press the BL button again to reactivate the previously selected operating mode.

SP (Speed)

Six-stage speed setting for the lighting sequence in stand-alone operating modes Color Jumping (Ju), Color Fading, and Auto (Au). Level 1 makes the lighting sequence run slowly. Press the button again to activate level 2 for a faster colour-change sequence, and repeat for levels 3, 4, 5, and 6, whereby level 6 provides the fastest lighting sequence speed.

☼ (Brightness)

Sets the overall brightness in six levels. The different brightness levels can be accessed by repeatedly pressing this button (level 1 = blackout).

FL (Flash/Stroboscope)

Six-level speed setting for the strobe effect. Level 1 deactivates the strobe effect, level 2 produces a slow flash frequency, followed by levels 3 to 5. Level 6 generates the fastest flash frequency. The strobe effect can only be used in the colour blending mode RGBW.

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R, G, B, and W (A, UV, CW, and WW without function)

These four buttons can be used to create individual colours by mixing R, G, B, and W. The six brightness levels can be accessed by repeatedly pressing the respective colour button, whereby the LEDs are switched off at Level 1.

Ju (colour change)

Colour changes jump (Color Jumping). The speed at which the colours change is set with the SP button (Speed).

Fa (colour fading)

Colours fade into each other (Color Fading). The speed at which the colours change is set with the SP button (Speed).

Au (Auto operating mode)

Select the desired colour change programme Auto 1–6 by repeatedly pressing the Au button. Use the Speed button to control the speed of the lighting sequence.

Su (music-controlled lighting sequence)

Six different sound presets can be accessed by repeatedly pressing the SU button (sound 1 to 6). The pre-selected color presets change with the bass pulses. The microphone used for this is found on the inside of the fixture.

CM

Press CM+ or CM- to start the Color Presets stand-alone operating mode. The various color pre-sets are accessed by repeatedly pressing one of the two buttons.

Pr+/Pr-

Select the programme in Auto Mode (Au) and for Music-control (Su).

SET-UP AND INSTALLATION

DANGER: Installation, especially overhead installation, requires extensive experience, relevant and up-to-date expertise and competence, including the calculation of working load limits, of 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 its four rubber feet on the mounting and stand bracket, the light can be positioned in a suitable location on a level surface.

1. Two handle screws for adjusting the beam direction.
2. Mounting hole for attaching a truss clamp (truss clamp optionally available).
3. Quick-release fastener holes for attaching an Omega bracket (suitable Omega bracket optionally available; product no. CLOMEGABRACKET1).
4. When mounting the fixture on a truss, secure it with a suitable safety cable to one of the safety rings provided.

To achieve a more discreet appearance when used as an uplight, the mounting or stand bracket can be removed by loosening the two handle screws on the left and right and removing the bracket from the light. The light has four rubber feet on the back of the housing.

5. Use the tilt screw to adjust the beam direction.

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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 (for example, 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, for example, 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 personnel. If in doubt, consult a specialist workshop.

PLEASE NOTE! Improperly performed maintenance work may affect warranty claims.

PLEASE NOTE! For conversion or retrofit sets provided by the manufacturer, it is essential to observe the enclosed installation instructions.

OPTIONAL ACCESSORIES

CLPFLAT1REMOTE	CLOMEGABRACKET1
Infrared remote control	Omega bracket

TECHNICAL DATA

Item number	CLROOTPARIP
Product cathegory	Static Outdoor LED PAR
Type	LED PAR
Light source	8 W RGBW
LED-QTY	7
Luminous flux	3000 lm
Lense / optic	Plastic lenses
LED PWM	650 Hz; 1530 Hz; 2150 Hz; 4000 Hz
Dimmer resolution	8/16 bit
Dimmer curves	Linear, exponential, S-curve, logarithmic
Strobe	0 Hz - 20 Hz
Calibration	User RGBW
CRI	68
Beamangle / fieldangle	29° / 33°

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Colour mixing	RGBW
Colour control	RGBW, IR-remote control, Static, Chase, Color Presets, Pattern, Sound, DMX-Delay (EZ-Chase)
Control protocols	DMX; Stand Alone; Master-Slave
Data connections	3-Pin XLR in/out
DMX modes	2CH, 4CH-1, 4CH-2, 5CH, 6CH, 9CH, D3CH, D5CH, D6CH-1, D6CH-2, D7CH, D10CH
DMX functions	Dimmer, Dimmer fine, strobe, chase, RGBW, Colour Presets, Sound, DMX-Delay (EZ-Chase)
Stand Alone	Auto, Static RGBW, Color Presets, User color, Loop, Master/Slave, EZ-chase, IR Control
System settings	Display Reverse, Display Backlight, Signal Fail, Sound, PWM, calibration, IR-remote, Reset (Factory, Preset A-C), Edit Preset (A-C), Service
User interface	Display with 4 Buttons (Menu, Enter, Up, Down)
Display / indicators	2 row O-LED display
IP-Rating	IP65
Ambient temparature rating	-15°C - 40°C
Humidity rating	100%
Cooling system	Passive convection, fanless
Noise level	Noise free (fanless)
Operation voltage	100 - 240 V; 50/60 Hz
Max. load of outlet	14 A
Max. power consumption	65 W
Fuse	F3 AL / 250 V
Power connection	Seetronic TR1 In + Out
Risk group	RG0 (exempt group)
Minimum distance to illuminated surface	0.5 m
Minimum distance to normal flamable materials	0.5 m
Housing	Die cast aluminium, black powder coated
Dimensions (HxWxD)	272 mm x 242 mm x 166 mm
Weight	4 kg
Accessiores included	Power cable
Accessiores optional	CLOMEGABRACKET1, CLPFLAT1REMOTE

EXPLANATORY NOTES ON THE IP PROTECTION CLASS

1. An IP protection class only reflects protection against solid objects and water. It does not describe general weather resistance, such as protection from UV radiation and temperature.

2. The first identification digit indicates protection against dust, solid objects, and contact:

IP2X	Protected against solid foreign objects ≥ 12.5 mm in diameter
IP3X	Protected against solid foreign objects ≥ 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 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 submersion

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

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

MINIMUM DISTANCE TO ILLUMINATED SURFACE
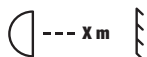
This symbol with the distance stated in metres (m) indicates the minimum distance of the light fixture to the illuminated surface. The value valid for this device can be found in the technical data in this manual and is printed on the device!

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. The value valid for this device can be found in the technical data in this manual!

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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. Waste equipment does not belong in household waste. Waste equipment must be disposed of via an authorised waste disposal company or a municipal waste 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

Email: info@adamhall.com / +49 (0)6081 / 9419-0

Our current warranty conditions and limitation of liability are available 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

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2CH	4CH-1					
Channel	**Channel**	**Function**	**Values**			
1	1	Dimmer	000	-	255	0% to 100%
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
2	3	Colour Presets	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function

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	4	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensivity low to high

4CH-2

Channel	Function	Values				
1	Red	000	-	255	0% to 100%	
2	Green	000	-	255	0% to 100%	
3	Blue	000	-	255	0% to 100%	
4	White	000	-	255	0% to 100%	

5CH

Channel	Function	Values				
1	Dimmer	000	-	255	0% to 100%	
2	Strobe	000	-	005	Open	
		006	-	255	Strobe slow to fast (<1Hz to 20Hz)	
3	Chase (Chase between Colour Preset 1 and Colour Preset 2)	000	-	005	No function	
		006	-	026	Jump 10s to 4s	
		027	-	127	Jump 4s to 0.1s	
		128	-	148	Fade 10s to 4s	
		149	-	255	Fade 4s to 0.1s	
4	Colour Presets 1	000	-	005	No function	
		006	-	013	Red	
		014	-	021	Amber	
		022	-	029	Yellow warm	
		030	-	037	Yellow	
		038	-	045	Green	
		046	-	053	Turquoise	
		054	-	061	Cyan	
		062	-	069	Blue	
		070	-	077	Lavender	
		078	-	085	Mauve	
		086	-	093	Magenta	
		094	-	101	Pink	
		102	-	109	Warm White	
		110	-	117	White	
		118	-	125	Cold White	
		126	-	127	Colour Jumping/Fading Stop	
		128	-	164	Colour Jumping slow to fast	
		165	-	201	Colour Fading slow to fast	
		202	-	207	User Colour 1	
		208	-	213	User Colour 2	

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		214	-	219	User Colour 3
4	Colour Presets 1	220	-	225	User Colour 4
		226	-	255	No function
		000	-	005	No function
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
5	Colour Presets 2	086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Colour Jumping/Fading Stop
		128	-	164	Colour Jumping slow to fast
		165	-	201	Colour Fading slow to fast
		202	-	207	User Colour 1
		208	-	213	User Colour 2
		214	-	219	User Colour 3
		220	-	225	User Colour 4
		226	-	255	No function

6CH Channel	9CH Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	2	Dimmer fine	000	-	255	
2		Strobe	000	-	005	Open
			006	-	255	Strobe slow to fast (<1Hz to 20Hz)
	3	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

	3	Strobe Functions	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	4	Red	000	-	255	0% to 100%
4	5	Green	000	-	255	0% to 100%
5	6	Blue	000	-	255	0% to 100%
6	7	White	000	-	255	0% to 100%
	8	Colour Presets (override Colour Mixing)	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function
	9	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensivity low to high

D3CH Channel	D5CH Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	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

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DMX

			034	-	045	Ramp up slow to fast
			046	-	056	Ramp up random slow to fast
			057	-	068	Ramp down slow to fast
	2	Strobe Functions	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
			000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
2	3	Colour Presets	094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function
	4	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	005	No function
			006	-	255	Sound Control On, mic sensivity low to high
3	5	DMX Delay	000	-	005	Off (no Delay)
			006	-	255	0,1s to 2,0s

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D6CH-1

Channel	Function	Values			
1	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
2	Red	000	-	255	0% to 100%
3	Green	000	-	255	0% to 100%
4	Blue	000	-	255	0% to 100%
5	White	000	-	255	0% to 100%
6	DMX Delay	000	-	005	Off (no Delay)
		006	-	255	0,1s to 2,0s

D6CH-2

Channel	Function	Values			
1	Dimmer	000	-	255	0% to 100%
2	Strobe	000	-	005	Open
		006	-	255	Strobe slow to fast (<1Hz to 20Hz)
3	Chase (Chase between Colour Preset 1 and Colour Preset 2)	000	-	005	No function
		006	-	026	Jump 10s to 4s
		027	-	127	Jump 4s to 0.1s
		128	-	148	Fade 10s to 4s
		149	-	255	Fade 4s to 0.1s
4	Colour Presets 1	000	-	005	No function
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta

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4	Colour Presets 1	094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Colour Jumping/Fading Stop
		128	-	164	Colour Jumping slow to fast
		165	-	201	Colour Fading slow to fast
		202	-	207	User Colour 1
		208	-	213	User Colour 2
		214	-	219	User Colour 3
		220	-	225	User Colour 4
		226	-	255	No function
5	Colour Presets 2	000	-	005	No function
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Colour Jumping/Fading Stop
		128	-	164	Colour Jumping slow to fast
		165	-	201	Colour Fading slow to fast
		202	-	207	User Colour 1
		208	-	213	User Colour 2
		214	-	219	User Colour 3
		220	-	225	User Colour 4
		226	-	255	No function
6	DMX Delay	000	-	005	Off (no Delay)
		006	-	255	0,1s to 2,0s

D7CH Channel	D10CH Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
	2	Dimmer fine	000	-	255	

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2		Strobe	000	-	005	Open
			006	-	255	Strobe slow to fast (<1Hz to 20Hz)
	3	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	4	Red	000	-	255	0% to 100%
4	5	Green	000	-	255	0% to 100%
5	6	Blue	000	-	255	0% to 100%
6	7	White	000	-	255	0% to 100%
	8	Colour Presets (override Colour Mixing)	000	-	005	No function
			006	-	013	Red
			014	-	021	Amber
			022	-	029	Yellow warm
			030	-	037	Yellow
			038	-	045	Green
			046	-	053	Turquoise
			054	-	061	Cyan
			062	-	069	Blue
			070	-	077	Lavender
			078	-	085	Mauve
			086	-	093	Magenta
			094	-	101	Pink
			102	-	109	Warm White
			110	-	117	White
			118	-	125	Cold White
			126	-	127	Colour Jumping/Fading Stop
			128	-	164	Colour Jumping slow to fast
			165	-	201	Colour Fading slow to fast
			202	-	207	User Colour 1
			208	-	213	User Colour 2
			214	-	219	User Colour 3
			220	-	225	User Colour 4
			226	-	255	No function

	9	Sound (triggers Strobe, Colour Jumping & Fading)	000	-	255	No function
			006	-	255	Sound Control On, mic sensivity low to high
7	10	DMX Delay	000	-	005	Off (no Delay)
			006	-	255	0,1s to 2,0s

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