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

cameo
colours of light

Featuring

WIRELESS SOLUTION
MADE IN SWEDEN

CREE
LEDs

512 DMX

W-DMX™

IP65

WIRELESS
MASTER/SLAVE

STAND ALONE MODE

iDMX® APP
CONTROL

GREEN SOLUTION

SNAPMAG®
TECHNOLOGY

MULTIPLE
ANGLES

RDM

DAYLIGHT

LED
TECHNOLOGY

ZENIT® W600 D
LED OUTDOOR WASHLIGHT
CLZW600-D

CONTENTS / INHALTSVERZEICHNIS / CONTENU / CONTENIDO / TREŚĆ / CONTENUTO

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

ENGLISH

YOU'VE MADE THE RIGHT CHOICE!
We have designed this product to operate reliably over many years. Please read this User's Manual carefully, so that you can begin making optimum use of your Cameo Light product quickly. Learn more about Cameo Light on our website WWW.**CAMEOLIGHT**.COM.

PREVENTIVE MEASURES
1. Please read these instructions carefully.
2. Keep all information and instructions in a safe place.
3. Follow the instructions.
4. Observe all safety warnings. Never remove safety warnings or other information from the equipment.
5. Use the equipment only in the intended manner and for the intended purpose.
6. Use only sufficiently stable and compatible stands and/or mounts (for fixed installations). Make certain that wall mounts are properly installed and secured. Make certain that the equipment is installed securely and cannot fall down.
7. During installation, observ e the applicable safety regulations for your country.
8. Never install and operate the equipment near radiators, heat registers, ovens or other sources of heat. Make certain that the equipment is always installed so that is cooled sufficiently and cannot overheat.
9. Never place sources of ignition, e.g., burning candles, on the equipment.
10. Ventilation slits must not be blocked.
11. Keep a minimum distance of 20 cm around and above the device.
12. Do not use this equipment in the immediate vicinity of water (does not apply to special outdoor equipment - in this case, observe the special instructions noted below. Do not expose this equipment to flammable materials, fluids or gases. Avoid direct sunlight!
13. Make certain that dripping or splashed water cannot enter the equipment. Do not place containers filled with liquids, such as vases or drinking vessels, on the equipment.
14. Make certain that objects cannot fall into the device.
15. Use this equipment only with the accessories recommended and intended by the manufacturer.
16. Do not open or modify this equipment.
17. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
18. During transport, make certain that the equipment cannot fall down and possibly cause property damage and personal injuries.
19. If your equipment is no longer functioning properly, if fluids or objects have gotten inside the equipment or if it has been damaged in anot her way, switch it off immediately and unplug it from the mains outlet (if it is a powered device). This equipment may only be repaired by authorized, qualified personnel.
20. Clean the equipment using a dry cloth.
21. Comply with all applicable disposal laws in your country. During disposal of packaging, please separate plastic and paper/cardboard.
22. Plastic bags must be kept out of reach of children.
23. Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user´s authority to operate the equipment.

FOR EQUIPMENT THAT CONNECTS TO THE POWER MAINS:
24. CAUTION: If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
25. If the equipment has been exposed to strong fluctuations in temperature (for example, after transport), do not switch it on immediately. Moisture and condensation could damage the equipment. Do not switch on the equipment until it has reached room temperature.
26. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment. If the equipment has a voltage selection switch, connect the equipment to the power outlet only if the equipment values and the mains power values match. If the included power cord or power adapter does not fit in your wall outlet, contact your electrician.
27. Do not step on the power cord. Make certain that the power cable does not become kinked, especially at the mains outlet and/or power adapter and the equipment connector.
28. When connecting the equipment, make certain that the power cord or power adapter is always freely accessible. Always disconnect the equipment from the power supply if the equipment is not in use or if you want to clean the equipment. Always unplug the power cord and power adapter from the power outlet at the plug or adapter and not by pulling on the cord. Never touch the power cord and power adapter with wet hands.
29. Whenever possible, avoid switching the equipment on and off in quick succession because otherwise this can shorten the useful life of the equipment.
30. IMPORTANT INFORMATION: Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service centre.
31. To disconnect the equipment from the power mains completely, unplug the power cord or power adapter from the power outlet.
32. If your device is equipped with a Volex power connector, the mating Volex equipment connector must be unlocked before it can be re-moved. However, this also means that the equipment can slide and fall down if the power cable is pulled, which can lead to personal injuries and/or damage. For this reason, always be careful when laying cables.
33. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.
34. The device must only be installed in a voltage-free condition (disconnect the mains plug from the mains).
35. Dust and other debris inside the unit may cause damage. The unit should be regularly serviced or cleaned (no guarantee) depending on ambient conditions (dust etc., nicotine, fog) by qualified personnel to prevent overheating and malfunction.
36. Please keep a distance of at least 0.5 m to any combustible materials.
37. Power cables to power multiple devices must have a cross-section of at least 1.5 mm². Within the EU, the cables must correspond to H05VV-F, or similar. Suitable cables are offered by Adam Hall. With these cables, you can connect multiple devices via the power OUT connection

3

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

to the power IN connection of an additional device. Make sure that the total current consumption of all connected devices does not exceed the specified value on all connected devices (label on the device). Make sure to keep power cable connections as short as possible.

CAUTION:
To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.

The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.

The warning triangle with exclamation mark indicates important operating and maintenance instructions.

Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.

Warning! This device is designed for use below 2000 metres in altitude.

Warning! This product is not intended for use in tropical climates.

Caution! Intense LED light source! Risk of eye damage. Do not look into the light source.

CAUTION! IMPORTANT INFORMATION ABOUT LIGHTING PRODUCTS!
1. The product has been developed for professional use in the field of event technology and is not suitable as household lighting.
2. Do not stare, even temporarily, directly into the light beam.
3. Do not look at the beam directly with optical instruments such as magnifiers.
4. Stroboscope effects may cause epileptic seizures in sensitive people! People with epilepsy should definitely avoid places where strobes are used.

INTRODUCTION

ZENIT W600 D OUTDOOR LED WASHLIGHT

CLZW600-D

CONTROL FUNCTIONS:

1-channel, 2-channel, 3-channel, 4-channel, 6-channel DMX control

Master / slave mode

Standalone operation

W-DMX™

FEATURES:

DMX-512. 40 x 18 W high-power CREE daylight LEDs. W-DMX™. Stroboscope. 16-bit dimmer. 4 dimmer curves. LED PWM frequency can be set. Fast access feature. IP65-class protection. 5-pin DMX connections. Plastic feet. 2x Omega mounting brackets included. Operating voltage
100–240 V AC. Power consumption 565W. 25°, 45°, 60° x 10°, 100° diffusers and flap optionally available.

The spotlight features the RDM standard (Remote Device Management). Remote device management allows the user to view status and configuration of RDM terminals via an RDM-capable controller.

CONNECTIONS, OPERATING AND DISPLAY ELEMENTS

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX
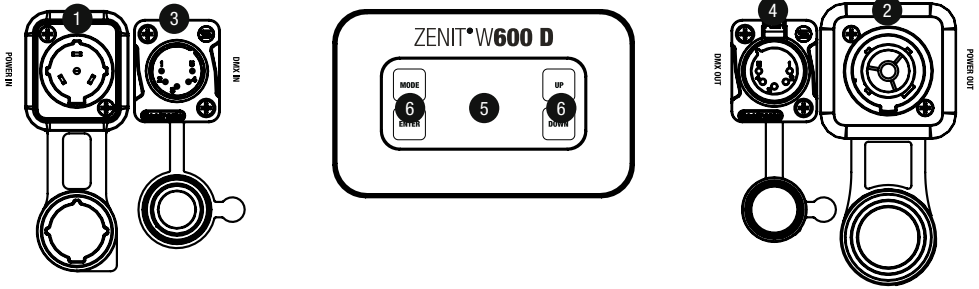
1 POWER IN

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

2 POWER OUT

IP65 power output socket with rubber sealing cap. Facilitates power supply to other CAMEO spotlights. 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 with 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 with the rubber sealing cap).

4 DMX OUT

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

5 OLED DISPLAY

Displays the current operating mode and other system settings.

6 TOUCH-SENSITIVE CONTROLS

MODE

Press MODE to access the system settings selection menu. Press repeatedly to return to the main display.

ENTER

Press ENTER to access the menu levels to make value changes, and to access the sub-menus. Confirm changes by pressing ENTER.

UP and **DOWN**

Select individual menu items in the selection menu (DMX address, operating mode etc.) and in the sub-menus. Allow changes to be made to a menu item setting such as the DMX address as required.

PRESSURE EQUALISATION ELEMENT

The pressure equalisation element to prevent condensation inside the housing is in the device base, behind the cable feed for the LED unit. In order to ensure its proper function, the element must be protected from contamination.

HOUSING FAN

The 3 housing fans and the heat sink are on the back of the LED unit. Ensure air circulation by not covering the device, and cleaning it regularly.

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

PLEASE NOTE:

• As soon as the spotlight is correctly connected to the power supply, the following will be displayed in succession: "Welcome to Cameo", the model name and the software version. After this process, the lamp is ready for operation and starts in the previously enabled mode.

• If one of the DMX operating modes is activated and there is no DMX signal to the DMX input, the currently programmed DMX address is displayed and the characters on the display will begin to flash.

• After approximately 1 minute of inactivity, the display will automatically show the currently active operating mode.

• Fast Access Feature: In order to simplify the menu guide, the device has an intelligent menu structure that allows direct access to previously selected menu items and sub-menu items. 1. Press MODE and ENTER simultaneously for direct access to the last-edited sub-menu item, where you can make changes instantly as required (DMX starting address and all modes). 2 Press MODE for direct access to the last-selected and last-edited menu item. Press ENTER repeatedly to access the sub-menu items in order to change individual settings (DMX starting address and all modes).

• Before changing device settings, ensure that the control panel is dry and dust free, in order not to impair its functionality.

• The display can be rotated through 180° by pressing UP when the main display is visible.

OPERATION

MAIN DISPLAY

After the power-up process, the lamp is ready for operation and starts in the previously activated mode. The main display appears with the following information: current mode (in the example DMX mode) and W-DMX™ status.

W-DMX™ status

DMX Address

001

Current operating mode
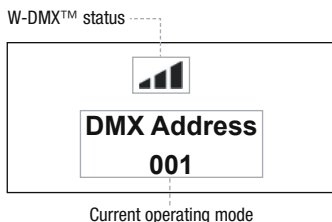
W-DMX™

1. To pair with W-DMX™-compatible transmitters, enable W-DMX™ in the device settings (Settings -> Wireless Setting -> W-DMX On Off -> On) and reset the W-DMX™ module (Receive Reset -> Yes). Start the pairing process as described in the operating instructions of the W-DMX™ transmitter. Pairing is then completed automatically.

2 Pair a group of W-DMX™ devices to create a DMX universe with them. First unpair all devices that are to make up the group (Settings -> Wireless Setting -> Receive Reset). Then select a CLZW600 with a DMX controller via DMX cable and select "Transmit" in the settings (Settings -> Wireless Setting -> Operating Mode -> Transmit). Select "Receive" in the settings of the W-DMX™ device that you want to control via W-DMX™ (Settings -> Wireless Setting -> Operating Mode -> Receive), and pair it by selecting "Link" in the settings of the DMX cable controlled CLZW600, then confirm your selection (Settings -> Wireless Setting -> Link -> Link). Pairing is then completed automatically.

3 It is also possible to create a connected group of W-DMX™ devices via W-DMX™, and operate them in master/slave mode. First unpair all devices that are to make up the group (Settings -> Wireless Setting -> Receive Reset). In the settings (Settings -> Wireless Setting -> Operating Mode) of the master unit select "Transmit", and in the settings of the slave units select "Receive". On the master unit select "Link" (Settings -> Wireless Setting -> Link -> Link) and confirm your selection by pressing ENTER. Pairing of the devices is then completed automatically. Select standalone mode in the master unit and use this to control the slave units (same model).

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

W-DMX™ STATUS

W-DMX™ deactivated	W-DMX™ activated as receiver, not paired	W-DMX™ activated as receiver and device paired, transmitter deactivated or out of range	W-DMX™ activated and device paired, no DMX signal	W-DMX™ activated as receiver and device paired, DMX signal is present	W-DMX™ and transmission mode G3 activated Upward arrow = sending Downward arrow = receiving Arrow flashing = pairing Flashing stops = paired	W-DMX™ and transmission mode G4S activated Upward arrow = sending Downward arrow = receiving Arrow flashing = pairing Flashing stops = paired

SET DMX START ADDRESS (DMX ADDRESS)

Press MODE to access the device settings selection menu (--- Menu ---). Using the UP and DOWN controls, select the menu item "DMX address" (observe arrow) and confirm with ENTER. The display will show a three-digit number field and you can use the UP and DOWN controls to configure the desired DMX start address. Confirm the entry with ENTER and press MODE to return to the main display (in the example, "DMX address 001").

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

```
001
-
5xx
```

```
        ▁▂▃
   DMX Address
       001
```

SET DMX MODE (DMX Mode)

Press MODE to access the device settings selection menu (--- Menu ---). Use UP and DOWN to select the menu item "DMX Mode" (observe arrow) and confirm with ENTER. In the sub-menu you can use UP and DOWN to choose between the DMX modes "1CH", "2CH", "3CH", "4CH" and "6CH". Confirm your selection with ENTER. DMX tables with the channel assignments can be found in these instructions under DMX CONTROL.

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

```
----------- DMX MODE -----------
➡ 6CH
   4CH
   3CH
   2CH
   1CH
```

7

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

CONFIGURING STANDALONE MODE

Press MODE to access the device settings selection menu (--- Menu ---). Use UP and DOWN to select the menu item "Stand Alone" (observe arrow) and confirm with ENTER. Now use UP and DOWN to select the menu item you wish to edit (observe arrow) and confirm with ENTER. The display will now show a three-digit number field, and you can use UP and DOWN to configure the desired value between 000 and 255. Confirm by pressing ENTER. Press MODE twice to return to the main display (Static Mode).

```
--------------- Menu ---------------
   DMX Address
   DMX Mode
➡ Stand Alone
   Slave
   Settings
   Systems Info
```

```
----------- Stand Alone -----------
➡ Dimmer       <255>
   Strobe       <255>
   Duration     <255>
```

```
 000
  -
 255
```

```
  ▂▄█
  Mode
  Static
```

SET SLAVE MODE

Press MODE to access the device settings selection menu (--- Menu ---). Use UP and DOWN to select the menu item "Slave" (observe arrow) and confirm with ENTER. Connect the slave and master units (same model) using a DMX cable and enable standalone mode on the master unit. The slave unit will now follow the master unit. If there is no control signal, the display characters will flash. Flashing stops as soon as a control signal is present.

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

```
  ▂▄█
  Mode
  Slave
```

SYSTEM SETTINGS (settings)

Press MODE to access the device settings selection menu (--- Menu ---). Using the UP and DOWN controls, select the menu item "Settings" (observe arrow) and confirm with ENTER.

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

This will take you to the sub-menu for configuring the following sub-menu items (select using UP and DOWN, confirm with ENTER):

Settings					
Wireless Setting	=	W-DMX settings (wireless DMX)	W-DMX on/off	On = W-DMX enabled	
				Off = W-DMX disabled	
			Operating Mode	Receive = W-DMX module as receiver	
				Transmit = W-DMX module as transmitter	
			Transmitting Mode	G3 = G3 transmission standard	
				G4S = G4S transmission standard	
			Link	Link = pair with W-DMX devices. W-DMX must be activated on all devices and the pairing must be picked up by a transmitter (Receive Reset).	
				Unlink = unpair all devices	
			Receive Reset	No = Do not retain transmitter pairing	
				Yes = Retain transmitter pairing	

Display Reverse	=	Flip display	On	Rotate display by 180° (e.g. for overhead installation)
			Off	No display rotation
Display Backlight	=	Display lighting	On	on permanently
			Off	Deactivation after approximately 1 minute of inactivity
DMX Fail	=	operating status when DMX signal fault occurs	Hold	Last command is retained
			Blackout	Activates blackout
			Full On	Spotlight changes to full on
			Stand Alone	Spotlight changes to standalone mode
Dimmer Curve	=	dimmer curve	Linear	Light intensity increases linearly with DMX value
			Exponential	Light intensity can be finely adjusted at lower DMX values and broadly adjusted at higher DMX values.
			Logarithmic	Light intensity can be broadly adjusted at lower DMX values and finely adjusted at higher DMX values.
			S-Curve	Light intensity can be finely adjusted at lower and higher DMX values and broadly adjusted at medium DMX values.
Dimmer Response	=	dimmer sensitivity	LED	Lamp responds abruptly to changes in DMX value
			Halogen	Lamp behaves like a halogen spotlight with soft brightness changes
Autolock	=	Automatic locking of the controls	On	Automatic locking of the controls after approximately 1 minute of inactivity. After attempted input the display shows: "Locked!" To unlock: press and hold UP and DOWN simultaneously for approx. 5 seconds
			Off	Automatic locking of the controls is disabled
LED Frequency	=	LED PWM frequency	800 Hz / 1200 Hz / 2000 Hz / 3600 Hz / 12 kHz / 25 kHz	Set the LED PWM frequency
Fan	=	adjust fan control	Auto	Automatic adjustment of the fan performance
			Max. Intensity	Maximum fan capacity for maximum brightness
			Low Noise	Extra-quiet fan with reduced brightness
Factory Reset	=	reset to factory setting	Reset Now!	Reset to factory settings: ENTER -> "Reset Now!" -> ENTER. Press MODE to stop.

Dimmer curves

linear — Light intensity / DMX value

exponential — Light intensity / DMX value

logarithmic — Light intensity / DMX value

S-curve — Light intensity / DMX value

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX
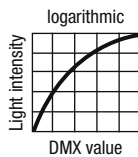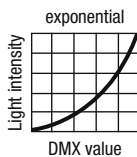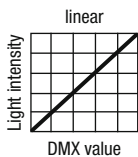
SYSTEM INFORMATION (System Info)

Press MODE to access the device settings selection menu (--- Menu ---). Using the arrow keys, select the menu item "System Info" (observe arrow) and confirm with ENTER.
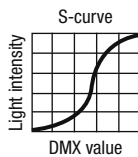
```
------------------ Menu ------------------
    DMX Address
    DMX Mode
    Stand Alone
    Slave
    Settings
  ➥ System Info
```
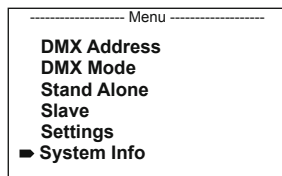
Use the UP and DOWN controls to select the desired sub-menu item, and press ENTER to display the corresponding information.

System Info				
Firmware	=	Displays device firmware	Main CPU	Vx.xx
			Led driver	Vx.xx
Temperature	=	Displays temperature of LED unit	LED	xx °C / xx °F
			Unit	°C (= display in degrees Celsius)
				°F (= display in degrees Fahrenheit)
Operation Hours	=	Displays operating time	xx:xx h	Displays total operating time in hours and minutes

MANUAL LOCKING FUNCTION

In addition to the ability to automatically protect the spotlight from accidental and unauthorised operation (see "Settings" - "Auto-lock"), the controls can also be locked manually. Press and hold the UP and DOWN controls simultaneously for approximately 5 seconds. If an attempt is made to change settings, "Locked!" will appear in the display, and changing the spotlight's settings via the controls is no longer possible. After approx. 1 minute, the current operating mode is displayed again. To unlock, press and hold the UP and DOWN controls simultaneously for approximately 5 seconds. The display will show the previously displayed information.

SET-UP AND INSTALLATION

Thanks to its integrated plastic feet, the spotlight can be positioned in a suitable location on a level surface. Mounting to a traverse is possible using an Omega bracket which is attached at the centre of the device base (A) or else by means of two Omega bracket, which are mounted at the outer attachment positions (B). Two Omega brackets are included,suitable traverse clamps are optionally available. Ensure

firm connections and secure the spotlight at the specified position (C) using a suitable safety cable.

Setting of the beam direction of the LED unit occurs independent of the device base, with the assistance of the wing nuts on the side. Important: Overhead installation requires extensive experience, including the ability to calculate the threshold limits for load capacity, a knowledge of the installation material to be used and the ability to carry out regular security checks on all installation materials and the spotlight itself.

If you do not possess the appropriate qualifications, do not attempt to carry out the installation yourself: draw on the help of a professional company.

OPTIONAL ACCESSORIES

CLZW6004B
Flap – tool-free mounting thanks to threaded locking bolts, safety
cable included

CLZW600SMLSD20
25° diffuser
Tool-free mounting thanks to SNAPMAG® technology

CLZW600SMLSD40
45° diffuser
Tool-free mounting thanks to SNAPMAG® technology

CLZW600SMLSD100
100° diffuser
Tool-free mounting thanks to SNAPMAG® technology

CLZW600SMLSD6010
60° x 10° diffuser
Tool-free mounting thanks to SNAPMAG® technology

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

11

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

DMX TECHNOLOGY

DMX-512

DMX (Digital Multiplex) is the designation for a universal transmission protocol for communications between corresponding devices and controllers. A DMX controller sends DMX data to the connected DMX device(s). The DMX data is always transmitted as a serial data stream that is forwarded from one connected device to the next via the "DMX IN" and "DMX OUT" connectors (XLR plug-type connectors) that are found on every DMX-capable device, provided the maximum number of devices does not exceed 32 units. The last device in the chain needs to be equipped with a terminator (terminating resistor).

DMX CONNECTION

DMX is the common "language" via which a very wide range of types and models of equipment from various manufacturers can be connected with one another and controlled via a central controller, provided that all of the devices and the controller are DMX compatible. For optimum data transmission, it is necessary to keep the connecting cables between the individual devices as short as possible. The order in which the devices are integrated in the DMX network has no influence on the addresses. Thus the device with the DMX address 1 can be located at any position in the (serial) DMX chain: at the beginning, at the end or somewhere in the middle. If the DMX address 1 is assigned to a device, the controller "knows" that it should send all data allocated to address 1 to this device regardless of its position in the DMX network.

SERIAL CONNECTION OF MULTIPLE LIGHTS

1. Connect the male XLR connector (3-pin or 5-pin) of the DMX cable to the DMX output (female XLR socket) of the first DMX device (e.g. DMX-Controller).
2. Connect the female 3-pin XLR connector of the DMX cable connected to the first projector to the DMX input (male 3-pin socket) of the next DMX device. In the same way, connect the DMX output of this device to the DMX input of the next device and repeat until all devices have been connected. Please note that as a rule, DMX devices are connected in series and connections cannot be shared without active splitters. The maximum number of DMX devices in a DMX chain should not exceed 32 units.

The Adam Hall 3 STAR, 4 STAR, and 5 STAR product ranges include an extensive selection of suitable cables.

DMX CABLES

When fabricating your own cables, always observe the illustrations on this page. Never connect the shielding of the cable to the ground contact of the plug, and always make certain that the shielding does not come into contact with the housing of the XLR plug. If the shielding is connected to the ground, this can lead to short-circuiting and system malfunctions.

Pin Assignment

DMX cable with 3-pin XLR connectors:
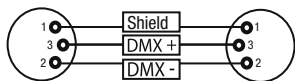
DMX cable with 5-pin XLR connectors (pin 4 and 5 are not used):
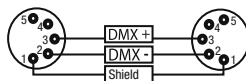
DMX TERMINATORS (TERMINATING RESISTORS)

To prevent system errors, the last device in a DMX chain needs to be equipped with a terminating resistor (120 ohm, 1/4 Watt).
3-pin XLR connector with a terminating resistor: K3DMXT3
5-pin XLR connector with a terminating resistor: K3DMXT5

Pin Assignment

3-pin XLR connector:
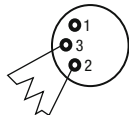
5-pin XLR connector:
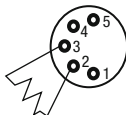
DMX ADAPTER

The combination of DMX devices with 3-pin connectors and DMX devices with 5-pin connectors in a DMX chain is possible with suitable adapters.

Pin Assignment

DMX Adapter 5-pin XLR male to 3-pin XLR female: K3DGF0020
Pins 4 and 5 are not used.

Pin Assignment

DMX Adapter 3-pin XLR male to 5-pin XLR female: K3DHM0020
Pins 4 and 5 are not used.

12

TECHNICAL DATA

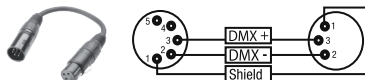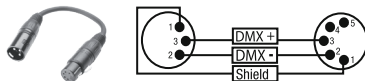| Model name:	CLZW600-D
Product Type:	LED wash light
Type:	Outdoor spotlight
Colour spectrum LED:	Daylight 5600K
No. of LEDs:	40
LED type:	18 W CREE
LED PWM frequency	800 Hz, 1200 Hz, 2000 Hz, 3600 Hz, 12 kHz, 25 kHz (adjustable)
Dispersion:	21° (42° field)
DMX input:	5-pin XLR male, IP65
DMX output:	5-pin female XLR, IP65
DMX modes:	1-channel, 2-channel, 3-channel, 4-channel, 6-channel
DMX functions:	dimmer, dimmer fine, strobe, strobe duration, dimmer curves, dimmer response, LED PWM frequency
Standalone functions:	master/slave mode, stroboscope, dimmer response, dimmer curves, display lock function, LED PWM frequency
Control:	DMX512, W-DMX™ transceiver (transmit/receive), RDM enabled
Controls:	mode, enter, up, down
Display elements:	OLED display
Operating voltage:	100 – 240 V AC / 50 – 60 Hz.
Power consumption:	565 W
Illuminance (@ 1m, without diffuser):	190,000 lx
Luminous flux (RGBW):	40,795 lm (without diffuser)
Power supply connection:	Input: special IP65 socket Output: special IP65 socket (max. 9 A)
Ambient temperature (for operation):	-15°C - +45°C
Housing material:	Metal
Housing colour:	Black
Housing cooling:	3x IP65 fans
Protection class:	IP65
Dimensions (B x H x D, not incl. Omega bracket):	463 x 161 x 291 mm.
Weight:	12.4 kg
Additional features:	1 m power cable with CEE 7/7 mains plug and special IP65 power connector included. Floor stand integrated. 2x Omega mounting brackets included. 25°, 45°, 60° x 10°, 100° diffusers and flap optionally available.

MANUFACTURER´S DECLARATIONS

MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY
You can find our current warranty conditions and limitations of liability at: https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO_DE_EN_ES_FR.pdf. To request warranty service for a product, please contact Adam Hall GmbH, Adam-Hall-Str. 1, 61267 Neu Anspach / Email: Info@adamhall.com / +49 (0)6081 / 9419-0.

CORRECT DISPOSAL OF THIS PRODUCT
(valid in the European Union and other European countries with a differentiated waste collection system)
This symbol on the product, or on its documents indicates that the device may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity. Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

FCC STATEMENT
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation

CE Compliance
Adam Hall GmbH states that this product meets the following guidelines (where applicable):
R&TTE (1999/5/EC) or RED (2014/53/EU) from June 2017
Low voltage directive (2014/35/EU)
EMV directive (2014/30/EU)
RoHS (2011/65/EU)
The complete declaration of conformity can be found at www.adamhall.com.
Furthermore, you may also direct your enquiry to info@adamhall.com.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC
Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment
generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause
harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If
this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and
on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

1-CHANNEL-MODE				
Channel	Function	Values		Description
1	Dimmer	000	-	255	Dimmer 0 - 100%

2-CHANNEL-MODE				
Channel	Function	Values		Description
1	Dimmer	000	-	255	Dimmer 0 - 100%
2	Dimmer Fine	000	-	255	Dimmer Fine 0 - 100%

3-CHANNEL-MODE				
Channel	Function	Values		Description
1	Dimmer	000	-	255	Dimmer 0 - 100%
2	Multifunctional Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse Random, slow -> fast
		034	-	056	Ramp up Random, slow -> fast
		057	-	079	Ramp down Random, slow -> fast
		080	-	102	Random Strobe Effect, slow -> fast
		103	-	127	Strobe Break Effekt, 5s…..1s (Short burst with break)
		128	-	250	Strobe slow -> fast (1Hz - 20Hz)
		251	-	255	Strobe open
3	Strobe Duration	000	-	255	Flash Duration 1% - 100% (only affects Channel 2 value 128 - 250)

4-CHANNEL-MODE				
Channel	Function	Values		Description
1	Dimmer	000	-	255	Dimmer 0 - 100%
2	Multifunctional Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse Random, slow -> fast
		034	-	056	Ramp up Random, slow -> fast
		057	-	079	Ramp down Random, slow -> fast
		080	-	102	Random Strobe Effect, slow -> fast
		103	-	127	Strobe Break Effekt, 5s…..1s (Short burst with break)
		128	-	250	Strobe slow -> fast (1Hz - 20Hz)
		251	-	255	Strobe open
3	Dimmer Curves	000	-	005	no function
		006	-	063	Linear Dimmer Curve
		064	-	127	Exponential Dimmer Curve
		128	-	191	Logarithmic Dimmer Curve
		192	-	255	S-Curve Dimmer Curve

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX

4	Device Settings	000	-	005	no function
		006	-	127	Dimmer Response LED (hold 5s)
		128	-	191	Dimmer Response Halogen (hold 5s)
		192	-	200	Fan Auto (hold 5s)
		201	-	209	Fan Max (hold 5s)
		210	-	218	Fan Silent (hold 5s)
		219	-	223	LED Frequency 800 Hz (hold 5s)
		224	-	228	LED Frequency 1200 Hz (hold 5s)
		229	-	233	LED Frequency 2000 Hz (hold 5s)
		234	-	238	LED Frequency 3600 Hz (hold 5s)
		239	-	243	LED Frequency 12 kHz (hold 5s)
		244	-	248	LED Frequency 25 kHz (hold 5s)
		249	-	255	no function

6-CHANNEL-MODE					
Channel	Function	Values			Description
1	Dimmer	000	-	255	Dimmer 0 - 100%
2	Dimmer Fine	000	-	255	Dimmer Fine 0 - 100%
3	Multifunctional Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse Random, slow -> fast
		034	-	056	Ramp up Random, slow -> fast
		057	-	079	Ramp down Random, slow -> fast
		080	-	102	Random Strobe Effect, slow -> fast
		103	-	127	Strobe Break Effekt, 5s…..1s (Short burst with break)
		128	-	250	Strobe slow -> fast (1Hz - 20Hz)
		251	-	255	Strobe open
4	Strobe Duration	000	-	255	Flash Duration 1% - 100% (only affects Channel 3 value 128 - 250)
5	Dimmer Curves	000	-	005	no function
		006	-	063	Linear Dimmer Curve
		064	-	127	Exponential Dimmer Curve
		128	-	191	Logarithmic Dimmer Curve
		192	-	255	S-Curve Dimmer Curve
6	Device Settings	000	-	005	no function
		006	-	127	Dimmer Response LED (hold 5s)
		128	-	191	Dimmer Response Halogen (hold 5s)
		192	-	200	Fan Auto (hold 5s)
		201	-	209	Fan Max (hold 5s)
		210	-	218	Fan Silent (hold 5s)
		219	-	223	LED Frequency 800 Hz (hold 5s)
		224	-	228	LED Frequency 1200 Hz (hold 5s)
		229	-	233	LED Frequency 2000 Hz (hold 5s)
		234	-	238	LED Frequency 3600 Hz (hold 5s)
		239	-	243	LED Frequency 12 kHz (hold 5s)
		244	-	248	LED Frequency 25 kHz (hold 5s)
		249	-	255	no function

REV: 02