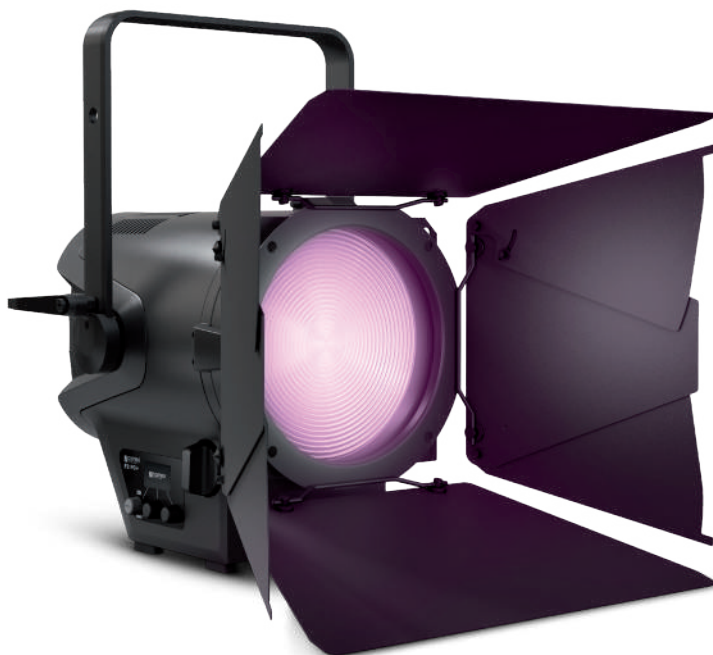


USER'S MANUAL  
BEDIENUNGSANLEITUNG  
MANUEL D'UTILISATION  
MANUAL DE USUARIO  
INSTRUKCJA OBSŁUGI  
MANUALE D' USO



# F2 FC PLUS

PROFESSIONAL HIGH-POWER FRESNEL WITH RGBAL LED  
CLF2FCPLUS

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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!

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

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

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

The product is not suitable for:

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

**DEFINITIONS AND SYMBOL EXPLANATIONS**

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



This symbol identifies hazards that can cause electric shock.



This symbol identifies hazardous areas or hazardous situations.



This symbol indicates hazards caused by hot surfaces.



This symbol indicates hazards caused by intense light sources.



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



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



This symbol indicates a device that may only be used in dry rooms.

## SAFETY INSTRUCTIONS



### **DANGER:**

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



### **WARNING:**

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

**ATTENTION:**

1. Do not operate the device if it has been exposed to large temperature fluctuations (for example, after transport). Moisture and condensation can damage the device. Switch on the device only when it has reached ambient temperature.
2. Make sure that the voltage and frequency of the mains supply correspond to the values indicated on the device. If the device has a voltage selector switch, do not connect the device until it has been set correctly. Use only suitable power cables.
3. To disconnect the device from the mains at all poles, it is not sufficient to press the on/off switch on the device.
4. Make sure that the fuse used corresponds to the type specified on the device.
5. Make sure that appropriate measures have been taken against power surges (e.g. 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 pluggable power cables only with original cables.

**DANGER:**

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

**WARNING:**

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

**CAUTION:**

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





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



#### **ATTENTION:**

1. Do not install 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. Vents must not be covered and fans must not be blocked.
4. Use the original packaging or packaging provided by the manufacturer for transport.
5. Avoid shock or impact to the device.
6. Observe the IP rating as well as the ambient conditions such as temperature and humidity according to the specification.
7. Devices can always be further improved. In the event of any discrepancies between the operating instructions and the device labelling with regard to operating conditions, performance or other device characteristics, the information on the device always takes precedence.
8. The device is not suitable for tropical climates and for operation at elevations higher than 2000 m above sea level.
9. Unless explicitly stated, the 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 INFORMATION REGARDING LIGHTING PRODUCTS!**

1. Never look directly into the beam of light, not even for a short period of time.
2. Never look into the beam of light using optical devices such as a magnifying glass.
3. Stroboscopic effects may cause epileptic seizures in susceptible individuals!
4. Permanently installed lamps are built into these lighting units. These may not be replaced by the user. The lamps contained in this lighting unit may only be replaced by the manufacturer, its service partner, or a similarly qualified person.

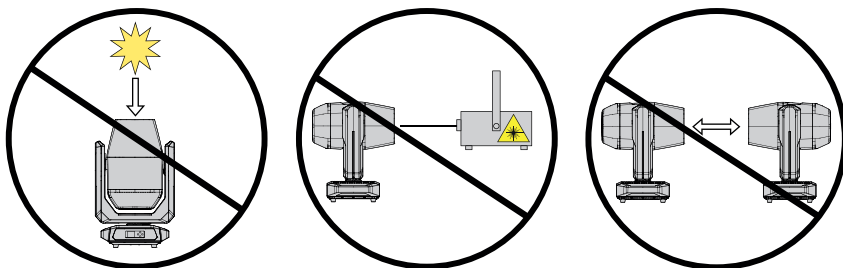




### ATTENTION! POTENTIAL DAMAGE FROM EXTERNAL LIGHT SOURCES!

Solar radiation, laser radiation and bundled light beams from other lights can damage the housing and internal components such as filters, gobo and colour wheels, motors, cables, belts, etc., as well as light sources!

Do not expose the device and especially the lens opening to direct sunlight, laser radiation and bundled light beams from other lights during installation, prolonged periods of non-use and during operation! Always point the lens opening towards the floor when the device is not in use! Damage caused by external light sources is excluded from the manufacturer's warranty!



Damage caused by external light sources is excluded from the manufacturer's warranty!



### NOTES FOR PORTABLE INDOOR DEVICES

1. Temporary operation! Event equipment is generally only designed for temporary operation.
2. Continuous operation or permanent installation can impair the functionality of the device and cause premature ageing.

### PACKAGING CONTENT

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

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

The packaging content includes:

- ▶ 1 x F2 FC PLUS Fresnel LED light
- ▶ 1 x 8-position barndoor
- ▶ 1 x Filter frame
- ▶ 1 x Power cable
- ▶ 1 x User manual

### INTRODUCTION

PROFESSIONAL FRESNEL-LIGHT WITH RGBAL LED  
CLF2FCPLUS

**CONTROL FUNCTIONS:**

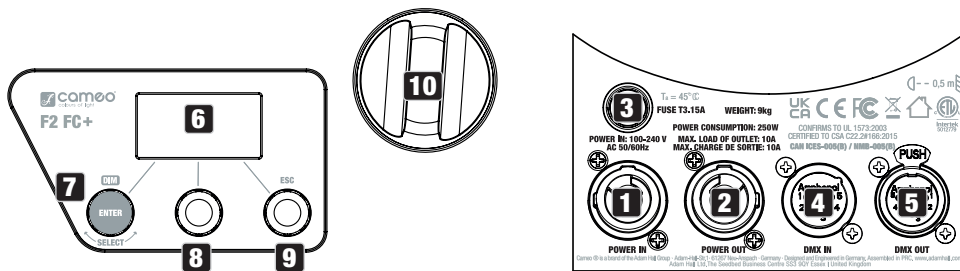
1CH Dim, 2CH Dim 16Bit, 2CH CCT, 3CH RGB cal., 5CH Direct, 4CH CCT 16Bit, 6CH HSI-CCT, 7CH RGB-CCT, 10CH Direct 16Bit, 10CH HSI-CCT, 18CH Direct CCT, 18CH Full Access DMX control  
Master/slave operation  
Stand-alone functions

**FEATURES:**

1 x High Power RGBAL LED. 18° - 53° dispersion, manual zoom. 200 mm Fresnel lens. Adjustable PWM frequency (flicker-free). DMX-512 control. RDM-enabled. Manual control. 4 dimmer curves. 16-bit dimming. Master/Slave operation. Extremely quiet operation due to combined heat pipe and fan cooling. Operating voltage 100–240 V AC/50–60 Hz. Power consumption 250 W. Mounting bracket, filter frame and 8-position barndoors included.

The light supports the RDM standard (Remote Device Management). Remote device management allows the user to monitor the status and configuration of RDM devices using an RDM-capable controller.

## CONNECTIONS, OPERATING AND DISPLAY ELEMENTS



### 1 POWER IN

Neutrik powerCON TRUE1 mains input socket. Operating voltage 100 - 240 V AC / 50 - 60 Hz.

### 2 POWER OUT

Neutrik powerCON TRUE1 power output socket for power supply to additional CAMEO lights. Ensure that the total power consumption of all connected devices does not exceed the value specified on the device in amperes (A).

### 3 FUSE

Fuse holder for 5 x 20 mm micro fuses. **IMPORTANT NOTE:** Only replace the fuse with a fuse of the same type and rating (T3, 15A/250V). In the event of repeated fuse failure, please contact an authorised service centre.

### 4 DMX IN

Male 5-pin XLR socket for connecting a DMX controller (e.g. DMX console).

### 5 DMX OUT

Female 5-pin XLR socket for forwarding the DMX control signal.

### 6 OLED DISPLAY

Displays currently active mode and the menu items in the Edit menu.

### 7 DIM / ENTER / SELECT

Rotary-push encoder for adjusting and controlling the light.

**DIM** - In the standalone modes CCT, HSI, Direct LED, Gel, User Color and Play Loop, the encoder functions as a master dimmer (turn encoder).

**ENTER** - 1. Press ENTER to access the menu for selecting the operating mode. 2. Press ENTER to move down one level in the menu structure. 3. Press ENTER to confirm a value change, such as changing the DMX address.

**SELECT** - Turn the encoder to select menu items and change the value of a menu item (e.g. DMX address).

**8** The functions assigned to the centre encoder (turn and press) is shown in the centre of the screen in the corresponding menu (centre line = turn, bottom line = press).

**9 ESC** - If the push function of the right rotary-push encoder is not explicitly stated at the bottom right of the display, press the encoder to move up one level in the menu structure.

## **10 ZOOM**

On either side of the housing is a calibration knob for manually adjusting the dispersion. The two controls are mechanically linked and are directly opposite each other on the housing. Turn the calibration knob to adjust the dispersion of the light continuously from 53° to 17°. A rack and pinion system moves the zoom tube with the Fresnel lens in and out of the housing. The further the zoom tube protrudes from the housing, the narrower the dispersion. A stop mechanism prevents the tube from becoming detached from the housing.

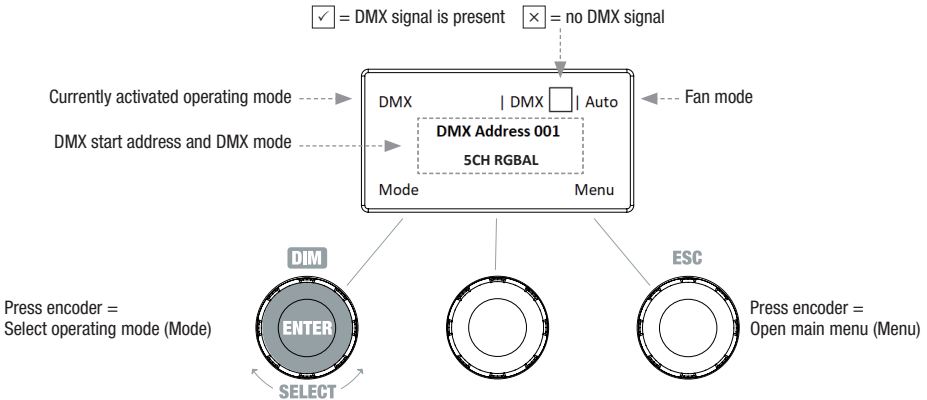
## **OPERATION**



- As soon as the light is correctly connected to the power supply, the following will be displayed in succession: "Welcome to Cameo", model name and software version. After this process, the light is operational and starts up in the previously selected mode.
- If one of the DMX modes or slave mode is enabled and no control signal is present at the DMX input, the characters in the display will start to flash.
- If no input is made for approx. 1 minute, the currently activated mode is automatically shown on the display (main screen).

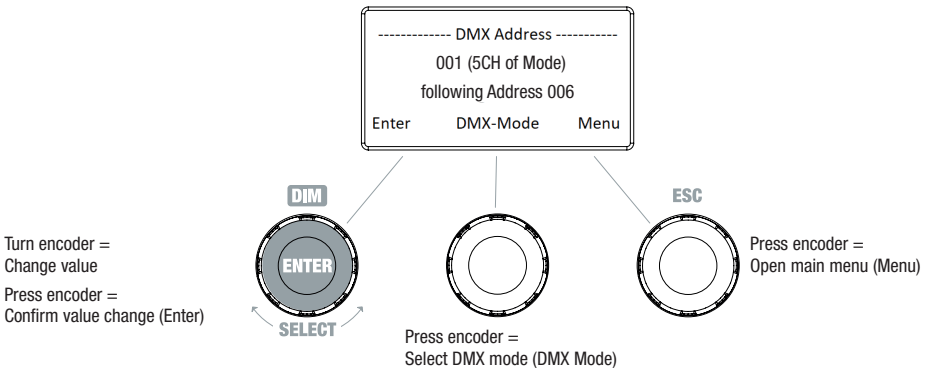
### **MAIN SCREEN: DMX MODE**

In DMX mode, the main screen shows the currently set DMX start address, the DMX mode and other information (see illustration).



### SET DMX START ADDRESS (DMX Address)

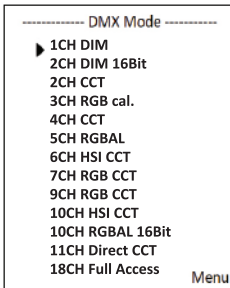
Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **DMX Address** (note the selection arrow on the left) and confirm by pressing the encoder (ENTER). You can now configure the DMX start address as required by turning the encoder (the highest value depends on the selected DMX mode). At the same time, the DMX start address following the selected start address plus the channel number of the selected DMX mode is displayed (following address). Confirm the entry by pressing the left encoder (ENTER); this will also automatically take you back to the main screen and the DMX mode will be activated. You can access the DMX mode selection menu directly from the **DMX Address** menu by pressing the centre encoder (DMX Mode); the previously set DMX start address is saved automatically.



### SET DMX MODE (DMX Mode)

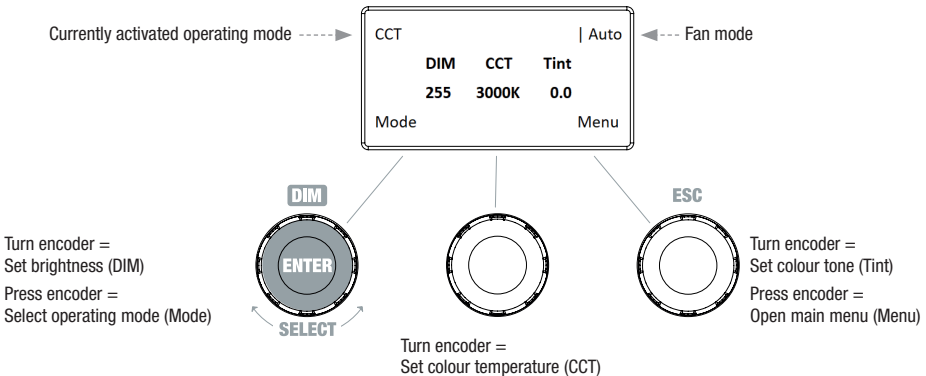
Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **DMX Mode** (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). You can now select the desired DMX mode by turning the

left encoder. Confirm the selection by pressing the left encoder (ENTER); this will also automatically take you back to the main screen and the DMX mode will be activated. Tables showing the channel assignment of the different DMX modes can be found in these instructions under DMX CONTROL.



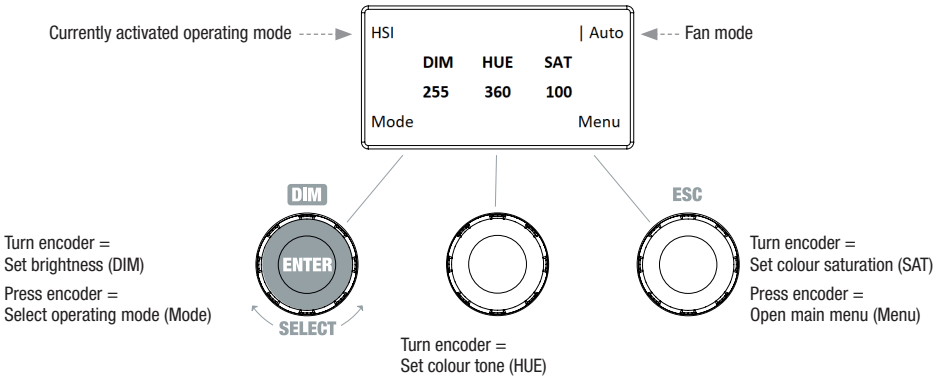
### CCT STAND-ALONE MODE (Correlated Colour Temperature)

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder (SELECT) to select **CCT** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). You can now set the brightness (DIM), colour temperature (CCT) and colour tone (Tint) using the three rotary-push encoders (see illustration).



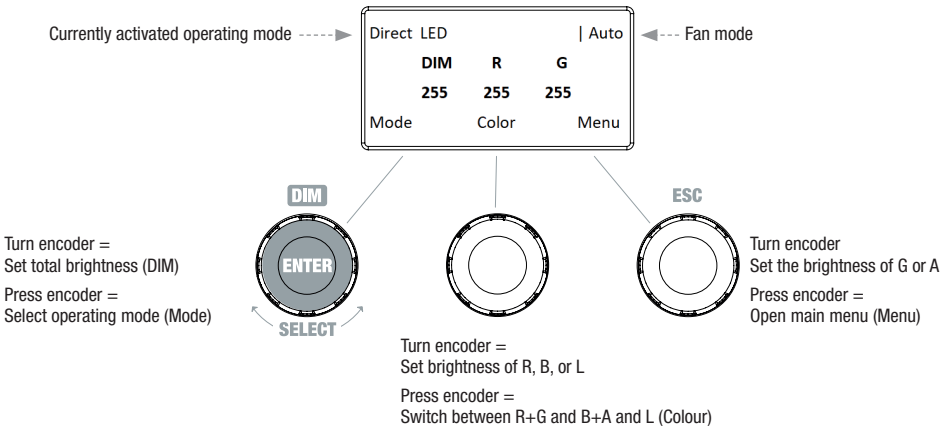
### HSI STAND-ALONE MODE (Hue - Saturation - Intensity)

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Now turn the left encoder (SELECT) to select **HSI** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). You can now set the brightness (DIM), hue (HUE) and colour saturation (SAT) using the three rotary-push encoders (see illustration).



### DIRECT LED STAND-ALONE MODE (RGBAL colour mixing)

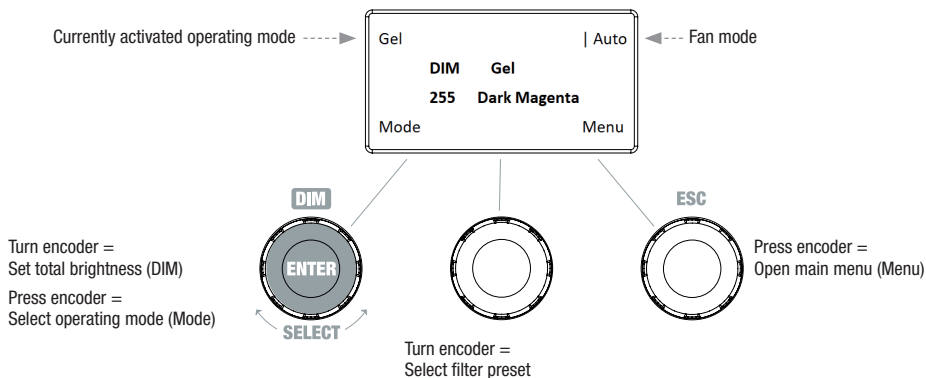
Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder (SELECT) to select **Direct LED** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). You can now set the overall brightness (DIM) and the intensity of R, G, B, A and L using the three rotary-push encoders (see illustration).



### GEL STAND-ALONE MODE (Colour filter presets)

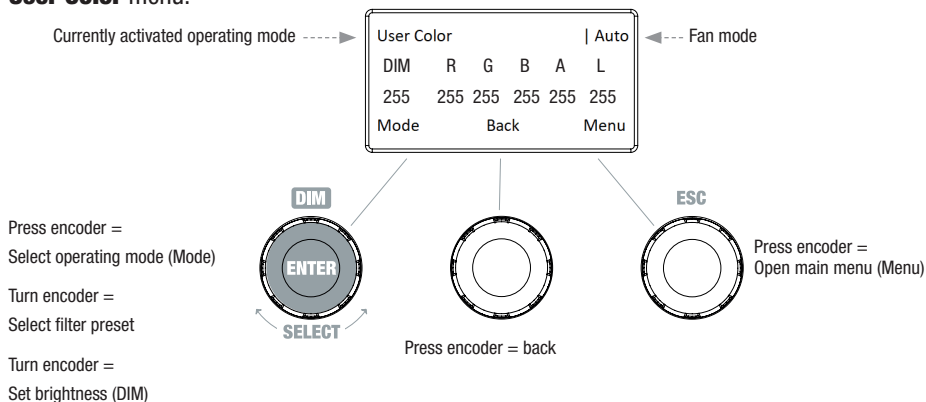
Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder (SELECT) to select **GEL** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). Now set the brightness (DIM) and colour filter preset (Gel) using the left and centre rotary-push encoders (see illustration). The colour filter presets with Lee filter designations can be found in the DMX tables under DMX CONTROL (channel 16 in 18-channel full access mode, without user colour 1 - 8).





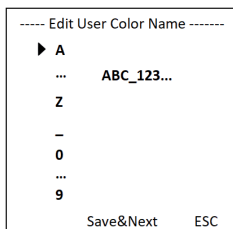
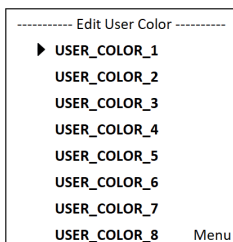
### USER COLOUR STAND-ALONE MODE (Custom colour presets 1 - 8)

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder (SELECT) to select **User Color** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). Select one of the 8 pre-programmed but customizable colour presets by turning the left encoder. Confirm your selection by pressing the left encoder (ENTER). Now set the brightness (DIM) of the colour preset using the left encoder (see illustration). You can customize the preset settings and rename presets in the **Edit User Color** menu.



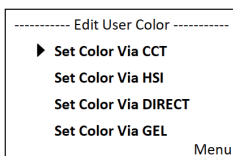
### EDIT USER COLOUR STAND-ALONE MODE (Edit User Color)

Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **Edit User Color** (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). Turn the left encoder to select one of the 8 colour presets and confirm your selection by pressing the left encoder (ENTER).

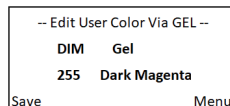
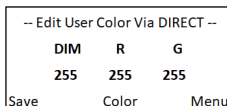
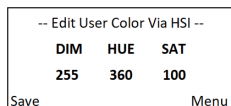
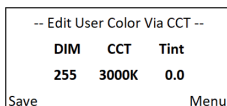


To give the preset a custom name with up to 12 characters (Edit User Color Name), turn the left encoder to select a letter, underscore or number for the first character and confirm by pressing the left encoder. Repeat this process for the second and following characters. Once the preset name is complete, press the centre encoder (Save&Next) to go to the next editing step. If you press "Save&Next" before selecting a letter, underscore or number for the first position, the previous preset name is retained and you are taken straight to the next editing step.

Now decide how you want to create the colour for the preset. Choose between the 4 methods "CCT", "HSI", "DIRECT" and "GEL" by turning the left encoder (SELECT) and confirm by pressing the left encoder (ENTER).

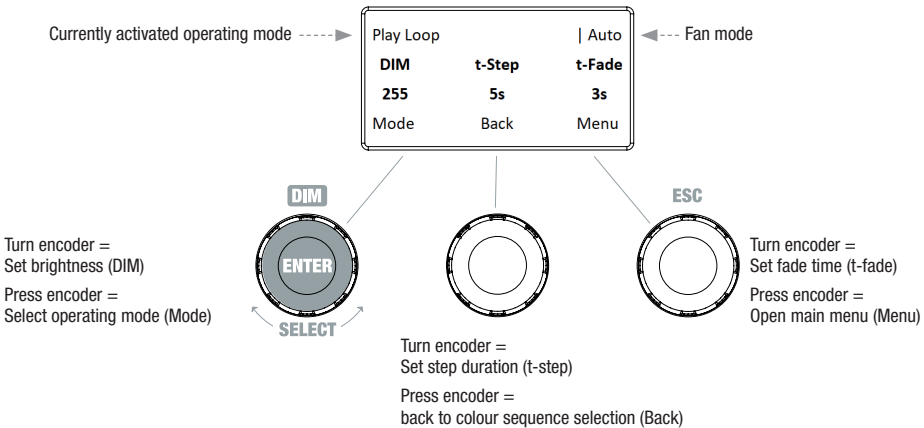


Now set the desired colour as described in the instructions for the respective stand-alone mode and press the left encoder (ENTER/Save) to confirm.



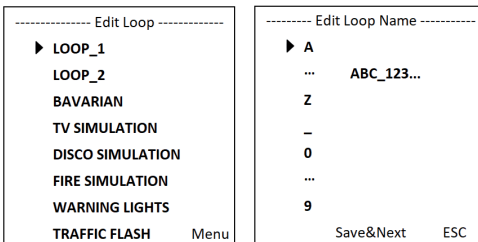
## PLAY LOOP STAND-ALONE MODE (8-step colour sequences 1 - 8)

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder (SELECT) to select **Play Loop** mode (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). Now select one of the 8 pre-programmed but customizable colour sequences by turning the left encoder. Confirm your selection by pressing the left encoder (ENTER). Set the brightness (DIM) of the colour sequence using the left encoder. Set the step duration (0.1 seconds to 21 minutes and 2 random modes) and the fade time (0 seconds to 18 minutes and 2 random modes) using the centre and right encoders (see illustration). You can customize the settings and rename colour sequences by selecting "Edit Loop" in the main menu.



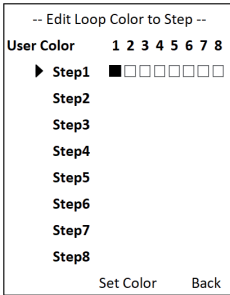
## EDIT PLAY LOOP STAND-ALONE MODE (Edit Loop)

Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **Edit Loop** (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). You can now select one of the 8 colour sequences by turning the left encoder and confirm your selection by pressing the left encoder (ENTER).



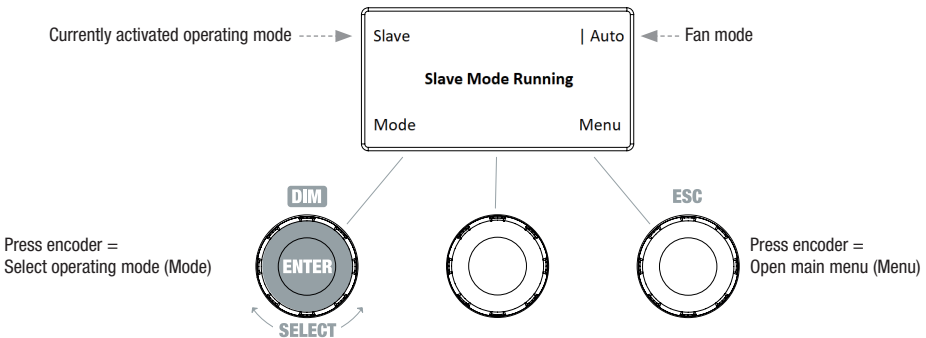
To give the colour sequence a custom name with up to 12 characters (Edit Loop Name), turn the left encoder to select a letter, underscore or number for the first character and confirm by pressing the left encoder. Repeat this process for the second and following characters. Once the preset name is complete, press the centre encoder (Save&Next) to go to the next editing step. If you press "Save&Next" before selecting a letter, underscore or number for the first position, the previous preset name is retained and you are taken straight to the next editing step.

Select step 1 of the 8-step sequence (Step1 - Step8) by turning the left encoder to then set the colour of the step (Step1, note the selection arrow). Now select one of the colours defined in the **User Color** stand-alone mode by turning the centre encoder and confirm the selection for step 1 by pressing the centre encoder. The selected colour of the respective step is indicated visually by a box with a light background below the colour numbers 1 to 8. Proceed in the same way to define the colours in steps 2 to 8. Complete the process and save the sequence by pressing the left encoder (ENTER).



## SLAVE MODE

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder to select **Slave** (note the selection arrow on the left) and confirm by pressing the encoder (ENTER). Slave mode is now enabled, and the main screen is automatically displayed. Connect the slave and the master units (same model, same software version) using a DMX cable and enable one of the stand-alone modes on the master unit. The slave unit will now follow the master unit.



## DMX OPERATION

Starting from the main screen, press the left encoder to access the menu for selecting the operating mode (Mode). Turn the left encoder to select **DMX** (note the selection arrow on the left) and confirm by pressing the encoder (ENTER). DMX mode is now enabled and the main screen is automatically shown again. Choose one of the ten available DMX modes by selecting **DMX Mode** in the main menu (see SET DMX MODE).

## DEVICE SETTINGS (Settings)

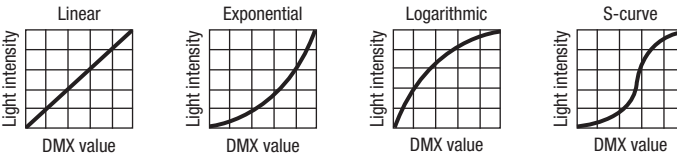
Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **Settings** (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). This will take you to the submenu for editing the following submenu items (see table, select with SELECT, confirm with ENTER, change value or status with SELECT, confirm with ENTER).

Settings				
Display Flip	=	Display rotation	Standing Position	No display rotation
			Hanging Position	Rotate display by 180° (e.g. for overhead installation)
Display Time off	=	Display lighting	Display always on	Permanently on
			Display off after 20s	Deactivates after approximately 20 seconds of inactivity
DMX Fail	=	Operational status in the event the DMX signal is interrupted	Hold	Last command is retained
			Blackout	Activates blackout
			User Color 8	Activates User Colour 8
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 response	LED	Light responds abruptly to changes in DMX value
			Halogen	Light behaves like a halogen light with smooth brightness changes
Red Shift	=	Mimics the colour drift when dimming a halogen light. When dimming the light, the colour temperature changes automatically to increasingly warm white and amber tones (and vice versa).	No	Colour drift disabled
			Dim To Warm	Colour drift enabled

PWM-Frequency	=	LED PWM frequency	600 Hz / 1200 Hz / 2000 Hz / 4000 Hz / 6000 Hz / 25k Hz	Set LED PWM frequency
Color Calibration	=	Colour calibration	RAW - Off	R, G, B, A and L (maximum value: 255)
			RAW - Adjust (individual adjustment of R, G, B, A and L with values from 000 to 255, across all modes)	Press the centre encoder = switch between R+G, B+A and L (colour) Turn the centre encoder = set the value of R, B or L
			Calibrated	Press the right encoder = Move up one level in the menu structure (ESC) Turn the right encoder = set the value of G or A
			Smart Calibration	Factory calibration of R, G, B, A and L (across all modes). Select this setting to correctly display the colour tones and presets in the CCT and Gel stand-alone modes and when controlling CCT and the Gel presets via DMX.
Autolock	=	Automatic locking of the controls	On	Automatic locking of the controls after approximately 30 seconds of inactivity. If the controls are operated while locked, the display shows "Locked!" To unlock, press the centre and right encoders simultaneously for approx. 3 seconds
			Off	Automatic locking of the controls disabled
Fan	=	Fan setting	Auto	Automatic fan control
			Off	Deactivated fan with greatly reduced brightness
			Constant Low	Constant low fan speed with reduced brightness, if necessary
			Constant Medium	Constant medium fan speed with reduced brightness, if necessary
			Constant High	Constant high fan speed

Factory Reset	=	Reset to factory settings (without resetting the user colours and loops)	Reset Now?	Reset to factory settings: confirm with ENTER, cancel with ESC
UC/Loops Reset	=	Reset the user colours and loops to factory settings	Reset User Colors/Loops	Reset to factory settings: confirm with ENTER, cancel with ESC

## DIMMER CURVES



## SYSTEM INFORMATION (System Info)

Starting from the main screen, press the right rotary-push encoder to enter the main menu. Turn the left encoder (SELECT) to select **System Info** (note the selection arrow on the left) and confirm by pressing the left encoder (ENTER). By turning the left encoder, you can now view the desired information (see table).

System Info	
Main CPU	Device firmware
LED Temp.	LED temperature display in degrees Celsius and Fahrenheit
Op. Hours	Total operating time in hours and minutes
Display	Display shutdown enabled/disabled
DMX-Fail	Operational status in the event of DMX signal interruption
Dim Curve	Dimmer curve
Dim Response	Dimmer response
Red-Shift	Colour drift enabled/disabled
PWM	LED PWM frequency
Calibr.	Factory calibration / no adjustment / user-defined adjustment
Color-Cal. R	Cross-mode adjustment of red
Color-Cal. G	Cross-mode adjustment of green
Color-Cal. B	Cross-mode adjustment of blue
Color-Cal. A	Cross-mode adjustment of amber
Color-Cal. L	Cross-mode adjustment of lime
Autolock	Automatic locking of the controls enabled/disabled
Fan	Fan setting

## MANUAL LOCKING FUNCTION

In addition to the ability to automatically protect the light from accidental and unauthorised operation (see "Settings" - "Auto-lock"), the controls can also be locked manually. Press and hold the centre and right rotary-push encoders simultaneously for approx. 3 seconds. If an attempt is made to change settings, "Locked!" will appear in the display and changing the settings of the light via the controls is no longer possible. After approx. 1 minute, the current operating mode is displayed again. To unlock, press and hold the centre and right rotary-push encoders simultaneously for approx. 3 seconds. The display will show the previously displayed information.

## SETUP AND INSTALLATION

Thanks to its four plastic feet, the light can be positioned in a suitable location on a level surface. Truss mounting is possible with the pre-installed mounting bracket (A) and a suitable truss clamp (not included). Ensure firm connections and secure the light by attaching a suitable safety cable to the securing lug (B) on top of the housing. Use the lever screw (C) on one side to adjust the vertical beam angle.



**Important safety instructions:** Overhead installation requires extensive experience, including calculating the load limit values of the mounting hardware and regular safety checks of all installation materials and lights. If you do not have these qualifications, do not attempt to perform an installation yourself. Refer instead to a qualified professional.



## BARNDOOR AND FILTER FRAME ASSEMBLY / DISASSEMBLY / LENS CLEANING

Fully disconnect the device from the mains. To install or remove the barndoor and filter frame please push the spring-loaded locking pin (D) of the bracket so that it folds upwards. Then return the bracket to its original position so that the locking pin re-engages.

The rubber-framed Fresnel lens (E) and the glass lens (F) behind it can be cleaned by folding the bracket upwards (as previously described) and removing the Fresnel lens (with the rubber frame)



upwards out of the angle brackets. Clean the Fresnel lens with a damp, lint-free cloth and the glass lens with a special lens cloth. Now place the Fresnel lens in front of the glass lens and fold the bracket back downward until the locking pin engages.



**Important safety notice!** For safety reasons, the filter frame must always be in the respective bracket on the light, even if no filter sheet is inserted!

## 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 maintenance requirement depends on the intensity of use and the environment in which it is used.

We recommend a visual inspection before each operation. Furthermore, we recommend carrying out all the applicable service measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited should defects result from inadequate service and maintenance.

### CARE (carried out by user)



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



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

1. Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.
2. Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case, as they could otherwise over-rev.).
3. Cables and connectors must be cleaned regularly and dust and dirt must be removed.

4. In general, no cleaning agents or abrasive agents may be used, otherwise the surface finish may be damaged.
5. Devices must be stored in a dry environment and protected from dust and dirt.
6. To ensure correct and safe operation, all accessible or removable lenses and light-emitting apertures must be cleaned regularly.

### MAINTENANCE AND REPAIR (by qualified personnel only)



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



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



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



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

### TECHNICAL SPECIFICATIONS

**Product number: CLF2FCPLUS**

Product type: LED Fresnel Spotlight

Type: Theater Fresnel

Colour spectrum: RGBAL

CRI: >90

CCT: 1600K - 6500K

LED quantity: Red: 13Pcs; Green: 16Pcs; RoyalBlue: 4Pcs; Blue:12Pcs;  
Amber: 18Pcs; Lime: 26Pcs

LED type: Custom LED Array

LED PWM frequency: 600Hz, 1200Hz, 2000Hz, 4000Hz, 6000Hz, 25000Hz

Luminous flux: 8350 lm

Beam angle: Beam Angle 18 - 53° / Field Angle 32° - 87°

Zoom function: Manual Knob

DMX input: 5-Pin XLR

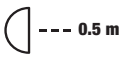
DMX output: 5-Pin XLR

Control: DMX, RDM


DMX mode: 1CH Dim, 2CH Dim 16Bit, 2CH CCT, 3CH RGB Cal., 5CH Direct, 4CH CCT  
16Bit, 6CH HSI-CCT, 7CH RGB-CCT, 10CH Direct 16Bit, 10CH HSI-CCT, 18CH  
Direct-CCT

DMX functions:	CCT, Color macros, Device Settings, Dimmer, Dimmer Curve, Dimmer Fine, RGBAL, RGBAL Fine, strobe, Dim to Warm, Hue Saturation
Standalone functions:	Loop, Master / Slave mode, Static
System settings:	Display Flip, Display Off Time, DMX-Fail, Dimmer Curve, Dimmer Response, Red-Shift, PWM Frequency, Color Calibration, Autolock, Fan, Factory Reset, UC/Loops Reset
Control elements:	3 x Push-Encoder knobs
Display elements:	1.51" Display
Operating voltage:	100 - 240 VAC 50/60Hz
Power consumption:	250W
Efficiency:	33 lm/W
Inrush current:	43A @ 0,385ms (220V)
Power supply connection:	TRUE1 Compatible Power I/O Socket
Fuse:	T3.15A
Ambient temperature (in operation):	-15 to 45 °C
Relative humidity:	80% non-condensing
IP protection class:	IP20
Housing material:	Die-cast aluminium
Housing color:	Black
Housing cooling:	Combination of Heat Pipe and Temperature Controlled Fan
Minimum distance to the illuminated surface:	0.5 m
Minimum distance to normally flammable materials:	0.5 m
Dimensions (W x H x D, without mounting bracket and barn door):	302 x 433 x 442 mm
Weight:	9 kg
RDM UID:	08A40129xxxx
Other features:	Barn door, filter frame and power cord included

## MINIMUM DISTANCE TO ILLUMINATED SURFACE

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

## DISPOSAL



### Packaging:

1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
2. Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.



### Device:

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

## MANUFACTURER'S DECLARATIONS

### Manufacturer's warranty & limitation of liability

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

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

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

[https://cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-CAMEO\\_DE\\_EN\\_ES\\_FR.pdf](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](mailto:info@adamhall.com)

Declarations of conformity for products subject to RED can be downloaded from [www.adamhall.com/compliance/](http://www.adamhall.com/compliance/)

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

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

1CH Dim User Color 1	2CH Dim 16Bit User Color 1		
Channel	Channel	Function	Values
1	1	Dimmer	000 - 255
	2	Dimmer fine	000 - 255
0% to 100%			

2CH CCT	4CH CCT		
Channel	Channel	Function	Values
1	1	Dimmer	000 - 255
	2	Dimmer fine	000 - 255
0% to 100%			
2	3	Color Temperature	000 - 005
			006 - 006
			007 - 046
			047 - 047
			048 - 087
			088 - 088
			089 - 128
			129 - 129
			130 - 169
			170 - 170
			171 - 210
			211 - 211
			212 - 251
252 - 255			
	4	Tint (affects Color Temperature)	000 - 000
			001 - 127
			128 - 128
			129 - 255

3CH RGB	5CH RGBAL		
Channel	Channel	Function	Values
1	1	Red	000 - 255
2	2	Green	000 - 255
3	3	Blue	000 - 255
	4	Amber	000 - 255
	5	Lime	000 - 255
0% to 100%			

6CH HSI CCT	7CH RGB CCT					
Channel	Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
2	2	Dimmer fine	000	-	255	
	3	Red	000	-	255	0% to 100%
	4	Green	000	-	255	0% to 100%
	5	Blue	000	-	255	0% to 100%
3		Hue	000	-	255	0° (Red) to 360°
4		Saturation	000	-	255	0% (White) to 100% (Color)
5	6	Color Temperature (affects Color Mixing)	000	-	005	Off
			006	-	006	Warm white
			007	-	046	Warm white to 2700K
			047	-	047	Bulb White (2700K)
			048	-	087	2700K to 3200K
			088	-	088	Halogen White (3200K)
			089	-	128	3200K to 4000K
			129	-	129	Neutral White (4000K)
			130	-	169	4000K to 5600K
			170	-	170	Studio White (5600K)
			171	-	210	5600K to 6500K
			211	-	211	Daylight White (6500K)
			212	-	251	6500K to Cold white
252	-	255	Cold white			
6	7	Tint (affects Color Temperature)	000	-	000	Off
			001	-	127	Magenta -> Neutral
			128	-	128	Neutral
			129	-	255	Neutral -> Green

9CH RGB CCT	10CH HSI CCT					
Channel	Channel	Function	Values			
1	1	Dimmer	000	-	255	0% to 100%
2	2	Dimmer fine	000	-	255	
3	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

ENGLISH	3	3	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
4		Red	000	-	255	0% to 100%	
5		Green	000	-	255	0% to 100%	
6		Blue	000	-	255	0% to 100%	
	4	Hue	000	-	255	0° (Red) to 360°	
		5	Saturation	000	-	255	0% (White) to 100% (Color)
FRANCAIS	7	6	Color Temperature (affects Color Mixing)	000	-	005	Off
				006	-	006	Warm white
				007	-	046	Warm white to 2700K
				047	-	047	Bulb White (2700K)
				048	-	087	2700K to 3200K
				088	-	088	Halogen White (3200K)
				089	-	128	3200K to 4000K
				129	-	129	Neutral White (4000K)
				130	-	169	4000K to 5600K
				170	-	170	Studio White (5600K)
				171	-	210	5600K to 6500K
				211	-	211	Daylight White (6500K)
				212	-	251	6500K to Cold white
252	-	255	Cold white				
POLSKI	8	7	Tint (affects Color Temperature)	000	-	000	Off
				001	-	127	Magenta -> Neutral
				128	-	128	Neutral
				129	-	255	Neutral -> Green
ITALIANO		8	Color Presets (override Color Mixing & Color Temperature)	000	-	005	No function
				006	-	009	46 Dark Magenta
				010	-	013	29 Plasa Red
				014	-	017	26 Bright Red
				018	-	021	127 Smokey Pink
				022	-	025	36 Medium Pink
				026	-	029	19 Fire
				030	-	033	135 Deep Golden Amber
				034	-	037	778 Millennium Gold
				038	-	041	21 Gold Amber
				042	-	045	157 Pink
				046	-	049	110 Middle Rose
050	-	053	109 Light Salmon				
DMX							



8	Color Presets (override Color Mixing & Color Temperature)	054 - 057	35 Light Pink
		058 - 061	134 Golden Amber
		062 - 065	17 Surprise Peach
		066 - 069	746 Brown
		070 - 073	105 Orange
		074 - 077	20 Medium Amber
		078 - 081	768 Egg Yolk Yellow
		082 - 085	15 Deep Straw
		086 - 089	767 Nectarine
		090 - 093	101 Yellow
		094 - 097	100 Spring Yellow
		098 - 101	88 Lime Green
		102 - 105	121 LEE Green
		106 - 109	738 Jas Green
		110 - 113	89 Moss Green
		114 - 117	139 Primary Green
		118 - 121	124 Dark Green
		122 - 125	323 Jade
		126 - 129	354 Special Steel Blue
		130 - 133	116 Medium Blue-Green
		134 - 137	183 Moonlight Blue
		138 - 141	132 Medium Blue
		142 - 145	119 Dark Blue
		146 - 149	716 Mikkel Blue
		150 - 153	71 Tokyo Blue
		154 - 157	181 Congo Blue
		158 - 161	799 Special KH Lavender
		162 - 165	707 Ultimate Violet
		166 - 169	343 Special Medium Lavender
		170 - 173	798 Chrysalis Pink
		174 - 177	701 Provence
		178 - 181	797 Deep Purple
		182 - 185	48 Rose Purple
		186 - 189	345 Fuchsia Pink
190 - 193	795 Magical Magenta		
194 - 197	128 Bright Pink		
198 - 201	2 Rose Pink		
202 - 207	User Color 1		
208 - 213	User Color 2		
214 - 219	User Color 3		
220 - 225	User Color 4		
226 - 231	User Color 5		

	8	Color Crossfade (affects HSI, CCT and Color Presets)	232 - 237	User Color 6
			238 - 243	User Color 7
			244 - 249	User Color 8
			250 - 255	No function
			000 - 005	0s (Off)
			006 - 105	0,1s - 10s (0,1s Steps)
			106 - 214	11s - 119s (1s Steps)
			215 - 244	2m - 4m50s (10s Steps)
9	10	Device settings (all settings ex- ecuted are after holding value for 3 seconds) (please read remark 1*)	245 - 255	5m - 15m (1m Steps)
			000 - 024	No function
			025 - 025	Record User Color 1
			026 - 026	Record User Color 2
			027 - 027	Record User Color 3
			028 - 028	Record User Color 4
			029 - 029	Record User Color 5
			030 - 030	Record User Color 6
			031 - 031	Record User Color 7
			032 - 032	Record User Color 8
			033 - 073	No function
			074 - 075	Dimmer Response LED
			076 - 077	Dimmer Response Halogen
			078 - 081	No function
			082 - 083	DTW (Redshift) On
			084 - 085	DTW (Redshift) Off
			086 - 097	No function
			098 - 099	Fan Auto
			100 - 101	Fan Off
			102 - 103	Fan Constant Low
			104 - 105	Fan Constant Medium
			106 - 107	Fan Constant High
			108 - 119	No function
			120 - 121	PWM Frequency 600Hz (hold 3s)
			122 - 123	PWM Frequency 1200Hz (hold 3s)
			124 - 125	PWM Frequency 2000Hz (hold 3s)
			126 - 127	PWM Frequency 4000Hz (hold 3s)
			128 - 128	PWM Frequency 6000Hz (hold 3s)
129 - 129	PWM Frequency 18.9 kHz (hold 3s)			
130 - 131	PWM Frequency 25 kHz (hold 3s)			
132 - 133	RAW			
134 - 135	Factory Calibration			
136 - 137	User Calibration			
138 - 139	Smart Calibration			

9	10	Device settings (all settings executed are after holding value for 3 seconds) (please read remark 1*)	140	-	141	Display Always On
			142	-	143	Display Off after 20s
			144	-	163	No Function
			164	-	165	Dimmer Curve Linear
			166	-	167	Dimmer Curve Exponential
			168	-	169	Dimmer Curve Logarithmic
			170	-	171	Dimmer Curve S-Curve
			172	-	239	No function
			240	-	241	Load Factory Defaults
			242	-	243	Load Factory Defaults (without User Colors & Loops)
			244	-	255	No function

**10CH  
RGBAL  
16Bit**

Channel	Function	Values		
1	Red	000	- 255	0% to 100%
2	Red fine	000	- 255	
3	Green	000	- 255	0% to 100%
4	Green fine	000	- 255	
5	Blue	000	- 255	0% to 100%
6	Blue fine	000	- 255	
7	Amber	000	- 255	0% to 100%
8	Amber fine	000	- 255	
9	Lime	000	- 255	0% to 100%
10	Lime fine	000	- 255	

**11CH  
Direct  
CCT**
**18CH  
Full  
Access**

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

ENGLISH	3	3	Strobe Functions	046	-	056	Ramp up random slow to fast	Multi-functional Strobe
				057	-	068	Ramp down slow to fast	
				069	-	079	Ramp down random slow to fast	
				080	-	102	Random Strobe effect slow to fast	
				103	-	127	Strobe Break effect 5s to 1s (short burst with break)	
				128	-	250	Strobe slow to fast (<1Hz to 20Hz)	
				251	-	255	Open	
FRANCAIS	4	4	Red	000	-	255	0% to 100%	Additive Color Mixing
		5	Red fine	000	-	255		
	5	6	Green	000	-	255		
		7	Green fine	000	-	255		
	6	8	Blue	000	-	255		
		9	Blue fine	000	-	255		
	7	10	Amber	000	-	255		
		11	Amber fine	000	-	255		
	8	12	Lime	000	-	255		
	13	Lime fine	000	-	255			
POLSKI	9	14	Color Temperature (affects Color Mixing)	000	-	005	Off	CCT
				006	-	006	Warm white	
				007	-	046	Warm white to 2700K	
				047	-	047	Bulb White (2700K)	
				048	-	087	2700K to 3200K	
				088	-	088	Halogen White (3200K)	
				089	-	128	3200K to 4000K	
				129	-	129	Neutral White (4000K)	
				130	-	169	4000K to 5600K	
				170	-	170	Studio White (5600K)	
				171	-	210	5600K to 6500K	
				211	-	211	Daylight White (6500K)	
				212	-	251	6500K to Cold white	
				252	-	255	Cold white	
DMX	10	15	Tint (affects Color Temperature)	000	-	000	Off	Tint
				001	-	127	Magenta -> Neutral	
				128	-	128	Neutral	
				129	-	255	Neutral -> Green	

16	Color Presets (override Color Mixing & Color Temperature)	000 - 005	No function	Color
		006 - 009	46 Dark Magenta	
		010 - 013	29 Plasa Red	
		014 - 017	26 Bright Red	
		018 - 021	127 Smokey Pink	
		022 - 025	36 Medium Pink	
		026 - 029	19 Fire	
		030 - 033	135 Deep Golden Amber	
		034 - 037	778 Millennium Gold	
		038 - 041	21 Gold Amber	
		042 - 045	157 Pink	
		046 - 049	110 Middle Rose	
		050 - 053	109 Light Salmon	
		054 - 057	35 Light Pink	
		058 - 061	134 Golden Amber	
		062 - 065	17 Surprise Peach	
		066 - 069	746 Brown	
		070 - 073	105 Orange	
		074 - 077	20 Medium Amber	
		078 - 081	768 Egg Yolk Yellow	
		082 - 085	15 Deep Straw	
		086 - 089	767 Nectarine	
		090 - 093	101 Yellow	
		094 - 097	100 Spring Yellow	
		098 - 101	88 Lime Green	
		102 - 105	121 LEE Green	
		106 - 109	738 Jas Green	
		110 - 113	89 Moss Green	
		114 - 117	139 Primary Green	
		118 - 121	124 Dark Green	
		122 - 125	323 Jade	
		126 - 129	354 Special Steel Blue	
		130 - 133	116 Medium Blue-Green	
		134 - 137	183 Moonlight Blue	
138 - 141	132 Medium Blue			
142 - 145	119 Dark Blue			
146 - 149	716 Mikkell Blue			
150 - 153	71 Tokyo Blue			
154 - 157	181 Congo Blue			
158 - 161	799 Special KH Lavender			
162 - 165	707 Ultimate Violet			

ENGLISH	16	Color Presets (override Color Mixing & Color Temperature)	166 - 169	343 Special Medium Lavender	Color
			170 - 173	798 Chrysalis Pink	
			174 - 177	701 Provence	
			178 - 181	797 Deep Purple	
			182 - 185	48 Rose Purple	
			186 - 189	345 Fuchsia Pink	
			190 - 193	795 Magical Magenta	
			194 - 197	128 Bright Pink	
			198 - 201	2 Rose Pink	
			202 - 207	User Color 1	
			208 - 213	User Color 2	
			214 - 219	User Color 3	
			220 - 225	User Color 4	
			226 - 231	User Color 5	
			232 - 237	User Color 6	
			238 - 243	User Color 7	
			244 - 249	User Color 8	
250 - 255	No function				
ESPAÑOL	17	Color Crossfade (affects HSI, CCT and Color Presets)	000 - 005	0s (Off)	
			006 - 105	0,1s - 10s (0,1s Steps)	
			106 - 214	11s - 119s (1s Steps)	
			215 - 244	2m - 4m50s (10s Steps)	
			245 - 255	5m - 15m (1m Steps)	
POLSKI	18	Device settings (all settings executed are after holding value for 3 seconds) (please read remark 1*)	000 - 024	No function	User Colors
			025 - 025	Record User Color 1	
			026 - 026	Record User Color 2	
			027 - 027	Record User Color 3	
			028 - 028	Record User Color 4	
			029 - 029	Record User Color 5	
			030 - 030	Record User Color 6	
			031 - 031	Record User Color 7	
			032 - 032	Record User Color 8	
			033 - 073	No function	Dimming
			074 - 075	Dimmer Response LED	
			076 - 077	Dimmer Response Halogen	
			078 - 081	No function	
			082 - 083	DTW (Redshift) On	
084 - 085	DTW (Redshift) Off				
086 - 097	No function				
FRANCAIS	11		000 - 024	No function	
			025 - 025	Record User Color 1	
			026 - 026	Record User Color 2	
			027 - 027	Record User Color 3	
			028 - 028	Record User Color 4	
			029 - 029	Record User Color 5	
			030 - 030	Record User Color 6	
			031 - 031	Record User Color 7	
			032 - 032	Record User Color 8	
			033 - 073	No function	
			074 - 075	Dimmer Response LED	
			076 - 077	Dimmer Response Halogen	
			078 - 081	No function	
			082 - 083	DTW (Redshift) On	
084 - 085	DTW (Redshift) Off				
086 - 097	No function				
DEUTSCH	11		000 - 024	No function	
			025 - 025	Record User Color 1	
			026 - 026	Record User Color 2	
			027 - 027	Record User Color 3	
			028 - 028	Record User Color 4	
			029 - 029	Record User Color 5	
			030 - 030	Record User Color 6	
			031 - 031	Record User Color 7	
			032 - 032	Record User Color 8	
			033 - 073	No function	
			074 - 075	Dimmer Response LED	
			076 - 077	Dimmer Response Halogen	
			078 - 081	No function	
			082 - 083	DTW (Redshift) On	
084 - 085	DTW (Redshift) Off				
086 - 097	No function				
DMX	11		000 - 024	No function	
			025 - 025	Record User Color 1	
			026 - 026	Record User Color 2	
			027 - 027	Record User Color 3	
			028 - 028	Record User Color 4	
			029 - 029	Record User Color 5	
			030 - 030	Record User Color 6	
			031 - 031	Record User Color 7	
			032 - 032	Record User Color 8	
			033 - 073	No function	
			074 - 075	Dimmer Response LED	
			076 - 077	Dimmer Response Halogen	
			078 - 081	No function	
			082 - 083	DTW (Redshift) On	
084 - 085	DTW (Redshift) Off				
086 - 097	No function				

11	18	Device settings (all settings executed are after holding value for 3 seconds) (please read remark 1*)	098	-	099	Fan Auto	Fan Settings
			100	-	101	Fan Off	
			102	-	103	Fan Constant Low	
			104	-	105	Fan Constant Medium	
			106	-	107	Fan Constant High	
			108	-	119	No function	
			120	-	121	PWM Frequency 600Hz	PWM Frequency
			122	-	123	PWM Frequency 1200Hz	
			124	-	125	PWM Frequency 2000Hz	
			126	-	127	PWM Frequency 4000Hz	
			128	-	128	PWM Frequency 6000Hz	
			129	-	129	PWM Frequency 18.9 kHz	
			130	-	131	PWM Frequency 25 kHz	
			132	-	133	RAW	
			134	-	135	Factory Calibration	Color Calibration
			136	-	137	User Calibration	
			138	-	139	Smart Calibration	
			140	-	141	Display Always On	Display Functions
			142	-	143	Display Off after 20s	
			144	-	163	No Function	
			164	-	165	Dimmer Curve Linear	Dimmer Curve
			166	-	167	Dimmer Curve Exponential	
			168	-	169	Dimmer Curve Logarithmic	
			170	-	171	Dimmer Curve S-Curve	
172	-	239	No function				
240	-	241	Load Factory Defaults	Load Default			
242	-	243	Load Factory Defaults (without User Colors & Loops)				
244	-	255	No function				

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

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

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

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

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

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

ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

DMX



DMX

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POLSKI

ESPAÑOL

FRANCAIS

DEUTSCH

ENGLISH

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REV: 01