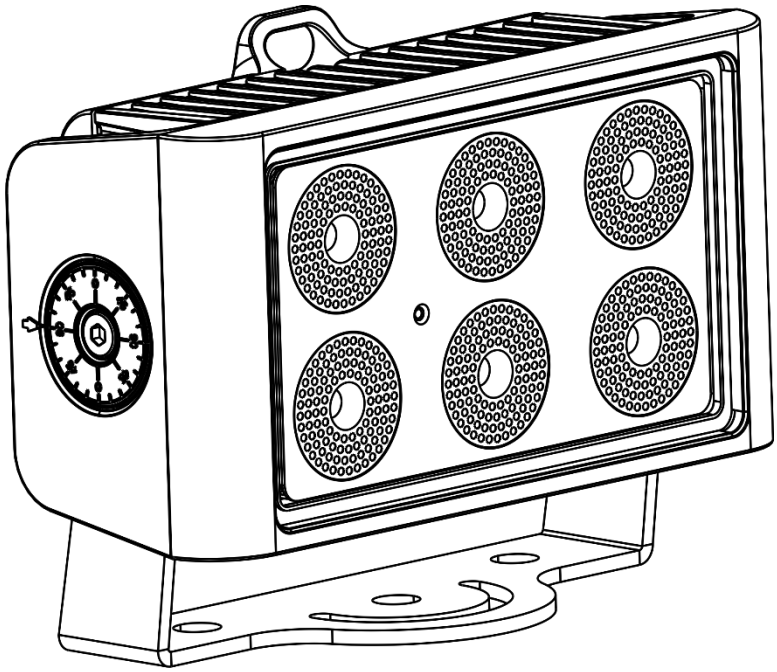
MANUAL



ENGLISH

Cameleon Flood 6 Q4 V5

Product code: 42672

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Warning

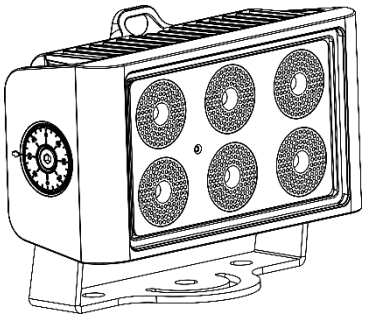
For your own safety, please read this user manual carefully before your initial start-up!

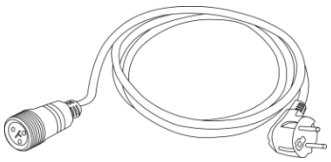
Unpacking Instructions

Immediately upon receiving this product, carefully unpack the box and check the contents to ensure that all parts are present and have been received in good condition. Notify the dealer immediately and retain the packing material for inspection if any parts appear damaged from shipping or the box itself shows signs of mishandling. Save the box and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- Showtec Cameleon Flood 6 Q4
- 1x Schuko to 3-pins (IP-65) Power cable 1,5m
- User manual





LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, the life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, adjust settings for lower operational temperatures. This may include climatic and environmental and the reduction of overall projection intensity.

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the fixture holding it by the projector head, as the mechanics may be damaged. Always hold the fixture by the transport handles.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only operate the fixture after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized yourself with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains when the device is not in use or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If the lens is obviously damaged, it has to be replaced.
- If the device was dropped or struck, disconnect the mains power supply immediately. Have a qualified engineer inspect the device for safety before operating.
- If the device has been exposed to drastic temperature fluctuations (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material) and return it to your Showtec dealer for servicing.
- For adult use only. The fixture must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement, use fuses of same type and rating only.

- The user is responsible for correct positioning and operating of the Cameleon Flood 6 Q4. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore, it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: One year from date of purchase.



CAUTION! Eyedamages!!!
Avoid looking directly into the lightsource!!!
(meant especially for epileptics)!!!



Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- The maximum ambient temperature t_a = 40°C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40° C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damage and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crashes, etc.

You endanger your own safety and the safety of others!

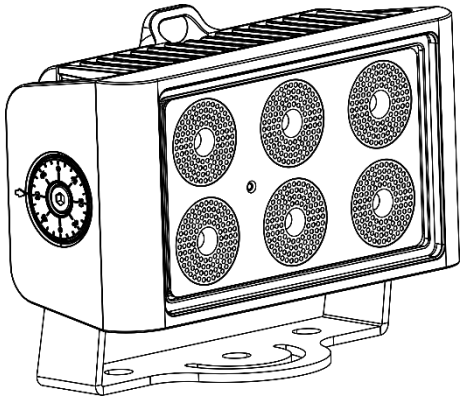
Rigging

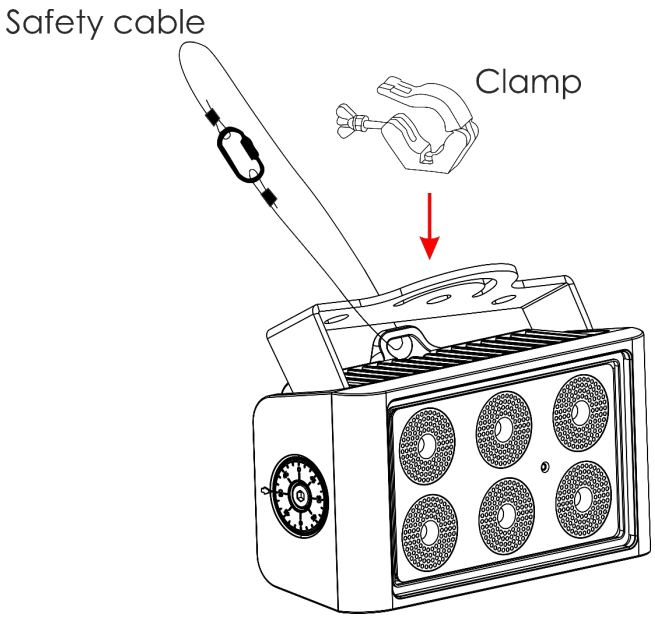
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself!
Always let the installation be carried out by an authorized dealer!

Procedure:

- If the Cameleon Flood is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Cameleon Flood with the mounting bracket to the trussing system.
- The Cameleon Flood must never be fixed swinging freely.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, derigging or servicing the Cameleon Flood, always make sure that the area below the installation site is secured and that there are not any unauthorized people around.





The Cameleon Flood 6 Q4 can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Improper installation can cause serious injuries and/or damage of property!

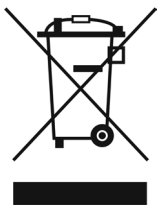
Connection with the mains

Connect the device to the mains with the power-plug.
Always check if the right color of cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
⏚	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!



Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. The package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack the fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packaging or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

01) Your name
02) Your address
03) Your phone number
04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore, any damage must be reported to the carrier upon receipt of merchandise.
It is the customer's responsibility to report and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.
Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.
Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.
Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.

Description of the device

Features

The Cameleon Flood 6 Q4 is a wall washer with great output and effects. It is part of the Cameleon series. It's an indoor and outdoor solution for illumination of numerous objects.

- Plug and Play
- RGBW 4-in-1 Color mixing
- Touch display
- XLR 3-pin to mini 3-pin cable (42708) to connect the Cameleon to DMX, not included!
- Input voltage: 100-240V, 50/60Hz
- Power consumption: 60W @FO
- Drive current: 350mA
- Refresh rate: 1220Hz
- DMX Mode: 4, 6 or 10 Channels
- Colour range: 16,7 million additive colors
- Light source: 6x 5W 4-in-1 RGBW ProLight Opto Hornet Series
- Lux @2m: Red: 324 Lumen
  Green: 754 Lumen
  Blue: 124 Lumen
  White: 579 Lumen
  Full Output: 1337 Lumen
- Beam Angle:39°
- Max. distance: 10m
- Protection rate: IP-65
- Lens Plate: Tempered Glass
- Control: DMX / Auto Program / Built-in programs / Master-slave/ Manual
- Dimmer: 0-100%
- Strobe: 0-15Hz
- Housing: Die-Cast Black Aluminum
- Cooling: Convection (no fans)
- Connections: Dedicated Power cable IP-65 IN/OUT & Data IP-65 IN/OUT
- Dimensions: 220 x 90 x 150 mm (LxWxH incl. bracket)
- Weight: 3,0 kg

Optional accessories

42698 Power end cap set Male/female for Cameleon series
42699 Data end cap set Male/female for Cameleon series
42705 Power Extension cable for Cameleon series (3m)
42706 Power connection cable for Cameleon series (3m)
42707 DMX Extension cable for Cameleon series (3m)
427076 DMX Extension cable for Cameleon series (6m)
42708 DMX Input cable for Cameleon series (3m)
44002 UR-5 Universal IR remote



Please make sure to obtain the XLR 3-pin to mini 3-pin cable (42708) to connect the device to DMX.

Overview

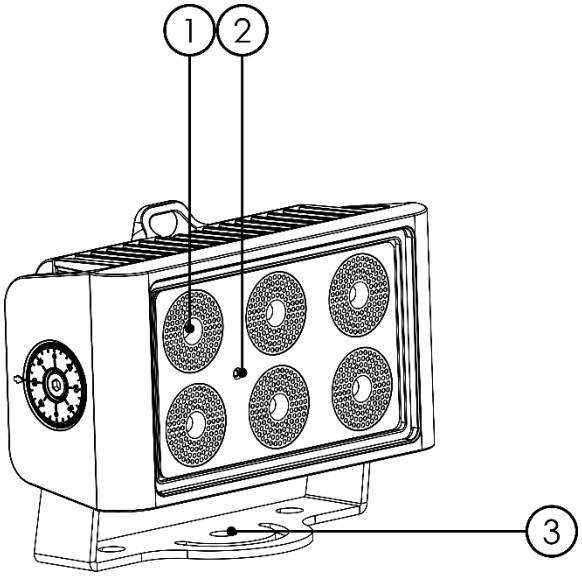


Fig. 01

01) 6x 5W 4-in-1 RGBW ProLight Opto Hornet Series
02) IR-remote sensor
03) Mounting bracket

Backside

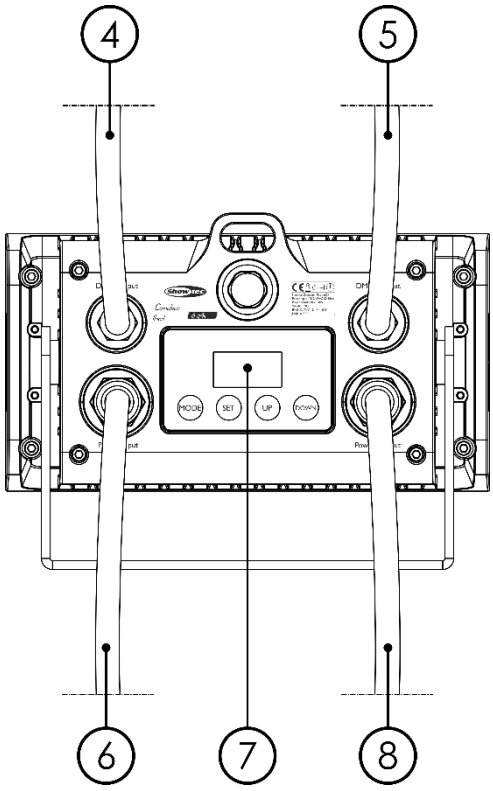


Fig. 02

04) Special mini 3-pin DMX cable IN IP-65
05) Special mini 3-pin DMX cable OUT IP-65
06) Special mini 3-pin power cable IN IP-65
07) OLED Display + control buttons
08) Special mini 3-pin power cable OUT IP-65

Installation

Remove all packing materials from the Cameleon Flood 6 Q4. Check if all foam and plastic padding is removed. Connect all cables.
Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.
Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Control Modes

There are 5 modes:

- Auto program
- Built-in programs
- Manual Color mode
- Master/slave
- DMX-512 (4CH, 6CH, 10CH)

One Cameleon Flood (Auto program)
01) Fasten the effect light onto secure trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (Product codes: 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Cameleon Flood is not connected with a DMX cable, it functions as a stand-alone device. Please see page 15 for more information about the Auto program.

One Cameleon Flood (Built-in programs)
01) Fasten the effect light onto secure trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (Product codes: 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Cameleon Flood is not connected with a DMX cable, it functions as a stand-alone device. Please see page 15 for more information about the Built-in programs.

One Cameleon Flood (Manual Color mode)
01) Fasten the effect light onto secure trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (Product codes: 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Cameleon Flood is not connected with a DMX cable, it functions as a stand-alone device. Please see page 16 for more information about the Manual Color mode.

Multiple Cameleon Floods (Master/Slave control)

01) Fasten the effect light onto secure trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (Product codes: 70140 / 70141).
03) Use a 3-p XLR cable to connect the Cameleon Floods and other devices.
The pins:



01) Earth
02) Signal (-)
03) Signal (+)

04) Link the units as shown in Fig. 03. Connect the first unit's DMX "out" socket with the second unit's "in" socket, using the 42707/427076 – DMX Extension cable. Link the second, third and fourth units using the 42707/427076 – DMX Extension cable.
You can use the same functions on the master device as described on pages 15 and 16 (Auto program, Built-in programs, Manual Color mode). This means that you can set your desired operation mode on the master device and all slave devices will react the same as the master device.

Multiple Cameleon Floods (Master/Slave control)

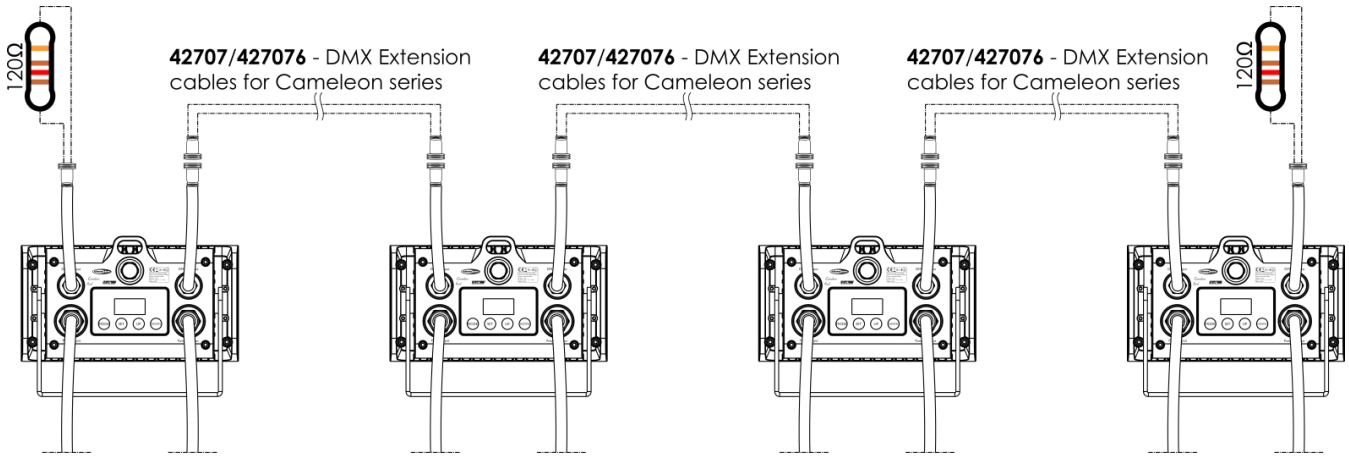
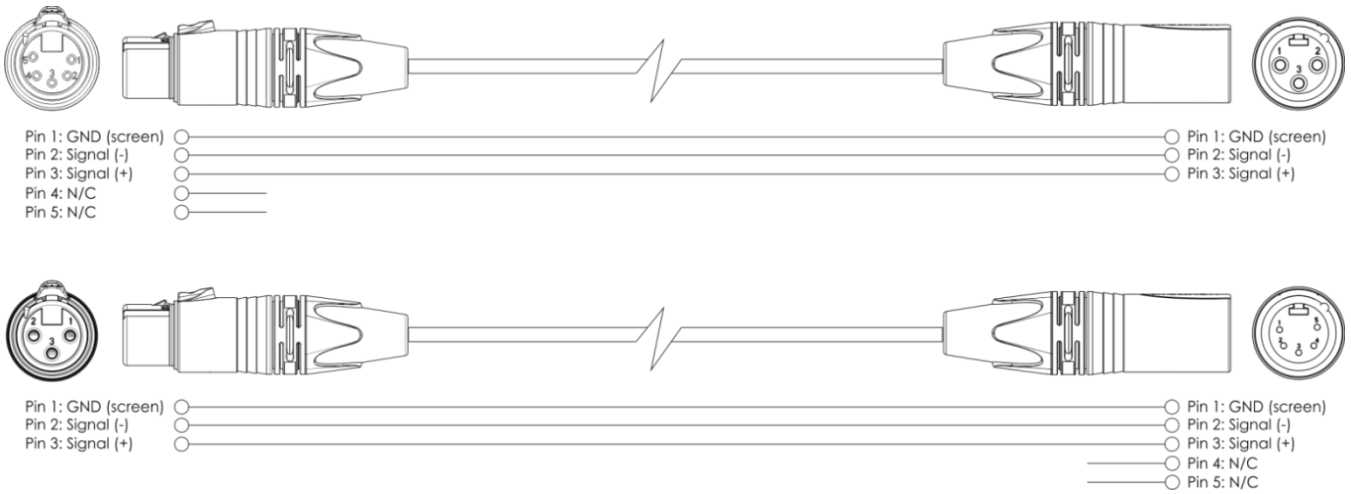


Fig. 03

Multiple Cameleon Floods (DMX Control)

01) Fasten the effect light onto secure trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (Product codes: 70140 / 70141).
03) Use a 3-pin XLR cable to connect the Cameleon Floods and other devices.



04) Link the units as shown in fig. 04. Connect a light controller to the first unit's DMX "in" socket, using the 42708 – DMX input cable. Connect the first unit's "out" socket with the second unit's "in" socket, using the 42707/427076 – DMX Extension cable, Link the second, third and fourth units using the 42707/427076 – DMX Extension cable.
05) Supply electric power: Plug electric mains power cords into each unit's special IP65 power IN socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

Multiple Cameleon Floods DMX Set Up

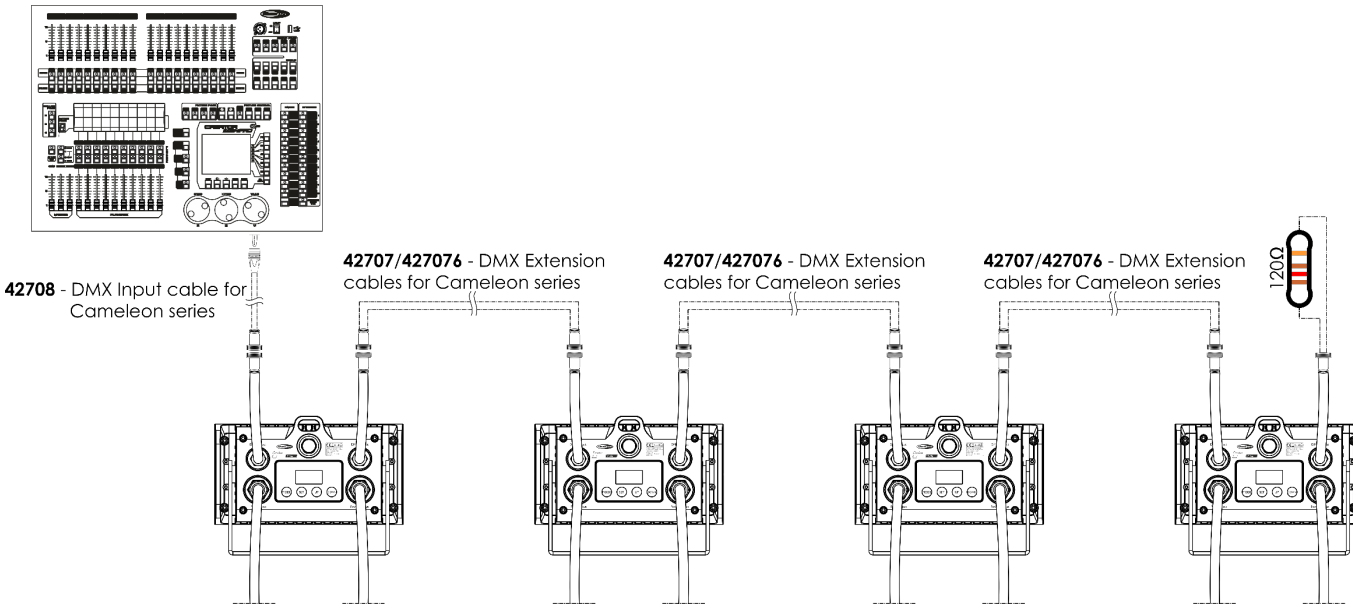


Fig. 04

Note: Link all cables before connecting electric power

Note: You cannot plug a standard DMX cable directly into the connector. Be sure to use the special cable for DMX connection (42708) and extension cables (42707/427076).

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows of two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Important: Fixtures on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.



Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of fixtures on a DMX data link: 30 fixtures
Maximum recommended number of fixtures on a Power link: 15 units @120V
Maximum recommended number of fixtures on a Power link: 30 units @230V

Data Cabling

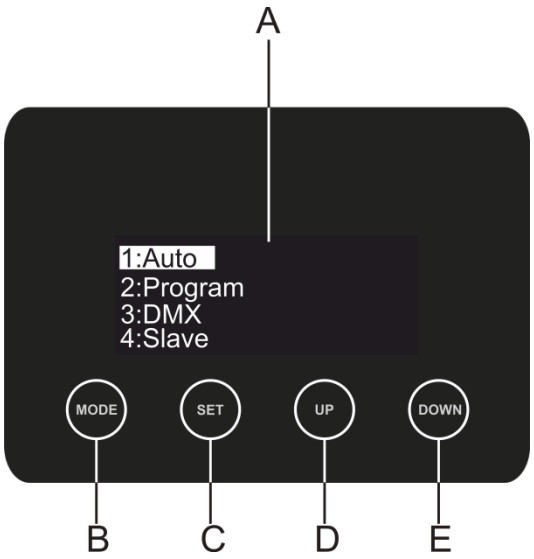
To link fixtures together, you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high-quality signal and are less prone to electromagnetic interference.

DAP Audio DMX Data Cables

- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3-pin > XLR/F 3-pin. **Product codes:** FL01150 (1,5 m), FL013 (3 m), FL016 (6 m), FL0110 (10 m), FL0115 (15 m), FL0120 (20 m).
- DAP Audio X-type data cable XLR/M 3-pin > XLR/F 3-pin. **Product codes:** FLX0175 (0,75 m), FLX01150 (1,5 m), FLX013 (3 m), FLX016 (6 m), FLX0110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-quality and connectors made by Neutrik®. **Product codes:** FL71150 (1,5 m), FL713 (3 m), FL716 (6 m), FL7110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-quality and connectors made by Neutrik®. **Product codes:** FL7275 (0,75 m), FL72150 (1,5 m), FL723 (3 m), FL726 (6 m), FL7210 (10 m).
- DAP Audio 110 Ohm cable with digital signal transmission. **Product code:** FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).
- DAP Audio DMX adapter: 5-pin > 3-pin. **Product code:** FLA29.
- DAP Audio DMX adapter: 3-pin > 5-pin. **Product code:** FLA30.
- DAP Audio DMX Terminator 3-pin. **Product code:** FLA42.
- DAP Audio DMX Terminator 5-pin. **Product code:** FLA43.

Note: Use the special DMX cables for DMX connection.
42707 DMX Extension cable for Cameleon series (3m)
427076 DMX Extension cable for Cameleon series (6m)
42708 DMX Input cable for Cameleon series (3m)

Control Panel



A) OLED display
B) MODE button
C) SET button
D) UP button
E) DOWN button

Fig. 05

Control Mode

The fixtures are individually addressed on a data-link and connected to the controller.
The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address, next time.)

DMX Addressing

The control panel on the front side of the base allows you to assign DMX fixture addresses, which is the first channel with which the Cameleon will respond to the controller.
Please note, when you use the controller, the unit has **10** channels.
When using multiple Cameleons, make sure you set the correct DMX addresses.
Therefore, the DMX address of the first Cameleon should be **1(001)**; the DMX address of the second Cameleon should be **1+10=11 (011)**; the DMX address of the third Cameleon should be **11+10=21 (021)**, etc. Please, be sure that you do not have any overlapping channels in order to control each Cameleon correctly. If two or more Cameleons have the same address, they will do the same thing.

Controlling:

After having addressed all Cameleon fixtures, you may now start operating these via your lighting controller.
Note: After switching on, the Cameleon will automatically detect whether DMX 512 data is received or not. If not, the problem may be:

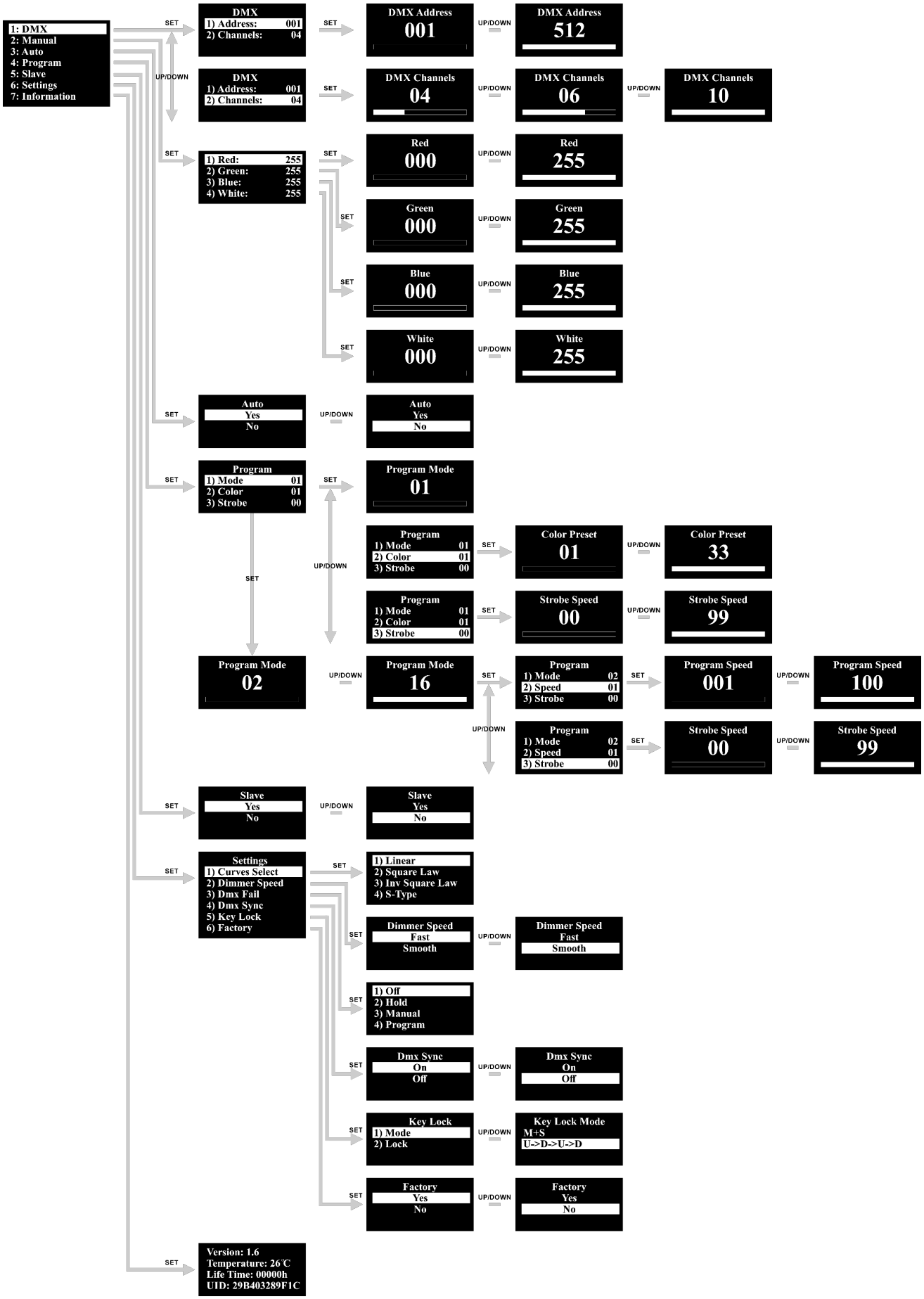
- The XLR cable from the controller is not connected with the input of the Cameleon.
- The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

Note: It is necessary to insert an XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

⚠ Display Off after 50 seconds ⚠

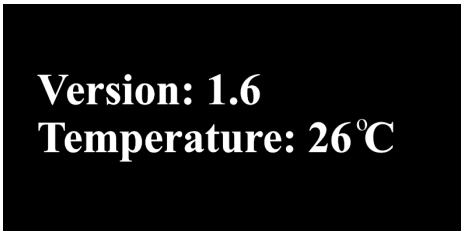
When no button is pressed for 50 seconds, the display will turn off.
To light up the display, you have to press the **MODE**, **SET**, **UP** or **DOWN** button.
Once you have pressed the button, the display will light up.

Menu Overview

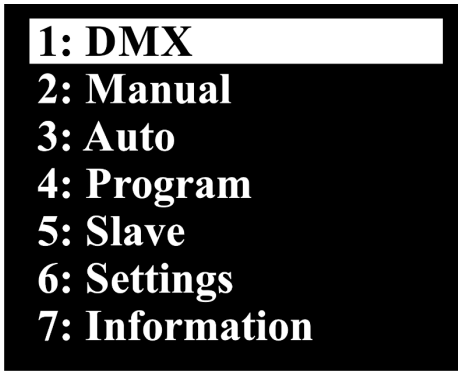


Main Menu Options

01) Upon start-up, the display will show one screen:



02) Press the **SET** or **MODE** button to open the main menu. The display will show:



03) Press the **UP/DOWN** buttons to toggle between the menus.
04) Press the **SET** button to open the desired menu.
05) Press the **MODE** button to return to the previous screen.

1. DMX Address/ DMX Configuration
With this menu you can set the device's DMX starting address and choose a DMX channel mode.



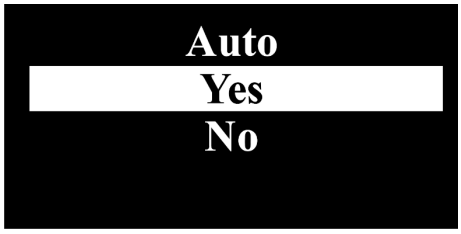
01) While in the main menu, press the **UP/DOWN** buttons to choose DMX.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to choose Address or Channels.
04) Once you have chosen Address, press the **SET** button to open the submenu.
05) Press the **UP/DOWN** buttons to set the desired DMX address. The adjustment range is between 001-512.
06) Once you have chosen Channels, press the **SET** button to open the submenu.
07) Press the **UP/DOWN** buttons to choose 4, 6 or 10 DMX channels.

2. Manual Color mode
With this menu you can set the static colors.



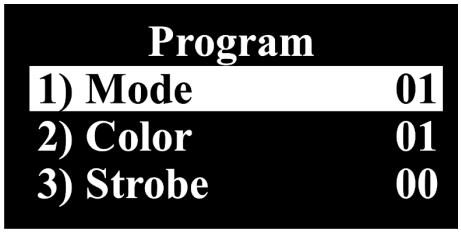
01) While in main menu, press the **UP/DOWN** buttons to choose Manual.
02) Press the **SET** button to open this menu.
03) Press the **UP/DOWN** buttons to toggle between the static colors Red, Green, Blue and White.
04) Once you have chosen the desired color with the **UP/DOWN** buttons , press the **SET** button to adjust the color intensity. The adjustment range is between 0-255, from dark to brightest. You can set this with the **UP/DOWN** buttons.

3. Auto program
With this menu, you can activate the built-in auto program.
01) While in the main menu, press the **UP/DOWN** buttons to choose Auto.
02) Press the **SET** button to open the menu, the display will show:

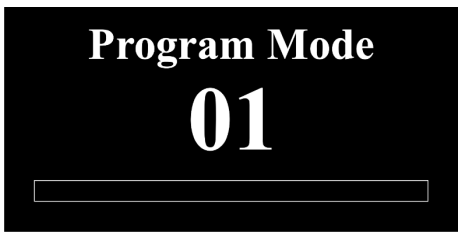


03) Press the **UP/DOWN** buttons to select **Yes** or **No**.
04) If you choose **Yes** and confirm it with the **SET** button, the device will start the auto program.
05) If you choose **No**, the device will keep its current settings.

4. Built-in programs
With this menu, you can set the preset colors or the program speed and the strobe frequency of the built-in programs.
01) While in the main menu, press the **UP/DOWN** buttons to choose Program.
02) Press the **SET** button to enter the menu. The display will show:



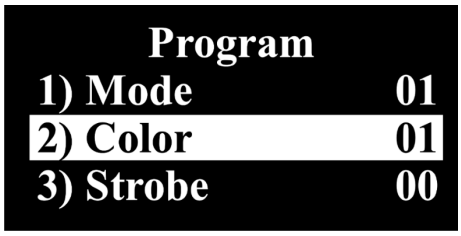
03) Press the **UP/DOWN** buttons to choose MODE and press the **SET** button to enter the menu.
04) The display will show:



05) Press the **UP/DOWN** buttons to choose one of the 16 built-in programs. Press the **SET** button to confirm your choice.

4.1. Program 01

01) If you have chosen program 01, the display will show:

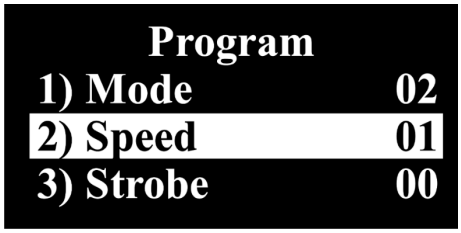


02) Press the **UP**/**DOWN** buttons to choose one of the 2 options:
- COLOR
- STROBE

03) Press the **SET** button to enter the desired menu.
04) If you have chosen COLOR, press the **UP**/**DOWN** buttons to choose one of the 33 color macros. Press the **SET** button to save your settings.
05) If you have chosen STROBE, press the **UP**/**DOWN** buttons to set the strobe frequency. The adjustment range is between 0-99, from OFF to high frequency. Press the **SET** button to save your settings.

4.2. Programs 02-16

01) If you have chosen one of the programs 02-16, the display will show:



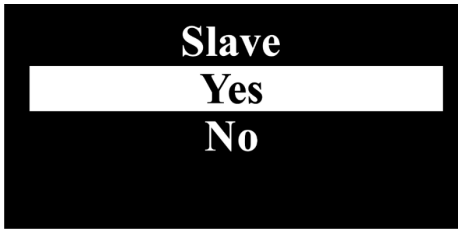
02) Press the **UP**/**DOWN** buttons to choose one of the 2 options:
- SPEED
- STROBE

03) Press the **SET** button to enter the desired menu.
04) If you have chosen SPEED, press the **UP**/**DOWN** buttons to set the built-in program's speed. The adjustment range is between 1-100, from slow to fast. Press the **SET** button to save your settings.
05) If you have chosen STROBE, press the **UP**/**DOWN** buttons to set the strobe frequency. The adjustment range is between 0-99, from OFF to high frequency. Press the **SET** button to save your settings.

5. Master/slave

With this menu, you can set the device as a slave.

01) While in the main menu, press the **UP**/**DOWN** buttons to choose SLAVE.
02) Press the **SET** button to enter the menu. The display will show:

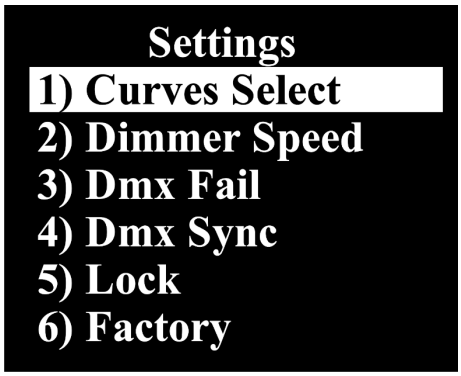


03) Press the **UP**/**DOWN** buttons to choose YES or NO.
04) Press the **SET** button to confirm your choice.
05) If you have chosen YES, the device will be set as a slave and will react the same as the master device.

6. Settings

With this menu you can set the device's settings.

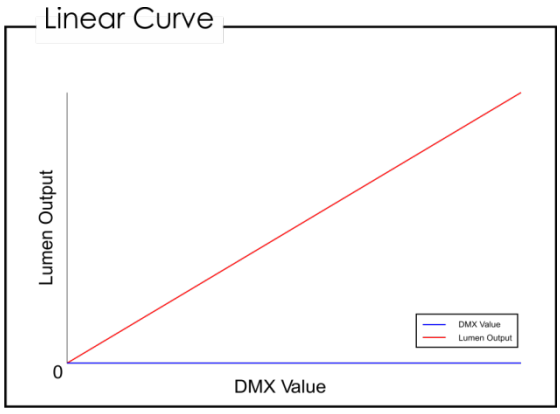
01) While in the main menu, press the **UP/DOWN** buttons to choose Settings.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to toggle between the following menus: Curves Select, Dimmer Speed, Dmx Fail, Dmx Sync, Lock, Factory.

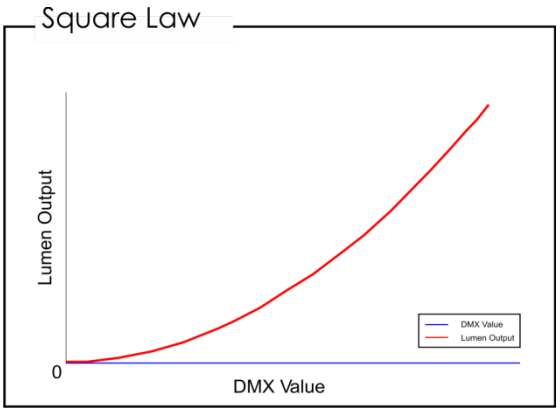


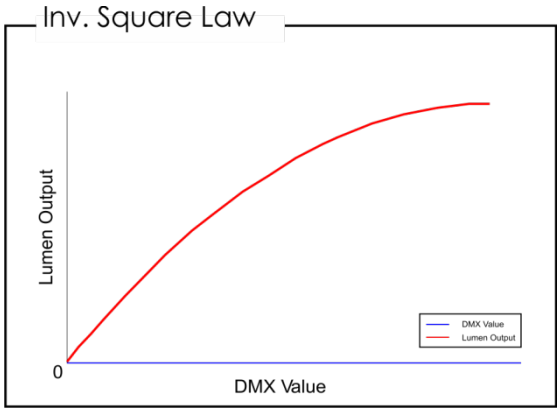
6.1. Curves Select

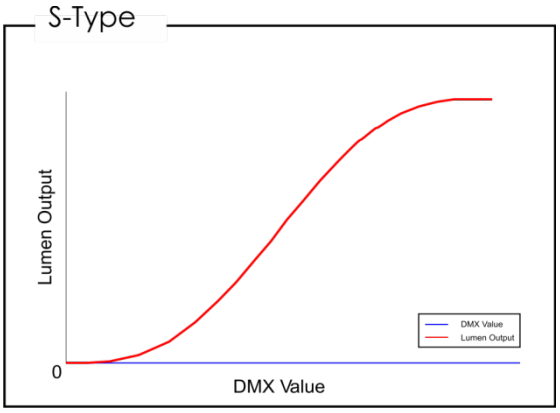
With this menu, you can adjust the dimming of the device by choosing a dimming curve.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Curves Select.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired dimming curve out of the 4 available options:









6.2. Dimmer Speed

With this menu, you can adjust the dimming speed of the device.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Dimmer Speed.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired dimming speed.
04) You can choose Fast or Smooth.

6.3. Dmx Fail

With this menu, you can adjust the behaviour of the device in case of a DMX signal error.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Dmx Fail.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to select one of the 4 options:
    - OFF: the device will black out the light output
    - HOLD: the device will use last properly received DMX signal, ensuring undisrupted performance
    - MANUAL: the device will switch to Manual mode
    - PROGRAM: the device will run the built-in programs
04) Press the **SET** button to confirm your choice.

6.4. Dmx Sync

With this menu, you can set the DMX synchronisation of the device.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Dmx Sync.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired option.
04) You can choose On or Off.
05) The Sync option is a tool which helps to keep multiple fixtures synchronized, when using them in master slave mode.
06) When you choose On, the synchronization function is activated.

6.5. Key Lock

With this menu, you can select the key lock mode and lock function.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Key Lock.
02) Press the **SET** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between Mode or Lock.
04) If you have chosen Mode, press the **SET** button to open the submenu.
05) Press the **UP/DOWN** buttons to choose between the modes M+S or U->D->U->D and confirm it with the **SET** button. If you have chosen M+S, pressing the **MODE** and **SET** buttons simultaneously for 3 seconds will unlock the device. If you have chosen U->D->U->D, pressing the buttons **UP/DOWN/UP/DOWN** will unlock the device.
06) If you have chosen Lock, press the **SET** button to open the submenu.
07) Press the **UP/DOWN** buttons to choose between On and Off and confirm it with the **SET** button. If you have chosen On, after 35 seconds the device will be in Lock mode. To unlock, enter the password set in Key Lock Mode (see Step 5 for more information). If you have chosen Off, the main menu will remain unlocked. When unlocked, pressing **MODE** and **SET** simultaneously will lock the device.

6.6. Factory

With this menu, you can reset to the default settings.

01) While in Settings menu, press the **UP/DOWN** buttons to choose Factory.
02) Press the **SET** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired option.
04) You can choose between Yes and No.
05) If you have chosen Yes and confirm it with the **SET** button, the device will be reset to default settings.
06) The device will return to the built-in Auto program.

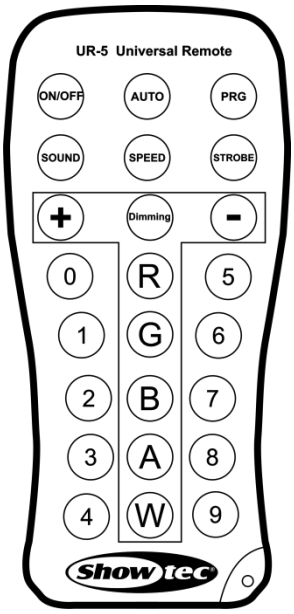
7. Information

With this menu you can view the currently installed software version, temperature and device code.



01) While in main menu, press the **UP/DOWN** buttons to choose Information.
02) Press the **SET** button to open the menu.
03) You can now view the currently installed software version, temperature, life time and device code.

Optional remote control



Button	Function	Description
ON/OFF	On / Off	Switch the device ON or OFF
AUTO	Auto	Activates the Auto program
PRG	Program	Activates the Built-in programs
SOUND	No function	
SPEED	Speed	Activates the Program speed mode
STROBE	Strobe	Activates the Strobe frequency mode
Dimming	Dimming	Activates the Manual Color mode
+	Plus	Increase button
-	Minus	Decrease button
R	Red	Activates the Red color
G	Green	Activates the Green color
B	Blue	Activates the Blue color
A	No function	
W	White	Activates the White color
0	Color 10	Activates color 10 (R000, G255, B000, W050)
1	Color 8	Activates color 8 (R255, G255, B000, W255)

Button	Function	Description
2	Color 9	Activates color 9 (R000, G255, B000, W150)
3	Color 6	Activates color 6 (R255, G255, B000, W000)
4	Color 15	Activates color 15 (R000, G255, B255, W075)
5	Color 11	Activates color 11 (R000, G255, B000, W000)
6	Color 12	Activates color 12 (R000, G255, B050, W000)
7	Color 13	Activates color 13 (R000, G255, B150, W000)
8	Color 7	Activates color 7 (R255, G255, B000, W075)
9	Color 14	Activates color 14 (R000, G255, B255, W000)

Auto program

01) Press the AUTO button to activate Auto program.
02) The Cameleon Flood will immediately start with its built-in program.

Built-in programs

01) Press the PRG button to activate the Built-in programs mode.
02) Press the + and - buttons to choose between program 01-16.
03) If you choose program 01, you can set the desired color preset with the buttons 0 - 9.
04) Press the STROBE button to set the strobe frequency of the preset colors.
05) Press the + and - buttons to increase/decrease the strobe frequency. The adjustment range is between 0-15Hz, from OFF to high strobe frequency.
06) If you choose program 02-16, you can set the program speed and strobe frequency.
07) Press the SPEED button to set the program speed.
08) Press the + and - buttons to to increase/decrease the program speed. The adjustment range is between 01-100.
09) Press the STROBE button to set the strobe frequency.
10) Press the + and - buttons to increase/decrease the strobe frequency. The adjustment range is between 0-15Hz, from OFF to high strobe frequency.

Manual Color mode

01) Press the Dimming button to activate the manual mode.
02) Press the R, G, B or W button to choose one of the RGBW colors.
03) Press the + and - buttons to set the intensity of the individual colors between 0-255.
04) In this mode you can create your desired color.

DMX Channels

4 DMX Channels

Channel 1 – Red Dimmer intensity	
0-255	Gradual adjustment Red from 0-100%
Channel 2 – Green Dimmer intensity	
0-255	Gradual adjustment Green from 0-100%
Channel 3 – Blue Dimmer intensity	
0-255	Gradual adjustment Blue from 0-100%
Channel 4 – White Dimmer intensity	
0-255	Gradual adjustment White from 0-100%

6 DMX Channels

Channel 1 – Master Dimmer intensity	
0-255	Gradual adjustment, from dark to brightest 0-100%
Channel 2 – Linear strobe (CH1, CH3, CH4, CH5 or CH6 must be set between 1-255 ⚠)	
0-10	Closed
11-255	Strobe flash frequency, from slow to fast (0-15 Hz)
Channel 3 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Red from 0-100%
Channel 4 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Green from 0-100%
Channel 5 – Blue Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Blue from 0-100%
Channel 6 – White Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment White from 0-100%

10 DMX Channels

Channel 1 – Master Dimmer intensity	
0-255	Gradual adjustment, from dark to brightest 0-100%
Channel 2 – Linear strobe (CH1, CH7, CH8, CH9 or CH10 must be set between 1-255 and CH4 between 8-255 and CH5 between 16-255 ⚠)	
0-10	Closed
11-255	Strobe flash frequency, from slow to fast (0-15 Hz)
Channel 3 – Pulse strobe (CH1, CH8, CH9, CH10 or CH11 must be set between 1-255 and CH4 between 8-255 and CH5 between 16-255 ⚠)	
0-10	Closed
11-255	Pulse strobe flash, from slow to fast

Channel 4 – Color presets (CH1 must be set between 1-255 ⚠)

0-7	No function
8-13	Color 1 (R255, G000, B000, W000)
14-20	Color 2 (R255, G000, B000, W100)
21-27	Color 3 (R255, G000, B000, W200)
28-34	Color 4 (R255, G050, B000, W000)
35-41	Color 5 (R255, G150, B000, W000)
42-48	Color 6 (R255, G255, B000, W000)
49-55	Color 7 (R255, G255, B000, W075)
56-62	Color 8 (R255, G255, B000, W255)
63-69	Color 9 (R000, G255, B000, W150)
70-76	Color 10 (R000, G255, B000, W050)
77-83	Color 11 (R000, G255, B000, W000)
84-90	Color 12 (R000, G255, B050, W000)
91-97	Color 13 (R000, G255, B150, W000)
98-104	Color 14 (R000, G255, B255, W000)
105-111	Color 15 (R000, G255, B255, W075)
112-118	Color 16 (R000, G255, B255, W150)
119-125	Color 17 (R000, G100, B255, W255)
126-132	Color 18 (R000, G000, B255, W100)
133-139	Color 19 (R000, G000, B255, W050)
140-146	Color 20 (R000, G000, B255, W000)
147-153	Color 21 (R075, G000, B255, W000)
154-160	Color 22 (R160, G000, B255, W000)
161-167	Color 23 (R255, G000, B255, W000)
168-174	Color 24 (R255, G000, B175, W000)
175-181	Color 25 (R255, G000, B100, W000)
182-188	Color 26 (R255, G000, B100, W050)
189-195	Color 27 (R255, G000, B025, W050)
196-202	Color 28 (R255, G000, B025, W025)
203-209	Color 29 (R255, G000, B025, W000)
210-216	Color 30 (R000, G000, B000, W255)
217-223	Color 31 (R075, G075, B000, W255)
224-230	Color 32 (R000, G000, B100, W255)
231-255	Color 33 (R255, G255, B255, W255)

Channel 5 – Built-in programs (CH1 must be set between 1-255 and CH6 between 0-255 ⚠)

0-15	No function
16-31	Jump 1
32-47	Jump 2
48-63	Jump 3
64-79	Jump 4
80-95	Jump 5
96-111	Jump 6
112-127	Jump 7
128-143	Jump 8
144-159	Fade 1
160-175	Fade 2
176-191	Fade 3
192-207	Fade 4
208-223	Fade 5
224-239	Fade 6
240-255	Fade 7

Channel 6 – Auto speed (CH5 must be set between 41-255 ⚠)	
0-255	Speed adjustment, from slow to fast

Channel 7 – Red Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Red from 0-100%

Channel 8 – Green Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Green from 0-100%

Channel 9 – Blue Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment Blue from 0-100%

Channel 10 – White Dimmer intensity (CH1 must be set between 1-255 ⚠)	
0-255	Gradual adjustment White from 0-100%

Maintenance

The operator has to make sure that safety-related and machine-technical installations are inspected by an expert after every year in the course of an acceptance test.
The operator has to make sure that safety-related and machine-technical installations are inspected by a skilled person once a year.

The following points have to be considered during the inspection:
01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
02) There may not be any deformations on housings, fixations and installation spots.
03) Mechanically moving parts like axles, eyes and others may not show any traces of wear.
04) The electric power supply cables must not show any damage or material fatigue.

The Cameleon Flood 6 Q4 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
The front lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly.
Keep connections clean. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found.

No Light

If the light effect does not operate properly, refer servicing to a technician.
Suspect three potential problem areas as: the power supply, the LEDs, the internal fuse.
01) Power supply. Check that the unit is plugged into an appropriate power supply.
02) The LEDs. Return the Cameleon Flood to your Showtec dealer.
03) The internal fuse. Return the Cameleon Flood to your Showtec dealer.
04) If all of the above appears to be O.K., plug the unit in again.
05) If you are unable to determine the cause of the problem, do not open the Cameleon Flood, as this may damage the unit and the warranty will become void.
06) Return the device to your Showtec dealer.

No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

01) Check the DMX setting. Make sure that DMX addresses are correct.
02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Problem	Probable cause(s)	Solution
One or more fixtures do not function at all	No power to the fixture	• Check if power is switched on and cables are plugged in
	Internal fuse blown	• Return the Cameleon Flood to your Showtec dealer
Fixtures reset correctly, but all respond erratically or not at all to the controller	The controller is not connected	• Connect controller
	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed)	• Install a phase reversing cable between the controller and the first fixture on the link
Fixtures reset correctly, but some respond erratically or not at all to the controller	Poor data quality	• Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link
	Bad data link connection	• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	• Insert termination plug in output jack of the last fixture on the link
	Incorrect addressing of the fixtures	• Check address setting
	One of the fixtures is defective and disturbs data transmission on the link	• Bypass one fixture at a time until normal operation is restored: unplug both connectors and connect them directly together. • Have the defective fixture serviced by a qualified technician
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically
No light or LEDs cuts out intermittently	Fixture is too hot	• Allow the fixture to cool down • Clean the fan • Make sure air vents in control panel and the front lens are not blocked • Turn up the air conditioning
	LEDs damaged	• Disconnect the fixture and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	• Disconnect fixture. Check settings and correct if necessary

Product Specifications

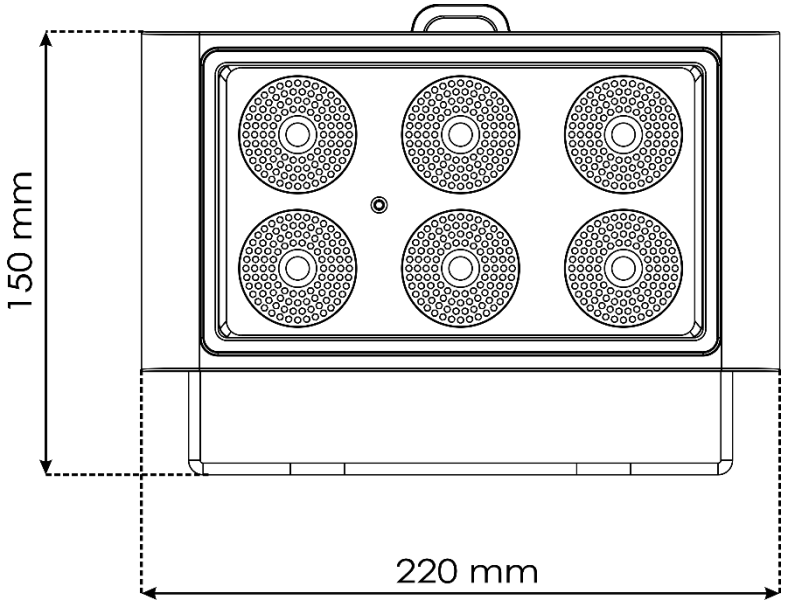
Model:	Showtec Cameleon Flood 6 Q4
Input Voltage:	100-240 VAC, 50/60Hz
Power consumption:	60W @FO
Power linking @120V:	15 units
Power linking @230V:	30 units
Drive current:	350mA
Refresh rate:	1220Hz
Protection rate:	IP-65
Dimensions:	220 x 90 x 150 mm (LxWxH incl. bracket)
Weight:	3,0 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	4, 6 or 10 Channels
Signal input:	3-pin DMX IN IP65
Signal output:	3-pin DMX OUT IP65
Electro-mechanical effects:	
Light source:	6x 5W 4-in-1 RGBW ProLight Opto Hornet Series
Lux @2m:	Red: 324 Lumen Green: 754 Lumen Blue: 124 Lumen White: 579 Lumen Full Output: 1337 Lumen
Beam angle:	39°
Max. distance:	10m
Colour range:	16,7 million additive colors RGBW Colormixing
Lens Plate:	Tempered Glass
Connections:	Dedicated Power cable IP-65 IN/OUT & Data IP-65 IN/OUT
Dimmer:	0-100%
Strobe:	0-15Hz
Control:	DMX / Auto Program / Built-in programs / Master-slave/ Manual
Cooling:	Convection (no fans)
Housing:	Die-cast Black Aluminum
Max. ambient temperature t_a:	40°C
Max. housing temperature t_B:	80°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1 m

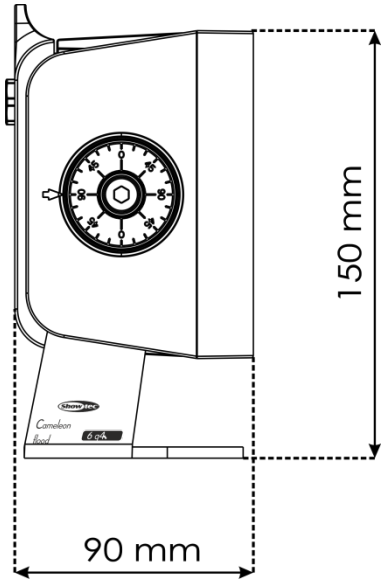
Design and product specifications are subject to change without prior notice.

CE

Website: www.Showtec.info
Email: service@highlite.com

Dimensions





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