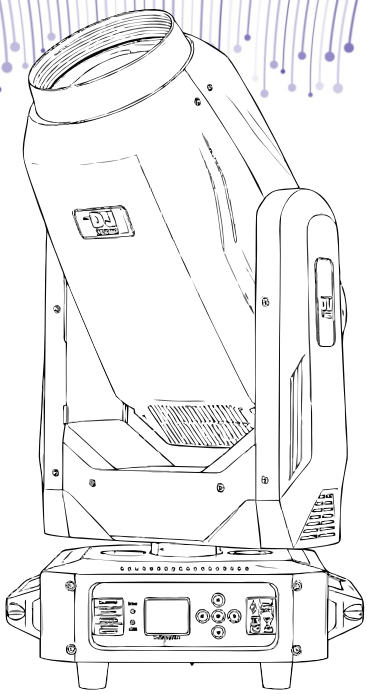
series DJ by FLASH



USER MANUAL

CHAMELEON 300

F7100812

1. INTRODUCTION

THANK YOU FOR PURCHASING THE **FLASH DJ CHAMELEON 300**. FOR YOUR SAFETY AND TO ENSURE RELIABLE OPERATION AND THE BEST POSSIBLE PERFORMANCE, PLEASE READ THIS MANUAL CAREFULLY.

2. SAFETY RULES

□ Installation should be carried out by qualified personnel to minimize the risk of accidental electric shock.
□ Before installing the device, it should be disconnected from the power supply.
□ Before connecting the device to the power supply, check for any mechanical damage. If there are any signs of damage, please contact the distributor immediately. Do not connect the device to the electrical network.
□ The device should not be used in high humidity conditions or at temperatures above 40°C.
□ To avoid damage, do not use organic solvents to clean the device's casing.
□ The device should be installed on stable structures.
The device should be installed in a well-ventilated room, at least 15 cm away from the nearest surface (walls, ceiling, etc.). Additionally, ensure that the ventilation openings are not blocked and that the fans are functioning properly.
□ This lamp is intended for professional use only.
□ Do not place the product in a location that is prone to looseness or vibrations.
□ If the lamp is not functioning properly during use, it should be immediately discontinued.
□ During the use of the bulb, the supply voltage should not exceed ± 10%. If the voltage is too high, the lifespan of the bulb will be reduced. If the voltage is too low, the color of the light emitted by the bulb will be distorted.
□ After a power interruption, the lamp needs 20 minutes to cool down completely before it can be turned on again.
□ The rotating parts of the lamp and the mounting elements must be regularly checked.
□ To ensure proper use of this product, please read the instructions carefully.

WARNING

WARNING! The LED moving head features a strong "pan" rotation motor. The reaction to torque when the head is suddenly panned can cause the base to move if the device is not secured on the surface. Do not turn on the power to the head unless the base is securely attached to the surface or secured with a safety cable.

WARNING! Use 2 clamps (1/4 fastener) to secure the device. Do not suspend the device using only one clamp. Lock each clamp with 1/4-turn connectors. Connectors are locked only after being turned a full 90° clockwise.

WARNING! When mounting the device to a truss or other structure at an angle other than with the yoke hanging vertically down, two Quick Half Coupler clamps must be used. Do not use clamps that do not fit the structure after being mounted.

WARNING! Position or dim the head so that the front lens is not exposed to direct sunlight or other strong light sources at any angle — even for a few seconds. See figure 1. The head's lens can focus sunlight, creating a potential fire hazard and causing damage. **IMPORTANT!** Do not direct a strong beam of light from other devices towards the head, as intense lighting may damage the display.

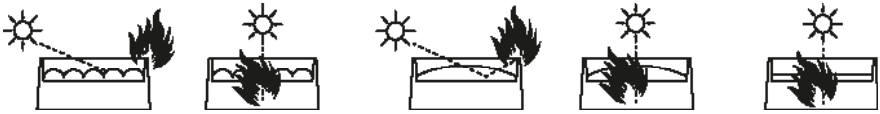


Figure 1. Lenses can focus sunlight and strong light, creating a risk of fire and damage to the device. If necessary, the head should be shielded or covered.

3. PRODUCT INFORMATION

□ Light source: LED 250W
□ Power consumption: 300W
□ Supply voltage: 90-240V, 50/60Hz AC
□ Range PAN: 540° (8 bit)
□ Range TILT: 270° (8 bit)
□ Beam angle: (min./maks.): 4°-40°
□ Color wheel: 6 + Open / CMY / CTO / Rainbow
□ Zoom: Yes (8 bit)
□ Focus: Electronic (8 bit)
□ Gobo wheel: 5 + White / 7 Roto
□ Pryzmat: Yes (4 - Range)
□ Strobe frequency: min./maks.: 0-20Hz
□ Operating modes: DMX 512, Sound control, Auto control, Master-slave, CRMX, RDM
□ Filtr Frost: Yes
□ Number of modes: 1
□ Number of channels: 23
□ IP rating: Ip20
□ Housing: ABS
□ Display: LCD
□ Cooling: active
□ AC IN/OUT: PowerCON
□ 3-pin DMX XLR input/output
□ Net weight: 16,2 kg
□ Dimensions: 33x25x62cm

4. INSTALLATION

After removing the device from the packaging, check for any damage that may have occurred during transport. Before connecting to the power supply, ensure that the device is securely mounted. The manufacturer is not responsible for damages caused by unstable mounting of the device.

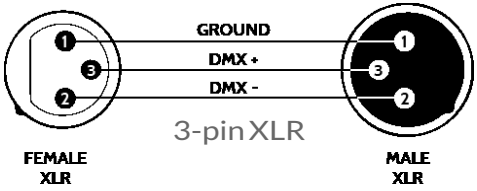
When using the device, ensure it is properly connected to the power supply and correctly grounded. Make sure that the electrical network parameters comply with the device's requirements. All actions involving connecting the device to the power supply should be performed by qualified personnel.

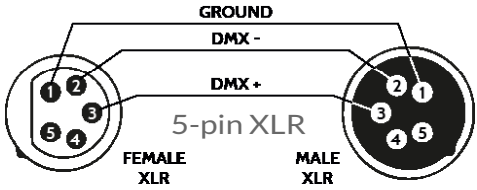
5. CONNECTIONS

The device is equipped with the following interfaces:
1. DMX (input/output) – connectors: 3-pin XLR
2. Power (input/output) – connector: PowerCON

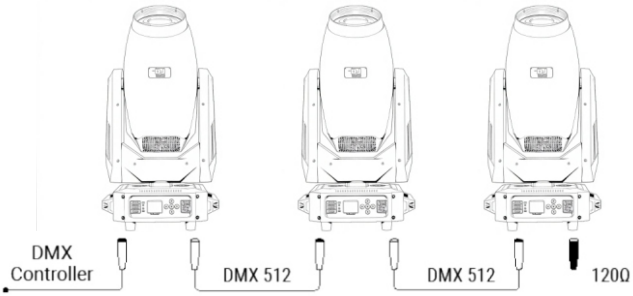
5.1 DMX Signal Connection

The connection is made using a cable with XLR-Female -> XLR-Male connectors.





CAUTION! The last device in the DMX chain must be terminated. Solder a 120Ω resistor between the signal (-) and the signal (+) in the XLR connector and connect it to the DMX output of the last device.



5.2 Power Supply Specification

Supply Voltage	Power Consumption	Power Frequency
90~240V AC	300W	50/60Hz

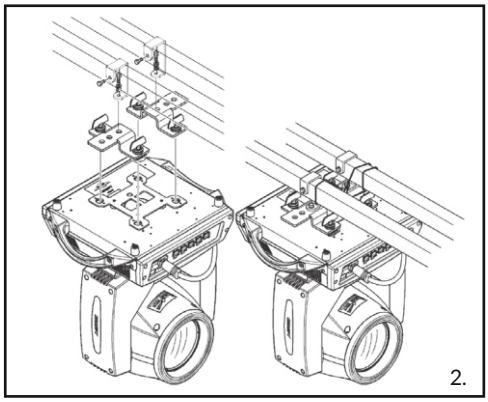
5.3 Power Connection

The connection is made using a cable with an electrical plug on one end and a PowerCON plug on the other end (included in the package). The device must be operated by qualified technical personnel. It is essential to ensure that the power supply parameters of the electrical network comply with the device's specifications and that the limits for power consumption from the network are not exceeded.

WARNING! In case of cable damage, do not attempt to repair it yourself. Replacement or repair can only be performed by the manufacturer's service or by a qualified person with the appropriate credentials. When using the lamp, the change rate of the supply voltage should be within ±10%, if the voltage is too high, it will shorten the life of the lamp; if not enough, the lamp will be dark.

5.4 Device Installation

- The lamps can be positioned horizontally, at an angle, or suspended upside down. Care should be taken with the installation method when hanging at an angle or upside down.
- As shown in Figure 2, ensure the stability of the installation location before placing the lamp.
- During upside -down installation, the lamp must not fall onto the support frame, and a safety cable should be routed through the support frame and the lamp's bracket for auxiliary suspension to ensure safety. Measures should be taken to prevent the lamp from falling or slipping.
- After installing and adjusting the lamp, do not allow pedestrians to pass underneath it. Periodically check that the safety cable is not frayed and that the clamp screw is not loose.
- Our company is not responsible for any consequences resulting from the falling of the lamp due to unstable installation.

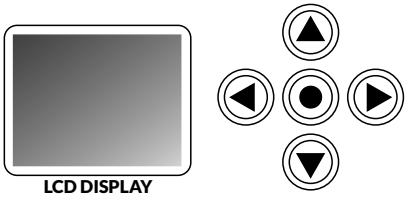


2.

6. CALCULATING THE ADDRESS

Method of calculating the initial address code of the lamps:
1. The initial address code of the current lamp is equal to (the initial address code of the previous lamp) + (number of channels of the lamp). The initial address code of the first lamp is A001.
2. The basic number of channels of the controller should be greater than or equal to the total number of channels used by the lamp.
3. Note: When using any controller, each lamp should have its own initial address code. If the initial address code of the first lamp is set to A001 and the number of channels of the lamp is 23CH, then the initial address code of the second lamp should be set to A024; the initial address code of the third lamp is set to A047; and so on. (This setting mode must also be established depending on different consoles).

7. OPIS KLAWISZY



Arrow Up	UP
Arrow Down	Down
Arrow Left	Left / Return
Arrow Right	Right
Middle button OK	Confirm button

Display / Screen Saver
Mode 1 – display off
Mode 2 – shows address and error information
Mode 3 – shows Flash DJ logo
Mode 4 – shows Flash DJ logoOff – screen saver disabled (display always on)

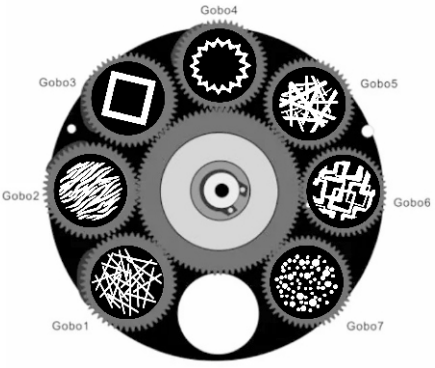
DMX Indication
Mode 1 – the DMX LED stays on when a signal is received
Mode 2 – the DMX LED remains off
Mode 3 – the DMX LED flashes when a signal is received

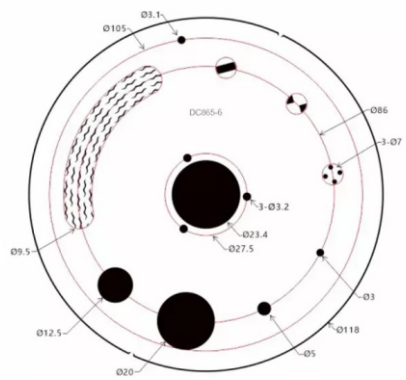
8. CRMX COMMUNICATION

The Chameleon 300 is equipped with a wireless communication module for transmitting DMX signals from the lighting console.

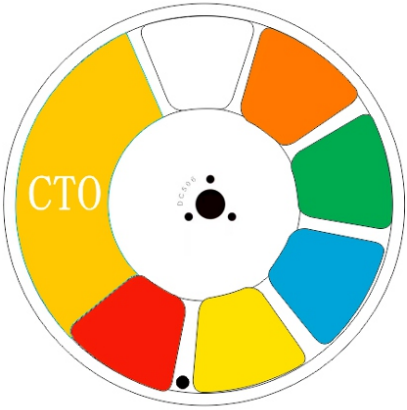
To connect to CRMX, go to ADVA / Wireless Rst / Sure. Then perform the pairing process using the CRMX transmitter by pressing the Link button and waiting a few seconds.

9. GOBO WHEEL SCHEMATIC





10. COLOR WHEEL SCHEMATIC





11. DMX CHANNELS

23ch					
Ch	Function	Value	Description	Default	Highlight / locate
1	Color wheel	0-4 5–9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-160 161-164 165-255	Open White/red Red Red/yellow Yellow Yellow/blue Blue Blue/green Green Green/orange Orange Orange/magenta Magenta Magenta/CTO Color wheel spin < Color wheel spin >< Color wheel spin >	0	0
2	Dimmer	0-255		0	255
3	Shutter	0-3 4-103 104-107 108-155 156-212	Closed Strobe 1-20Hz Open Pulse open Open	255	255

		213-251 252-255	Random strobe Open		
4	Gobo 1	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-139 140-202 203-255	Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo animation Open shake Gobo 1 shake Gobo 2 shake Gobo 3 shake Gobo 4 shake Gobo 5 shake Animation Gobo wheel spin < Gobo wheel spin >	0	-
5	Gobo 2	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-119 120-185	Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 1 shake Gobo 2 shake Gobo 3 shake Gobo 4 shake Gobo 5 shake Gobo 6 shake Gobo 7 shake Gobo wheel spin <	0	-

		186-189 190-255	Gobo wheel spin >< Gobo wheel spin >		
6	Gobo 2 rot	0-32767 32768-48895 48896-49407 49408-65535	Index Gobo Rot < Gobo Rot >< Gobo Rot >	0	-
7	Gobo 2 rot fine	0-255		0	-
8	Frost	0-127 128-255	No frost Frost	0	-
9	Macro	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-143 144-159 160-191 192-207 208-223 224-255	No macro Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13	0	-
10	Pan	0-255		128	-
11	Pan fine	0-255		128	-
12	Tilt	0-255		128	-
13	Tilt fine	0-255		128	-

14	P/T speed	0-255		0	-
15	Prism 4 circle	0-127 128-255	No prism Prism	0	-
16	Prism rot	0-127 128-187 188-195 196-255	Index Prism rot < Prism rot >< Prism rot >	0	-
17	Zoom	0-255		0	-
18	Focus	0-255		0	-
19	Cyan	0-255		0	0
20	Magenta	0-255		0	0
21	Yellow	0-255		0	0
22	CTO	0-255		0	0
23	Control	0-239 240-255	No function Reset	0	-



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