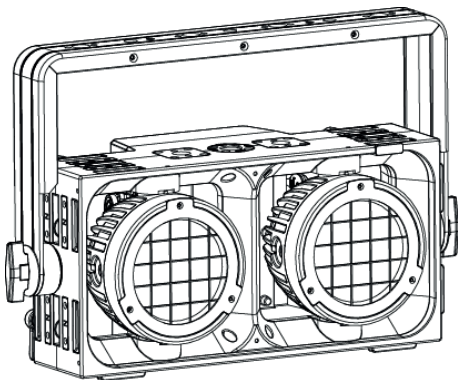




TRITON BLUE

# HELIOS 600 IP65

COMBINED MATRIX MAGNETIC BLINDER



## MANUAL DE USUARIO USER'S MANUAL

Este manual contiene información importante: léalo antes de poner el dispositivo en funcionamiento.

This manual contains important information: read it before operating the device.



MADE IN PRC

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[www.triton-blue.com](http://www.triton-blue.com)  
VERSION 1 - OCT 2024

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## ENGLISH

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## WELCOME TO TRITON BLUE

Thank you very much for choosing Triton Blue. We hope you enjoy your new product.

It has been developed and designed paying attention to the smallest details, with quality control with European standards supervised by our great team of professional technicians, who work every day to offer our customers the best quality.

We make sure that every Triton Blue product is built to last long. All our references are made with long lasting materials and our specialists are dedicated to constantly doing quality controls to guarantee the best result.

Please read carefully this manual in order to use your Triton Blue product in the best way. Do not hesitate to visit our website for further information: [www.triton-blue.com](http://www.triton-blue.com)

## SAFETY INSTRUCTIONS

### GENERAL INFORMATION

- It is important to read and follow the instructions carefully.
- Keep all information and instructions in a secure location.
- Always follow the instructions provided.
- Take note of all safety warnings and never remove them from the equipment.
- Use the equipment only as intended and for its intended purpose.
- Ensure that the stands and/or mounts used are sufficiently stable and compatible for fixed installations. Wall mounts should be properly installed and secured, and the equipment should be installed securely to prevent falls.
- When installing the equipment, be sure to observe the relevant safety regulations in your country.
- Do not install or operate the equipment near sources of heat, such as radiators, heat registers, or ovens, and ensure that it is always cooled sufficiently and cannot overheat.
- Do not place sources of ignition, such as burning candles, on the equipment.
- Keep ventilation slits unobstructed.
- For equipment designed for indoor use only should not be used near water, flammable materials, fluids, or gases. Special outdoor equipment should be used in accordance with the manufacturer's instructions.
- Ensure that no dripping or splashed water can enter the equipment and do not place containers filled with liquids on the equipment.
- Prevent objects from falling into the equipment.
- Use the equipment only with recommended accessories intended by the manufacturer.
- Do not attempt to open or modify the equipment.
- Check all cables after connecting the equipment to prevent accidents or damage due to tripping hazards.
- During transport, take steps to prevent the equipment from falling and causing damage or injury.
- If the equipment is not functioning properly, fluids or objects have gotten inside, or is otherwise damaged, switch it off immediately and unplug it from the power outlet (if applicable). Only authorized, qualified personnel should repair the equipment.
- Clean the equipment with a dry cloth.
- Comply with all applicable disposal laws and separate plastic and paper/cardboard during packaging disposal.
- Keep plastic bags out of the reach of children.

**FOR DEVICES DESIGNED TO BE CONNECTED TO THE MAIN POWER SUPPLY:**

- **ATTENTION:** If your equipment has a power cord with a grounding plug, it must be connected to a wall outlet with a ground connection. Never remove the grounding plug from the power cord.
  - If your equipment has been exposed to extreme temperature changes, allow it to reach room temperature before turning it on. Otherwise, moisture and condensation may damage the equipment.
  - Before plugging in the equipment, make sure that the voltage and frequency of the power outlet match the specifications of the equipment. If the equipment has a voltage selector, only connect it to the power outlet if the values match. If the power cord or adapter does not fit your outlet, contact an electrician.
  - Do not step on the power cord. Make sure it is not pinched at the outlet, adapter, or equipment connection.
  - Keep the power cord or adapter within reach and disconnect the equipment from the power supply when not in use or when cleaning it. Always unplug the cord or adapter by pulling the plug or adapter, not the cord. Never touch the cord or adapter with wet hands.
  - Avoid frequently turning the equipment on and off, as this can reduce its useful life.
  - **IMPORTANT:** Only replace fuses with those of the same type and rating. If a fuse repeatedly blows, contact an authorized service center.
  - To completely disconnect the equipment from the power mains, unplug the power cord or adapter from the outlet.
  - If your device has a Volex power connector, the mating Volex connector must be unlocked before it can be removed. Be careful when laying cables, as the equipment can slide or fall if the power cord is pulled.
  - Unplug the power cord or adapter before an extended period of disuse or in case of lightning strike risk.
  - Only install the equipment when it is disconnected from the power source.
  - To prevent damage and overheating, qualified personnel should regularly clean and service the equipment depending on ambient conditions like dust, nicotine, and fog.
- If the product contains the following symbols, please, read carefully:



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



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



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

**IMPORTANT INFORMATION****WARNING! IMPORTANT INFORMATION REGARDING LIGHTING PRODUCTS**

1. This product is specifically designed for use in event technology and is not intended to be used as household lighting.
2. It is important to avoid looking directly at the light beam, even for a short period of time.
3. Optical instruments, such as magnifiers, should not be used to look directly at the beam.
4. If you are sensitive to strobe effects, it is possible that they could cause an epileptic seizure. If you have epilepsy, it is important to avoid places where strobe lights are being used.

## PACKAGE CONTENT

- 1 x Helios 600 IP65
- 1 x European waterproof power cord
- 1 x User's manual

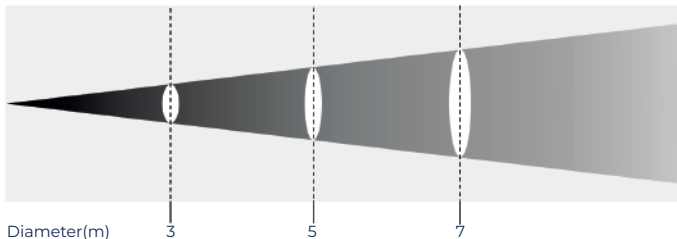
## TECHNICAL SPECIFICATION

### Optical parameters

- Light source: 2x 300W Red, Green, Blue, Amber, Warm-White
- Illumination: ALL: 26000Lux@1m, ALL: 3400Lux@3m, ALL: 1500Lux@5m
- Color temperature: WW: 2000K-10000K ( $\pm 100K$ )
- Optical systems: A reflector with a compound eye lens
- Color rendering index:  $Ra \geq 86$
- Main wavelength: R630nm/G529nm/B461nm/A115nm
- Light source life: 50000hours
- Beam angle (50%):  $50^\circ$
- Maximum angle (10%):  $87^\circ$
- Pixel matrix: Point Control/overall control
- Strobe: 0~20Hz

### ILLUMINATION DIAGRAM

Beam Angle:  $50^\circ$



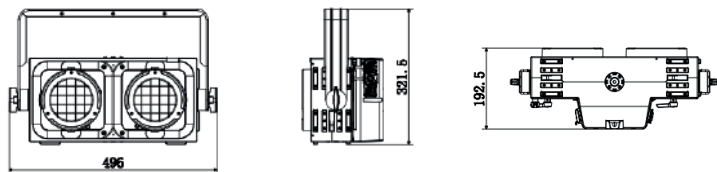
|                  |      |      |     |
|------------------|------|------|-----|
| Diameter(m)      | 4008 | 1530 | 850 |
| Spot diameter(m) | 5    | 7    | 10  |

### Power supply parameters

- Input voltage and frequency: 100~240VAC , 50~60Hz
- Power connection: Waterproof power line input/output, the maximum number of connections 6@230V
- Signal connection: 5-core waterproof signal transfer line input/output, the maximum number of connections 32
- Constant power: 220W
- Maximum power: 610W
- Power factor: 0.95/230V
- Working Environment:  $-20 \sim 45^\circ\text{C}$

**Structure parameters**

- Size: 400\*200\*192.5mm
- Net Weight: 10.3 kg
- Protection level: IP65
- Cooling system: Fan cooling
- The shell: Die-cast aluminum, black
- Installation mode: Flat ground, vertical hanging, side hanging

**Control**

- Control mode: DMX512/Wired RDM
- DMX Access: 1CH DWE, 2CH DWE, 4CH DWE, 9CH DWE+, 6CH STROBE, 6CH RGB, 10CH BASIC RGB, 14CH BASIC RGB, 13CH STANDARD RGB, 22CH STANDARD RGB, 24CH EXTENDED RGB, 33CH EXTENDED RGB, 10CH DIRECT, 12CH DIRECT, 17CH DIRECT, 28CH DIRECT, 41CH DIRECT
- Display: The OLED display has four touch buttons
- Refresh rate: 800Hz/1200Hz/2000Hz/3600Hz/12000Hz/25000Hz
- Dimmer delay: LED/Medium/Halogen
- Dimming curve selection: Linear /Exponential/Logarithmic/S-Curve

## DATA SHEET

## GENERAL INFO

|             |                 |
|-------------|-----------------|
| Brand       | Triton Blue     |
| Model Name  | Helios 600 IP65 |
| Code Number | 10297858        |
| EAN Number  | 7427254442814   |

## LIGHT SOURCE

|                          |                                                |
|--------------------------|------------------------------------------------|
| Source                   | 2x 300W Red, Green, Blue,<br>Amber, Warm-White |
| CCT                      | 2000k-10000k                                   |
| Lux                      | 1500Lux@5m (50°)                               |
| Source Life Expectancy   | 50000H                                         |
| Optical aperture degrees | 50°                                            |

## COLOUR SYSTEM

|               |        |
|---------------|--------|
| Colour Mixing | RGBAWW |
|---------------|--------|

## BODY

|             |                   |
|-------------|-------------------|
| Body        | Die-cast aluminum |
| Body Colour | Black             |

## NOISE LEVEL

|                  |     |
|------------------|-----|
| Auto Fan Mode    | Yes |
| Theatre Fan Mode | Yes |

## CONTROL

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Protocols        | DMX512/RDM                                                                                      |
| DMX Channels     | 1/2/4/6/STROBE/6RG-<br>B/10/13/14/22/24/10 DIERCT/12<br>DIRECT/17 DIRECT/28<br>DIRECT/41 DIRECT |
| Wireless Control | No                                                                                              |
| RDM              | Yes                                                                                             |
| Display          | OLED                                                                                            |
| Display Invert   | Yes                                                                                             |
| Firmware Upgrade | USB                                                                                             |

## ELECTRONICS

|                  |                                                            |
|------------------|------------------------------------------------------------|
| Dimmer FREQUENCY | 800/1200/2000/3600/12000/<br>25000 HZ                      |
| Dimmer Curves    | 4 MODOS DIMMER<br>LINEAL/SQUARE<br>LAW/LOGARITMICO/S-CURVE |

## ELECTRICAL

|                       |                     |
|-----------------------|---------------------|
| Mains Power Supply    | 100~240VAC, 50~60Hz |
| Max Power Consumption | 610W                |
| Output (at 230V)      | 610W                |
| Power Factor          | 0.95 @230V          |

## PHYSICAL

|                       |                                                |
|-----------------------|------------------------------------------------|
| IP Rating             | IP65                                           |
| Cooling               | Low noise fans                                 |
| Suspension and Fixing | Flat ground, vertical<br>hanging, side hanging |
| Signal Connection     | IP DMX IN/OUT                                  |
| Data Connection       | IP DMX IN/OUT                                  |

|                           |                 |
|---------------------------|-----------------|
| Power Connection          | IP Power IN/OUT |
| Net Weight                | 8.84 KG         |
| Dimensions Master Carton  | 51*30*28cm      |
| QTY Master Carton         | 1               |
| Working temperature range | -20°C - 45°C    |

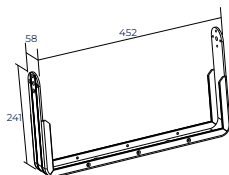
## CERTIFICATIONS / APPROVALS

|                |          |
|----------------|----------|
| Certifications | CE, RoHS |
|----------------|----------|

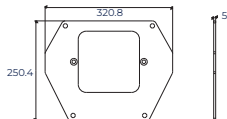
## ACCESSORIES

|                      |                                             |
|----------------------|---------------------------------------------|
| Accessories Included | PowerCOM TRUE, safety<br>rope, manual       |
| Accessories Optional | Transverse handle,<br>Baseboard, Flightcase |

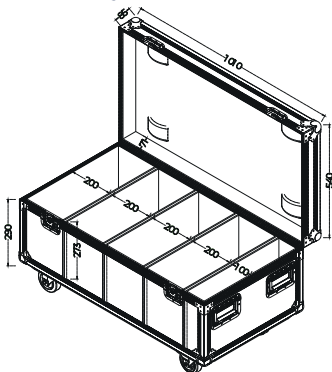
## TRANSVERSE HANDLE FOR HELIOS 600 IP65 AH600-001



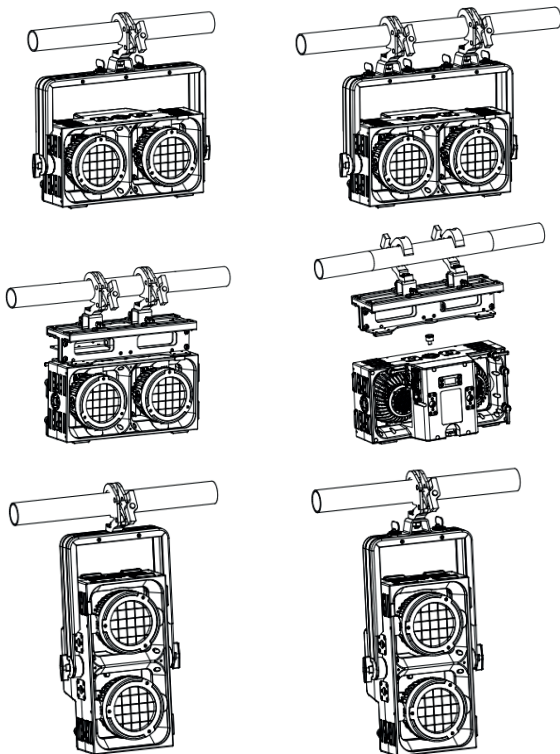
## BASEBOARD FOR HELIOS 600 IP65 AH600-002



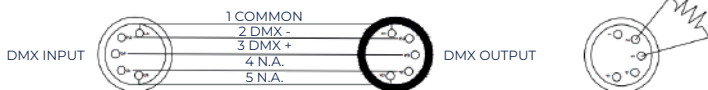
## Helios 600 FC Flightcase



## STRUCTURE AND INSTALLATION OF LAMPS AND LANTERNS



## DMX CONNECTION



- To reduce signal errors and avoid signal attenuation and interference during transmission, a 120 ohm 1/4W resistance can be added between the 2 and 3 cores of the DMX output terminal of the last machine.



- Connect the lamp with XLR signal line. One end is connected to the output of the lamp and the other end is connected to the input of the next lamp. Signal line can only be used in series, not parallel. Because DMX512 signal transmission speed is very fast, when the signal line damage, welding is not strong, poor contact, etc. , will affect the signal transmission, resulting in system shutdown.

- When the machine power supply of a unit is open, the connection between the output and input of DMX is by-pass in order to maintain the connection of DMX lines.

- Each lamp should have an address code that can receive messages from the console.

- DMX512 system terminals need to be equipped with a terminal to reduce signal transmission errors.

## DMX ADDRESS CONDE SETTINGS

| Access | Address  | The first address | The address of the second station | Channel 3 Address | Channel 4 Address |
|--------|----------|-------------------|-----------------------------------|-------------------|-------------------|
| 1CH    | 001-001  | 001               | 002                               | 003               | 004               |
| 2CH    | 001-002  | 001               | 003                               | 005               | 007               |
| 4CH    | 001-004A | 001               | 005                               | 009               | 013               |
| 6CH    | 001-005  | 001               | 006                               | 011               | 016               |
| 9CH    | 001-007  | 001               | 008                               | 015               | 022               |
| 10CH   | 001-010  | 001               | 011                               | 021               | 031               |
| 12CH   | 001-012  | 001               | 013                               | 025               | 037               |
| 13CH   | 001-013  | 001               | 014                               | 027               | 040               |
| 14CH   | 001-014  | 001               | 015                               | 029               | 043               |
| 17CH   | 001-017  | 001               | 018                               | 035               | 052               |
| 22CH   | 001-022  | 001               | 023                               | 045               | 067               |
| 24CH   | 001-024  | 001               | 025                               | 049               | 073               |
| 28CH   | 001-028  | 001               | 029                               | 057               | 085               |
| 33CH   | 001-033  | 001               | 034                               | 067               | 100               |
| 41CH   | 001-041  | 001               | 042                               | 083               | 124               |

(see above picture) number of lamps and lanterns added after no. 4; address code according to channel, in turn.

## CABLE CONNECTION



POWER IN



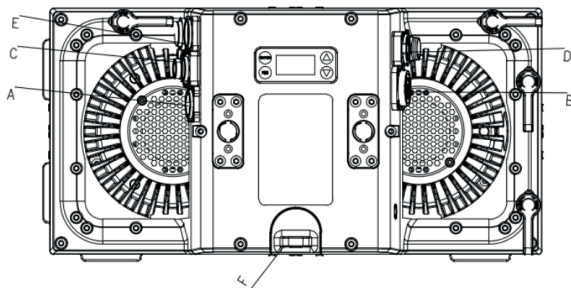
POWER OUT

Use this product power in/out  
Connect the power cord hand in hand  
Note: for power reasons, a 1.5 square power line  
Up to 6 sets (230V)



Do not connect a single power line too many lamps, or overload work.  
Do not use power cords with damaged insulation and do not place power cords over other conductors.  
Unplug the power cord when the lamp is not being used or cleaned.  
Do not yank or drag the power cord.

## DISPLAY CONTROL PANEL



- A: Power input  
 B: Power output  
 C: DMX input  
 D: DMX output  
 E: USB  
 F: safety hook

A. Power input: IP65 Waterproof POWER IN Power Cord Input Voltage: 100-240V 50/60HZ

B. Power output: IP65 Waterproof POWER OUT Power Cord Output voltage 100-240V 50/60HZ

C. DMX Input: IP65 5 cores DMX IN Waterproof signal line input

D. DMX Output: IP65 5 cores DMX OUT Waterproof signal line output

E. IP65 USB port for firmware updates

F. Safety Hook

The panel functions operate as shown in the table below:

| Function             | Description    | Functional description            | Effect                     |
|----------------------|----------------|-----------------------------------|----------------------------|
| ESC (Function Keys)  | Menu selection | Enter the menu selection function | Menu action                |
| ↑ (Up Key)           | up             | Go to the previous option         | Change parameter increase  |
| ↓ (Press the button) | down           | To the latter option              | Change parameter reduction |
| ENTER (Confirm key)  | Confirm        | Confirm the selected function     | Save the last parameter    |

## MAIN MENU

ENGLISH

ESPAÑOL

DMX

| First-class menu    | Secondary menu    | Third level menu          |
|---------------------|-------------------|---------------------------|
| 1.DMX Address       | 001-512           |                           |
|                     | Cancel            |                           |
| 2. DMX Channel mode | <u>definite</u>   |                           |
|                     | 1 CH DWE          |                           |
|                     | 2 CH DWE          |                           |
|                     | 4 CH DWE          |                           |
|                     | 9CH DWE+          |                           |
|                     | 6CH STROBE        |                           |
|                     | 6CH RGB           |                           |
|                     | 10CH BASIC RGB    |                           |
|                     | 14CH BASIC RGB    |                           |
|                     | 13CH STANDARD RGB |                           |
|                     | 22CH STANDARD RGB |                           |
|                     | 24CH EXTENDED RGB |                           |
|                     | 24CH EXTENDED RGB |                           |
|                     | 10CH DIRECT       |                           |
|                     | 12CH DIRECT       |                           |
|                     | 17CH DIRECT       |                           |
|                     | 28CH DIRECT       |                           |
|                     | 41CH DIRECT       |                           |
| 3. Stand Alone      | Stop Manual       |                           |
|                     | Auto FX           | Stop the built-in program |
|                     |                   | Built-in programs 1       |
|                     |                   | Built-in programs 2       |
|                     |                   | Built-in programs 3       |
|                     |                   | Built-in programs 4       |
|                     |                   | Built-in programs 5       |
|                     |                   | Built-in programs 6       |
|                     |                   | Built-in programs 7       |
|                     |                   | Built-in programs 8       |
|                     |                   | Built-in programs 9       |
|                     |                   | Built-in programs 10      |
|                     | Color Macro       | Turns off the color macro |
|                     |                   | Dimmer                    |
|                     |                   | Color Macro               |
|                     | Quick color       | Dimmer                    |
|                     |                   | Strobe                    |
|                     |                   | red                       |
|                     |                   | Green                     |
|                     |                   | Blue                      |
|                     |                   | Amber                     |
|                     | Color temperature | White                     |
|                     |                   | Dimmer                    |
|                     |                   | Strobe                    |
|                     |                   | Color temperature         |
|                     | Custom colors     | Red and green             |
|                     |                   | Color 1                   |
|                     |                   | Color 2                   |
|                     |                   | Color 3                   |
|                     |                   | Color 4                   |
|                     | Color settings    | Color 5                   |
|                     |                   | Calibration mode          |
|                     |                   | Solid color mode          |

|                         |                         |                                      |
|-------------------------|-------------------------|--------------------------------------|
| 4. (Language)           | Chinese                 |                                      |
|                         | English                 |                                      |
| 5. Slave mode           | Slave mode              |                                      |
| 6. LAMP settings        | Display settings        | Display reversal                     |
|                         |                         | The setting of extinguishing display |
|                         |                         | Automatic lock screen                |
|                         | Boot mode               | DMX                                  |
|                         |                         | Go By yourself                       |
|                         |                         | Quick Light                          |
|                         | Signal Holding          | Hold on                              |
|                         |                         | Black Field                          |
|                         |                         | All lit up                           |
|                         | Dimming curve           | Linear                               |
|                         |                         | Index                                |
|                         |                         | Logarithmic                          |
|                         |                         | S Curve                              |
|                         | Dimmer delay            | LED                                  |
|                         |                         | Medium                               |
|                         |                         | Halogen                              |
|                         | DTW                     | Close                                |
|                         |                         | Open                                 |
|                         | White balance           | White balance                        |
|                         |                         | User-defined                         |
|                         | Dimming frequency       | 800Hz                                |
|                         |                         | 1200Hz                               |
|                         |                         | 2000Hz                               |
|                         |                         | 3600Hz                               |
|                         |                         | 12000Hz                              |
|                         |                         | 25000Hz                              |
|                         | Fan mode                | Automatic                            |
|                         |                         | Be quiet                             |
|                         |                         | Close                                |
|                         | Lighting sequence       | Close                                |
|                         |                         | Open                                 |
|                         | Transport settings      | Carry DMX                            |
|                         |                         | Do not carry DMX                     |
|                         | Power setting           | Low power                            |
|                         |                         | High power                           |
|                         | USB                     | no                                   |
|                         |                         | yes                                  |
|                         | Factory setup           | Restore factory settings             |
|                         |                         | Restore user customization           |
|                         |                         | User-defined list                    |
| 7. Lighting information | Software version        | V1.0B                                |
|                         | Serial number           | 202311280001                         |
|                         | RDM Code name           | 0x099100000000                       |
|                         | Temperature information | LED1:000                             |
|                         |                         | LED2:000                             |
|                         | Power on time           | Total:0000hours                      |
|                         | Light up time           | LED1:0000hours                       |
|                         |                         | LED2:0000hours                       |
|                         | Error message           |                                      |

Notes:

1. Only one computer can be set as host in the same signal line. Please remove the DMX control signal when using host function.
2. The parameters that can be passed from the host include: DMX Channel Mode, display setting state, Operation Mode State (including user program data) when multiple lamps are controlled synchronously, please set this machine as host and others as slave.

## MAINTENANCE

In order to extend the service life of lamps and lanterns, the maintenance of lamps and lanterns is very necessary. If the outdoor environment is bad, or the lamps are placed for a long time, the water vapor and dust will accumulate in the lens cover, the lamp shell, etc. , at the same time also can prevent dust and acid gas on the shell caused by corrosion.

The frequency of cleaning depends on the frequency of operation and the surrounding environment. When cleaning with soft cloth and general glass cleaning products carefully wipe, recommended at least every 20 days to clean once.

Please do not use alcohol and other organic solvents to clean the lamp shell, so as not to cause damage.

## TROUBLESHOOTING

| Failure phenomenon                                | Cause of failure                                                                                                                                                                                                                                                                                                                                         | Method                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No menu display                                   | 1.No AC input<br>2.The switching power supply is damaged<br>3.Display panel failure                                                                                                                                                                                                                                                                      | 1.Check the power lines<br>2.Check the voltage output of the switching power supply<br>3.Replace the display panel                                                                                                                                                                                                           |
| Not getting a DMX signal                          | 1.DMX signal line failure<br>2.The wiring sequence of the signal line is wrong<br>3.Signal input received signal IC damage<br>4.DMX address code setting and console, the corresponding control does not match<br>5.Error setting other parameters<br>6.When you enter the menu, you don't press the confirm key or the ESC key to exit to the main menu | 1.Check or replace signal lines<br>2.Check the wiring order of the signal lines<br>3.Check whether the display panel signal accepts IC and the two resistors strung on the signal line are open<br>4.Check or reset the address code, or restore the factory settings and test again<br>5.Press ESC to exit to the main menu |
| The surface temperature of lamp body is over 75 ° | 1.LED lamp bead board thermistor failure<br>2.The temperature control circuit on the display board is out of order                                                                                                                                                                                                                                       | 1.Replace the thermistor<br>2.Check the temperature control circuit on the motherboard                                                                                                                                                                                                                                       |
| Cast light mixed color uneven, uneven color spots | 1.LED welding is not correct<br>2.The lens or bracket is not fitted properly                                                                                                                                                                                                                                                                             | 1.Check the welding of LED lamp bead<br>2.Inspect lens assembly process and adjust bracket assembly direction                                                                                                                                                                                                                |
| The leds are not bright or flicker a little       | LED damage or no current output drive board                                                                                                                                                                                                                                                                                                              | 1.Replace LED lamp beads<br>2.Replace damaged leds or check drive board wiring<br>3.Replace the corresponding driver IC                                                                                                                                                                                                      |
| Parameters are not saved                          | IC corruption for storing parameters                                                                                                                                                                                                                                                                                                                     | Replace the storage IC                                                                                                                                                                                                                                                                                                       |
| The whole lamp is energized and does not work     | When the temperature is too high, caused by temperature control protection, switching power supply overtemperature protection does not work                                                                                                                                                                                                              | Wait for the lamp body to cool before turning on                                                                                                                                                                                                                                                                             |

## DISPOSAL

ENGLISH

ESPAÑOL

DMX

**Packaging:**

1. The packaging can be recycled using standard disposal methods and reintroduced into the reusable material cycle.
2. Please follow the laws and regulations regarding disposal and recycling of packaging in your country.

**Device:**

1. This device is subject to the Waste Electrical and Electronic Equipment (WEEE) Directive of the European Union. Used appliances should not be disposed of with household waste. Used device must be disposed of through an approved disposal company or a municipal disposal facility. Please comply with the applicable regulations in your country.
2. Please follow all the disposal laws and regulations in your country.
3. As a customer, you can obtain information on environmentally-friendly disposal options from the product seller or the appropriate regional authorities.

**BIENVENIDO A TRITON BLUE**

Muchas gracias por elegir Triton Blue. Esperamos que disfrute de su nuevo producto. Ha sido desarrollado y diseñado cuidando hasta el más mínimo detalle, con un control de calidad con estándares europeos supervisado por nuestro gran equipo de técnicos profesionales, que trabajan día a día para ofrecer a nuestros clientes la mejor calidad.

Nos aseguramos de que cada producto Triton Blue esté diseñado para durar mucho tiempo. Todas nuestras referencias están fabricadas con materiales de larga duración y nuestros especialistas se dedican a realizar constantemente controles de calidad para garantizar el mejor resultado.

Lea atentamente este manual para utilizar su producto Triton Blue de la mejor manera. No dude en visitar nuestra web para más información: [www.triton-blue.com](http://www.triton-blue.com)

**INSTRUCCIONES DE SEGURIDAD****INFORMACIÓN GENERAL**

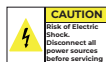
- Es importante leer y seguir las instrucciones cuidadosamente.
- Guarde toda la información y las instrucciones en un lugar seguro.
- Siga siempre las instrucciones proporcionadas.
- Tome nota de todas las advertencias de seguridad y nunca las quite del equipo.
- Utilice el equipo únicamente según lo previsto y para el fin previsto.
- Asegúrese de que los soportes y/o soportes utilizados sean lo suficientemente estables y compatibles para instalaciones fijas. Los soportes de pared deben asegurarse correctamente, y el equipo debe instalarse de forma segura para evitar caídas.
- Al instalar el equipo, asegúrese de observar las normas de seguridad pertinentes de su país.
- No instale ni utilice el equipo cerca de fuentes de calor, como radiadores, rejillas de calor u hornos, y asegúrese de que siempre se enfríe lo suficiente y no se sobrecaliente.
- No coloque fuentes de ignición, como velas encendidas, sobre el equipo.
- Mantenga las ranuras de ventilación despejadas.
- Equipos diseñados solo para uso en interiores y no debe usarse cerca de agua, materiales inflamables, líquidos o gases. Se debe usar para exteriores de acuerdo con las instrucciones del fabricante.
- Asegúrese de que no entren gotas o salpicaduras de agua en el equipo y no coloque recipientes llenos de líquidos sobre el equipo.
- Evite que caigan objetos dentro del equipo.
- Utilice el equipo únicamente con los accesorios recomendados por el fabricante.
- No intente abrir o modificar el equipo.
- Verifique todos los cables después de conectar el equipo para evitar accidentes o daños debido a riesgos de tropiezos.
- Durante el transporte, tome medidas para evitar que el equipo se caiga y cause daños o lesiones.
- Si el equipo no funciona correctamente, se han metido líquidos u objetos en su interior o está dañado, apáguelo inmediatamente y desenchúfelo de la toma de corriente (si corresponde). Solo personal autorizado y cualificado debe reparar el equipo.
- Limpie el equipo con un paño seco.
- Cumpla con todas las leyes de eliminación aplicables y separe el plástico y el papel/cartón durante la eliminación del embalaje.
- Mantenga las bolsas de plástico fuera del alcance de los niños



## PARA DISPOSITIVOS DISEÑADOS PARA SER CONECTADOS A LA FUENTE DE ALIMENTACIÓN PRINCIPAL:

- **ATENCIÓN:** Si su equipo tiene un cable de alimentación con un enchufe con conexión a tierra, debe conectarse a un tomacorriente de pared con conexión a tierra. Nunca retire el enchufe de conexión a tierra del cable de alimentación.
- Si su equipo ha estado expuesto a cambios extremos de temperatura, permita que alcance la temperatura ambiente antes de encenderlo. De lo contrario, la humedad y la condensación pueden dañar el equipo.
- Antes de enchufar el equipo, asegúrese de que el voltaje y la frecuencia del tomacorriente coincidan con las especificaciones del equipo. Si el equipo dispone de selector de tensión, sólo conéctelo a la toma de corriente si los valores coinciden. Si el cable de alimentación o el adaptador no se ajustan a su toma de corriente, comuníquese con un electricista.
- No pise el cable de alimentación. Asegúrese de que no esté pellizcado en la toma de corriente, el adaptador o la conexión del equipo.
- Mantenga el cable de alimentación o el adaptador al alcance de la mano y desconecte el equipo de la fuente de alimentación cuando no esté en uso o cuando lo esté limpiando. Desenchufe siempre el cable o el adaptador tirando del enchufe o del adaptador, no del cable. Nunca toque el cable o el adaptador con las manos mojadas.
- Evite encender y apagar el equipo con frecuencia, ya que esto puede reducir su vida útil.
- **IMPORTANTE:** Solo reemplace los fusibles con aquellos del mismo tipo y clasificación. Si un fusible se quema repetidamente, comuníquese con un centro de servicio autorizado.
- Para desconectar completamente el equipo de la red eléctrica, desenchufe el cable de alimentación o el adaptador de la toma de corriente.
- Si su dispositivo tiene un conector de alimentación Volex, el conector Volex correspondiente debe desbloquearse antes de poder retirarlo. Tenga cuidado al tender los cables, ya que el equipo puede deslizarse o caerse si se tira del cable de alimentación.
- Desenchufe el cable de alimentación o el adaptador antes de un período prolongado de desuso o en caso de riesgo de caída de rayos.
- Instale el equipo únicamente cuando esté desconectado de la fuente de alimentación.
- Para evitar daños y sobrecalentamiento, el personal calificado debe limpiar y reparar el equipo con regularidad según las condiciones ambientales, como polvo, nicotina y niebla.

Si el producto contiene los siguientes símbolos, lea atentamente:



**PRECAUCIÓN:** Para reducir el riesgo de descarga eléctrica, no retire la tapa (o la parte trasera). No hay partes reparables por el usuario adentro. El mantenimiento y las reparaciones deben ser realizados exclusivamente por personal de servicio cualificado.



El triángulo de advertencia con el símbolo de un rayo indica un voltaje no aislado peligroso dentro de la unidad, que puede causar una descarga eléctrica.



El triángulo de advertencia con signo de exclamación indica instrucciones importantes de operación y mantenimiento.

## INFORMACIÓN IMPORTANTE

### ¡ADVERTENCIA! INFORMACIÓN IMPORTANTE SOBRE PRODUCTOS DE ILUMINACIÓN

1. Este producto está diseñado específicamente para su uso en tecnología de eventos y no está diseñado para usarse como iluminación doméstica.
2. Es importante evitar mirar directamente al haz de luz, incluso durante un breve período de tiempo.
3. No se deben utilizar instrumentos ópticos, como lupas, para mirar directamente al haz.
4. Si es sensible a los efectos estroboscópicos, es posible que le provoquen un ataque epiléptico. Si tiene epilepsia, es importante evitar los lugares donde se usan luces estroboscópicas.

## CONTENIDO DEL PAQUETE

- 1 x Helios 600 IP65
- 1 x Cable de alimentación impermeable europeo
- 1 x Manual del usuario

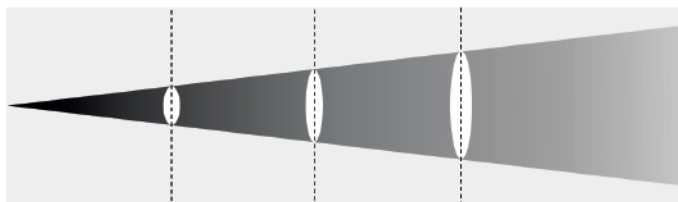
## ESPECIFICACIONES TÉCNICAS

### Parámetros ópticos

- Fuente de luz: 2x 300W Rojo, Verde, Azul, Ámbar, Blanco cálido
- Iluminación: TODOS: 26000Lux a 1 m, TODOS: 3400Lux a 3 m, TODOS: 1500Lux a 5 m
- Temperatura de color: WW: 2000K-10000K ( $\pm 100$ K)
- Sistemas ópticos: Un reflector con una lente de ojo compuesto
- Índice de reproducción cromática:  $Ra \geq 86$
- Longitud de onda principal: R630nm/G529nm/B461nm/A115nm
- Vida útil de la fuente de luz: 50000 horas
- Ángulo del haz (50%):  $50^\circ$
- Ángulo máximo (10%):  $87^\circ$
- Matriz de píxeles: Control puntual/control general
- Estroboscopia: 0~20Hz

### DIAGRAMA DE ILUMINACIÓN

Ángulo del haz:  $50^\circ$



Dímetro(m)

3

5

7

Dímetro(m)

4008

1530

850

Dímetro del  
punto(m)

5

7

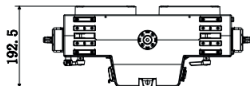
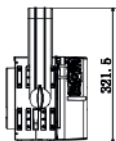
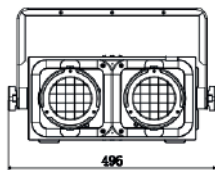
10

### Parámetros de la fuente de alimentación

- Voltaje y frecuencia de entrada: 100~240 V CA, 50~60 Hz
- Conexión de alimentación: entrada/salida de línea de alimentación a prueba de agua, número máximo de conexiones 6 a 230 V
- Conexión de señal: entrada/salida de línea de transferencia de señal a prueba de agua de 5 pines, número máximo de conexiones 32
- Potencia constante: 220 W
- Potencia máxima: 610 W
- Factor de potencia: 0,95/230 V
- Entorno de trabajo:  $-20 \sim 45^\circ \text{C}$

## Parámetros de estructura

- Tamaño: 400\*200\*192,5 mm
- Peso neto: 10,3 kg
- Nivel de protección: IP65
- Sistema de refrigeración: refrigeración por ventilador
- Carcasa: aluminio fundido a presión, color negro
- Modo de instalación: suelo plano, suspensión vertical, suspensión lateral



## Control

- Modo de control: DMX512/RDM cableado
- Acceso DMX: 1CH DWE, 2CH DWE, 4CH DWE, 9CH DWE+, 6CH STROBE, 6CH RGB, 10CH BASIC RGB, 14CH BASIC RGB, 13CH STANDARD RGB, 22CH STANDARD RGB, 24CH EXTENDED RGB, 33CH EXTENDED RGB, 10CH DIRECT, 12CH DIRECT, 17CH DIRECT, 28CH DIRECT, 41CH DIRECT
- Pantalla: La pantalla OLED tiene cuatro botones táctiles
- Frecuencia de actualización: 800 Hz/1200 Hz/2000 Hz/3600 Hz/12000 Hz/25000 Hz
- Retardo del regulador: LED/Medio/Halógeno
- Selección de curva de atenuación: Lineal/Exponencial/Logarítmica/Curva S

## DATA SHEET

## INFORMACIÓN GENERAL

|                   |                 |
|-------------------|-----------------|
| Marca             | Triton Blue     |
| Nombre del modelo | Helios 600 IP65 |
| Número de código  | 10297858        |
| Número EAN        | 7427254442814   |

## LIGHT SOURCE

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Fuente                    | 2x 300W Rojo, verde, azul, ámbar, blanco cálido |
| CCT                       | 2000k-10000k                                    |
| Lux                       | 1500Lux a 5 m (50°)                             |
| Vida útil de la fuente    | 50000H                                          |
| Grados de apertura óptica | 50°                                             |

## SISTEMA DE COLOR

|                   |        |
|-------------------|--------|
| Mezcla de colores | RGBAWW |
|-------------------|--------|

## CUERPO

|                  |                            |
|------------------|----------------------------|
| Cuerpo           | Aluminio fundido a presión |
| Color del cuerpo | Negro                      |

## NIVEL DE RUIDO

|                               |    |
|-------------------------------|----|
| Modo de ventilador automático | Sí |
|                               | Sí |

## CONTROL

|                           |                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------|
| Protocolos                | DMX512/RDM                                                                                         |
| Canales DMX               | 1/2/4/6 ESTROBOSCÓPICO/6 RGB/10/13/14/22/24/10 DIRECTO/12 DIRECTO/17 DIRECTO/28 DIRECTO/41 DIRECTO |
| Control inalámbrico       | No                                                                                                 |
| RDM                       | Sí                                                                                                 |
| Pantalla                  | OLED                                                                                               |
| Inversión de pantalla     | Sí                                                                                                 |
| Actualización de firmware | USB                                                                                                |

## ELECTRÓNICA

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| FRECUENCIA de dimmer | 800/1200/2000/3600/12000/25000 HZ                        |
| Curvas de dimmer     | 4 MODOS DIMMER LINEAL/LEY CUADRADA/ LOGARITMICO/ CURVA S |

## ELÉCTRICO

|                           |                     |
|---------------------------|---------------------|
| Alimentación de red       | 100~240VAC, 50~60Hz |
| Consumo máximo de energía | 610W                |
| Salida (a 230 V)          | 610W                |
| Factor de potencia        | 0.95 @230V          |

## FÍSICO

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Clasificación IP      | IP65                                                 |
| Refrigeración         | Ventiladores de bajo ruido                           |
| Suspensión y fijación | Suelo plano, suspensión vertical, suspensión lateral |
| Conexión de señal     | Entrada/salida IP DMX                                |
| Conexión de datos     | Entrada/salida IP DMX                                |

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Conexión de alimentación               | Entrada/salida de alimentación IP |
| Peso neto                              | 8,84 KG                           |
| Dimensiones Caja principal             | 51°30°28 cm                       |
| Cantidad Caja principal                | 1                                 |
| Rango de temperatura de funcionamiento | -20 °C - 45 °C                    |

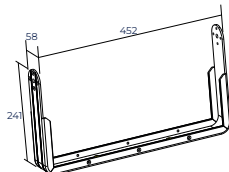
## CERTIFICACIONES / APROBACIONES

|                 |          |
|-----------------|----------|
| Certificaciones | CE, RoHS |
|-----------------|----------|

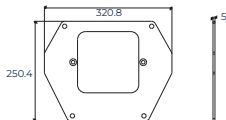
## ACCESORIOS

|                       |                                            |
|-----------------------|--------------------------------------------|
| Accesorios incluidos  | PowerCOM TRUE, cuerda de seguridad, manual |
| Accesorios opcionales | Transverse handle, Baseboard, Flightcase   |

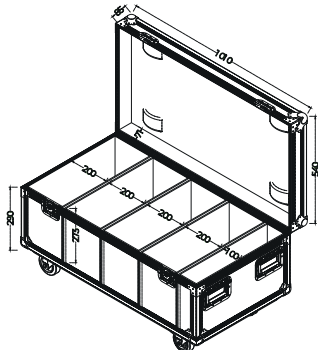
## TRANSVERSE HANDLE FOR HELIOS 600 IP65 AH600-001



## BASEBOARD FOR HELIOS 600 IP65 AH600-002



## Helios 600 FC Flightcase

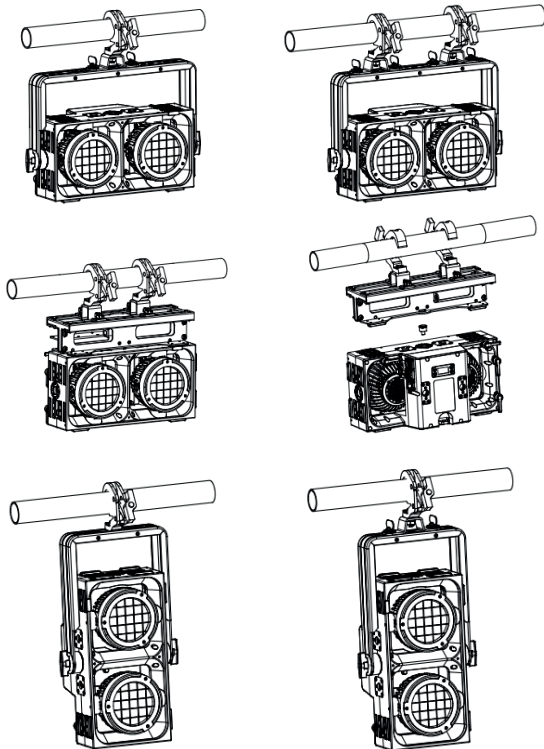


## ESTRUCTURA E INSTALACIÓN DE ACCESORIOS Y CEGADORA

ENGLISH

ESPAÑOL

DMX



## CONEXIÓN DMX



- Para reducir errores de señal y evitar atenuación de señal e interferencias durante la transmisión, se puede agregar una resistencia de 120 ohmios 1/4W entre los pines 2 y 3 del terminal de salida DMX de la última máquina.

- Conecte el aparato con la línea de señal XLR. Un extremo se conecta a la salida de la lámpara y el otro extremo se conecta a la entrada del siguiente aparato. La línea de señal solo se puede utilizar en serie, no en paralelo. Debido a que la velocidad de transmisión de la señal DMX512 es muy rápida, cuando la línea de señal está dañada, la soldadura no es fuerte, el contacto es deficiente, etc., afectará la transmisión de la señal, lo que provocará el apagado del sistema.

- Cuando la fuente de alimentación de la máquina de una unidad está abierta, la conexión entre la salida y la entrada de DMX se pasa por alto para mantener la conexión de las líneas DMX.

- Cada aparato debe tener un código de dirección que pueda recibir mensajes de la consola.

- Los terminales del sistema DMX512 deben estar equipados con un terminal para reducir los errores de transmisión de la señal.

## CONFIGURACIÓN DEL CONDE DE DIRECCIÓN DMX

| Acceso | Dirección | La primera dirección | La dirección de la segunda estación | Dirección del Canal 3 | Dirección del Canal 4 |
|--------|-----------|----------------------|-------------------------------------|-----------------------|-----------------------|
| 1CH    | 001-001   | 001                  | 002                                 | 003                   | 004                   |
| 2CH    | 001-002   | 001                  | 003                                 | 005                   | 007                   |
| 4CH    | 001-004A  | 001                  | 005                                 | 009                   | 013                   |
| 6CH    | 001-005   | 001                  | 006                                 | 011                   | 016                   |
| 9CH    | 001-007   | 001                  | 008                                 | 015                   | 022                   |
| 10CH   | 001-010   | 001                  | 011                                 | 021                   | 031                   |
| 12CH   | 001-012   | 001                  | 013                                 | 025                   | 037                   |
| 13CH   | 001-013   | 001                  | 014                                 | 027                   | 040                   |
| 14CH   | 001-014   | 001                  | 015                                 | 029                   | 043                   |
| 17CH   | 001-017   | 001                  | 018                                 | 035                   | 052                   |
| 22CH   | 001-022   | 001                  | 023                                 | 045                   | 067                   |
| 24CH   | 001-024   | 001                  | 025                                 | 049                   | 073                   |
| 28CH   | 001-028   | 001                  | 029                                 | 057                   | 085                   |
| 33CH   | 001-033   | 001                  | 034                                 | 067                   | 100                   |
| 41CH   | 001-041   | 001                  | 042                                 | 083                   | 124                   |

(ver imagen superior) número de lámparas y linternas añadidas después del n° 4; código de dirección según canal, a su vez.

## CONEXIÓN DE CABLE



ENTRADA  
DE ENERGÍA



SALIDA DE  
ENERGÍA

Utilice este producto con entrada y salida de corriente

Conecte el cable de alimentación con la mano

Nota: por razones de alimentación, se requiere un cable de alimentación de 1,5 cuadrados

Hasta 6 juegos (230 V)



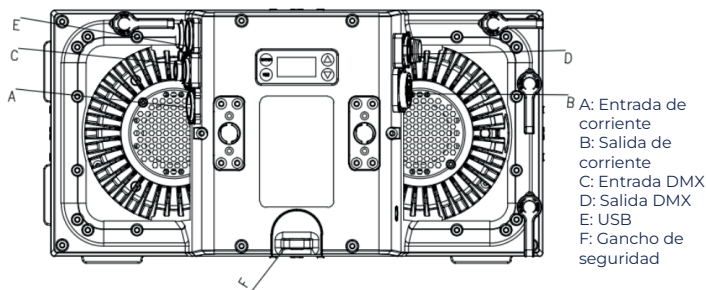
No conecte demasiadas lámparas a una sola línea de alimentación ni sobrecargue el trabajo.

No utilice cables de alimentación con aislamiento dañado ni coloque cables de alimentación sobre otros conductores.

Desconecte el cable de alimentación cuando no utilice o limpie la lámpara.

No tire ni arrastre el cable de alimentación.

## PANEL DE CONTROL DE PANTALLA



A. Entrada de alimentación: Entrada de cable de alimentación a prueba de agua IP65  
Voltaje de entrada: 100-240 V 50/60 Hz

B. Salida de alimentación: Salida de cable de alimentación a prueba de agua IP65 Voltaje de salida: 100-240 V 50/60 Hz

C. Entrada DMX: Entrada de línea de señal a prueba de agua IP65 de 5 pines DMX IN

D. Salida DMX: Salida de línea de señal a prueba de agua IP65 de 5 pines DMX OUT

E. Puerto USB IP65 para actualizaciones de firmware

F. Gancho de seguridad

Las funciones del panel funcionan como se muestra en la siguiente tabla:

| Función                       | Descripción       | Descripción funcional                     | Efecto                          |
|-------------------------------|-------------------|-------------------------------------------|---------------------------------|
| ESC (Teclas de función)       | Selección de menú | Entrar en la función de selección de menú | Menú Acción                     |
| ↑ (Tecla arriba)              | arriba            | Ir a la opción anterior                   | Cambiar incremento de parámetro |
| ↓ (Presionar el botón)        | abajo             | A la última opción                        | Cambiar reducción de parámetro  |
| ENTER (Tecla de confirmación) | Confirmar         | Confirmar la función seleccionada         | Guardar último parámetro        |

## MENÚ PRINCIPAL

ENGLISH

ESPAÑOL

DMX

| First-class menu    | Secondary menu    | Third level menu          |
|---------------------|-------------------|---------------------------|
| 1.DMX Address       | 001-512           |                           |
|                     | Cancel            |                           |
| 2. DMX Channel mode | <u>definite</u>   |                           |
|                     | 1 CH DWE          |                           |
|                     | 2 CH DWE          |                           |
|                     | 4 CH DWE          |                           |
|                     | 9CH DWE+          |                           |
|                     | 6CH STROBE        |                           |
|                     | 6CH RGB           |                           |
|                     | 10CH BASIC RGB    |                           |
|                     | 14CH BASIC RGB    |                           |
|                     | 13CH STANDARD RGB |                           |
|                     | 22CH STANDARD RGB |                           |
|                     | 24CH EXTENDED RGB |                           |
|                     | 24CH EXTENDED RGB |                           |
|                     | 10CH DIRECT       |                           |
|                     | 12CH DIRECT       |                           |
|                     | 17CH DIRECT       |                           |
|                     | 28CH DIRECT       |                           |
|                     | 41CH DIRECT       |                           |
| 3. Stand Alone      | Stop Manual       |                           |
|                     | Auto FX           | Stop the built-in program |
|                     |                   | Built-in programs 1       |
|                     |                   | Built-in programs 2       |
|                     |                   | Built-in programs 3       |
|                     |                   | Built-in programs 4       |
|                     |                   | Built-in programs 5       |
|                     |                   | Built-in programs 6       |
|                     |                   | Built-in programs 7       |
|                     |                   | Built-in programs 8       |
|                     |                   | Built-in programs 9       |
|                     |                   | Built-in programs 10      |
|                     | Color Macro       | Turns off the color macro |
|                     |                   | Dimmer                    |
|                     | Quick color       | Color Macro               |
|                     |                   | Dimmer                    |
|                     |                   | Strobe                    |
|                     |                   | red                       |
|                     |                   | Green                     |
|                     |                   | Blue                      |
|                     | Color temperature | Amber                     |
|                     |                   | White                     |
|                     |                   | Dimmer                    |
|                     |                   | Strobe                    |
|                     | Custom colors     | Color temperature         |
|                     |                   | Red and green             |
|                     |                   | Color 1                   |
|                     |                   | Color 2                   |
|                     |                   | Color 3                   |
|                     | Color settings    | Color 4                   |
|                     |                   | Color 5                   |
|                     |                   | Calibration mode          |
|                     |                   | Solid color mode          |



|                         |                         |                                      |
|-------------------------|-------------------------|--------------------------------------|
| 4. (Language)           | Chinese                 |                                      |
|                         | English                 |                                      |
| 5. Slave mode           | Slave mode              |                                      |
| 6. LAMP settings        | Display settings        | Display reversal                     |
|                         |                         | The setting of extinguishing display |
|                         |                         | Automatic lock screen                |
|                         | Boot mode               | DMX                                  |
|                         |                         | Go By yourself                       |
|                         |                         | Quick Light                          |
|                         | Signal Holding          | Hold on                              |
|                         |                         | Black Field                          |
|                         |                         | All lit up                           |
|                         | Dimming curve           | Linear                               |
|                         |                         | Index                                |
|                         |                         | Logarithmic                          |
|                         |                         | S Curve                              |
|                         | Dimmer delay            | LED                                  |
|                         |                         | Medium                               |
|                         |                         | Halogen                              |
|                         | DTW                     | Close                                |
|                         |                         | Open                                 |
|                         | White balance           | White balance                        |
|                         |                         | User-defined                         |
|                         | Dimming frequency       | 800Hz                                |
|                         |                         | 1200Hz                               |
|                         |                         | 2000Hz                               |
|                         |                         | 3600Hz                               |
|                         |                         | 12000Hz                              |
|                         |                         | 25000Hz                              |
|                         | Fan mode                | Automatic                            |
|                         |                         | Be quiet                             |
|                         |                         | Close                                |
|                         | Lighting sequence       | Close                                |
|                         |                         | Open                                 |
|                         | Transport settings      | Carry DMX                            |
|                         |                         | Do not carry DMX                     |
|                         | Power setting           | Low power                            |
|                         |                         | High power                           |
|                         | USB                     | no                                   |
|                         |                         | yes                                  |
|                         | Factory setup           | Restore factory settings             |
|                         |                         | Restore user customization           |
|                         |                         | User-defined list                    |
| 7. Lighting information | Software version        | V1.0B                                |
|                         | Serial number           | 202311280001                         |
|                         | RDM Code name           | 0x09910000000                        |
|                         | Temperature information | LED1:000                             |
|                         |                         | LED2:000                             |
|                         | Power on time           | Total:0000hours                      |
|                         | Light up time           | LED1:0000hours                       |
|                         |                         | LED2:0000hours                       |
|                         | Error message           |                                      |

## Notas:

1. Solo se puede configurar una computadora como host en la misma línea de señal. Retire la señal de control DMX cuando utilice la función host.
2. Los parámetros que se pueden pasar desde el host incluyen: modo de canal DMX, estado de configuración de pantalla, estado de modo de operación (incluidos los datos del programa de usuario). Cuando se controlan varias lámparas de manera sincronizada, configure esta máquina como host y las demás como esclavas.

## MANTENIMIENTO

Para prolongar la vida útil de las lámparas y linternas, es muy necesario realizar un mantenimiento de las mismas. Si el entorno exterior es malo o las lámparas se colocan durante mucho tiempo, el vapor de agua y el polvo se acumularán en la cubierta de la lente, la carcasa de la lámpara, etc., al mismo tiempo también se puede evitar que el polvo y los gases ácidos en la carcasa provoquen corrosión.

La frecuencia de limpieza depende de la frecuencia de funcionamiento y del entorno circundante. Al limpiar con un paño suave y productos de limpieza de vidrio generales, limpie con cuidado; se recomienda al menos cada 20 días para limpiar una vez.

No utilice alcohol ni otros disolventes orgánicos para limpiar la carcasa de la lámpara, para no causar daños.

## SOLUCIÓN DE PROBLEMAS

ENGLISH

ESPAÑOL

DMX

| Fenómeno de fracaso                                                                    | Causa del fallo                                                                                                                                                                                                                                                                                                                                                                                                                       | Método                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No aparece el menú                                                                     | 1. No hay entrada de CA<br>2. La fuente de alimentación conmutada está dañada<br>3. Falla del panel de visualización                                                                                                                                                                                                                                                                                                                  | 1. Verifique las líneas eléctricas<br>2. Verifique la salida de voltaje de la fuente de alimentación conmutada<br>3. Vuelva a colocar el panel de visualización                                                                                                                                                                                                                                                     |
| No se recibe una señal DMX                                                             | 1. Falla de la línea de señal DMX<br>2. La secuencia de cableado de la línea de señal es incorrecta<br>3. La entrada de señal recibió un daño en el IC de la señal<br>4. La configuración del código de dirección DMX y la consola, el control correspondiente no coinciden<br>5. Error al configurar otros parámetros<br>6. Cuando ingresa al menú, no presiona la tecla de confirmación o la tecla ESC para salir al menú principal | 1. Verifique o reemplace las líneas de señal<br>2. Verifique el orden de cableado de las líneas de señal<br>3. Verifique si la señal del panel de visualización acepta IC y si las dos resistencias conectadas a la línea de señal están abiertas<br>4. Verifique o restablezca el código de dirección, o restablezca la configuración de fábrica y vuelva a probar<br>5. Presione ESC para salir al menú principal |
| La temperatura de la superficie del cuerpo de la lámpara es superior a 75 °            | 1. Falla del termistor de la placa de cuentas de la lámpara LED<br>2. El circuito de control de temperatura en la placa de visualización está averiado                                                                                                                                                                                                                                                                                | 1. Reemplace el termistor<br>2. Verifique el circuito de control de temperatura en la placa base                                                                                                                                                                                                                                                                                                                    |
| La luz proyectada tiene colores mixtos de manera desigual, manchas de color desiguales | 1. La soldadura del LED no es correcta<br>2. La lente o el soporte no están colocados correctamente                                                                                                                                                                                                                                                                                                                                   | 1. Verifique la soldadura del cordón de la lámpara LED<br>2. Inspeccione el proceso de ensamblaje de la lente y ajuste la dirección del ensamblaje del soporte                                                                                                                                                                                                                                                      |
| Los leds no son brillantes o parpadean un poco                                         | Daño del LED o falta de salida de corriente en la placa de control                                                                                                                                                                                                                                                                                                                                                                    | 1. Reemplace los leds de la lámpara LED<br>2. Reemplace los LED dañados o verifique el cableado de la placa de control<br>3. Reemplace el IC del controlador correspondiente                                                                                                                                                                                                                                        |
| Los parámetros no se guardan                                                           | Corrupción de IC para almacenar parámetros                                                                                                                                                                                                                                                                                                                                                                                            | Reemplace el IC de almacenamiento                                                                                                                                                                                                                                                                                                                                                                                   |
| El aparato tiene corriente y no funciona                                               | Cuando la temperatura es demasiado alta, debido a la protección de control de temperatura, la protección contra sobretensión de la fuente de alimentación conmutada no funciona                                                                                                                                                                                                                                                       | Espere a que el cuerpo del aparato se enfríe antes de encenderla                                                                                                                                                                                                                                                                                                                                                    |

## RECICLAJE

ENGLISH

ESPAÑOL

DMX

**Embalaje:**

1. El embalaje puede ser reciclado utilizando métodos de eliminación estándar y reintroducido en el ciclo de materiales reutilizables.
2. Por favor, sigue las leyes y regulaciones relativas a la eliminación y el reciclaje del embalaje en tu país.

**Dispositivo:**

1. Este dispositivo está sujeto a la Directiva de Residuos de Equipos Eléctricos y Electrónicos (WEEE) de la Unión Europea. Los aparatos electrónicos usados no deben ser eliminados con los residuos domésticos. Los dispositivos usados deben ser eliminados a través de una empresa de eliminación aprobada o una instalación de eliminación municipal. Por favor, cumple con las regulaciones aplicables en tu país.
2. Por favor, sigue todas las leyes y regulaciones de eliminación en tu país.
3. Como cliente, puedes obtener información sobre opciones de eliminación respetuosas con el medio ambiente del vendedor del producto o las autoridades regionales apropiadas.

## DMX

| CH | 1CH DWE | 2CH DWE | 4CH DWE         | 9CH DWE+        | 6CH STROBE    |
|----|---------|---------|-----------------|-----------------|---------------|
| 1  | Dimmer  | Dimmer1 | Dimmer1         | Master Dimmer   | Master Dimmer |
| 2  |         | Dimmer2 | Dimmer Curve    | Shutter         | Shutter       |
| 3  |         |         | Dimmer Response | Red             | Duration      |
| 4  |         |         | Redshift        | Green           | Dimmer1       |
| 5  |         |         |                 | Blue            | Dimmer2       |
| 6  |         |         |                 | CTC             | CTC           |
| 7  |         |         |                 | Dimmer Curve    |               |
| 8  |         |         |                 | Dimmer Response |               |
| 9  |         |         |                 | Redshift        |               |

| CH | 6CH RGB | 10CH BASIC RGB        | 14CH BASIC RGB        | 13CH STANDARD RGB |
|----|---------|-----------------------|-----------------------|-------------------|
| 1  | Red1    | Master Dimmer         | Master Dimmer         | Master Dimmer     |
| 2  | Green1  | Shutter               | Master Dimmer Fine    | Shutter           |
| 3  | Blue1   | Red                   | Shutter               | Dimmer1           |
| 4  | Red2    | Green                 | Red                   | Red1              |
| 5  | Green2  | Blue                  | Red Fine              | Green1            |
| 6  | Blue2   | CTC                   | Green                 | Blue1             |
| 7  |         | Tint                  | Green Fine            | Dimmer2           |
| 8  |         | Color Macro           | Blue                  | Red2              |
| 9  |         | Color Macro Crossfade | Blue Fine             | Green2            |
| 10 |         | Device Settings       | CTC                   | Blue2             |
| 11 |         |                       | Tint                  | CTC (all)         |
| 12 |         |                       | Color Macro           | Tint (all)        |
| 13 |         |                       | Color Macro Crossfade | Device Settings   |
| 14 |         |                       | Device Settings       |                   |

| CH | 22CH STANDARD RGB  | 24CH EXTENDED RGB      | 33CH EXTENDED RGB      |
|----|--------------------|------------------------|------------------------|
| 1  | Master Dimmer      | Master Dimmer          | Master Dimmer          |
| 2  | Master Dimmer Fine | Shutter                | Master Dimmer Fine     |
| 3  | Shutter            | Duration               | Shutter                |
| 4  | Dimmer1            | Dimmer1                | Duration               |
| 5  | Dimmer1 Fine       | Red1                   | Dimmer1                |
| 6  | Red1               | Green1                 | Dimmer1 Fine           |
| 7  | Red1 Fine          | Blue1                  | Red1                   |
| 8  | Green1             | CTC1                   | Red1 Fine              |
| 9  | Green1 Fine        | Tint1                  | Green1                 |
| 10 | Blue1              | Color Macro1           | Green1 Fine            |
| 11 | Blue1 Fine         | Color Macro Crossfade1 | Blue1                  |
| 12 | Dimmer2            | Dimmer2                | Blue1 Fine             |
| 13 | Dimmer2 Fine       | Red2                   | CTC1                   |
| 14 | Red2               | Green2                 | Tint1                  |
| 15 | Red2 Fine          | Blue2                  | Color Macro1           |
| 16 | Green2             | CTC2                   | Color Macro Crossfade1 |
| 17 | Green2 Fine        | Tint2                  | Dimmer2                |
| 18 | Blue2              | Color Macro2           | Dimmer2 Fine           |
| 19 | Blue2 Fine         | Color Macro Crossfade2 | Red2                   |
| 20 | CTC (all)          | Effect                 | Red2 Fine              |
| 21 | Tint (all)         | Dimmer Curve           | Green2                 |
| 22 | Device Settings    | Dimmer Response        | Green2 Fine            |
| 23 |                    | Redshift               | Blue2                  |
| 24 |                    | Device Settings        | Blue2 Fine             |
| 25 |                    |                        | CTC2                   |
| 26 |                    |                        | Tint2                  |
| 27 |                    |                        | Color Macro2           |
| 28 |                    |                        | Color Macro Crossfade2 |

|    |  |  |                 |
|----|--|--|-----------------|
| 29 |  |  | Effect          |
| 30 |  |  | Dimmer Curve    |
| 31 |  |  | Dimmer Response |
| 32 |  |  | Redshift        |
| 33 |  |  | Device Settings |

| CH | 10CH DIRECT | 12CH DIRECT           | 17CH DIRECT     | 28CH DIRECT             | 41CH DIRECT             |
|----|-------------|-----------------------|-----------------|-------------------------|-------------------------|
| 1  | Red 1       | Master Dimmer         | Master Dimmer   | Master Dimmer           | Master Dimmer           |
| 2  | Green 1     | Shutter               | Shutter         | Shutter                 | Master Dimmer Fine      |
| 3  | Blue 1      | Red                   | Dimmer 1        | Duration                | Shutter                 |
| 4  | Amber 1     | Green                 | Red 1           | Dimmer 1                | Duration                |
| 5  | White 1     | Blue                  | Green 1         | Red 1                   | Dimmer 1                |
| 6  | Red 2       | Amber                 | Blue 1          | Green 1                 | Dimmer 1 Fine           |
| 7  | Green 2     | White                 | Amber 1         | Blue 1                  | Red 1                   |
| 8  | Blue 2      | CTC                   | White 1         | Amber 1                 | Red 1 Fine              |
| 9  | Amber 2     | Tint                  | Dimmer 2        | White 1                 | Green 1                 |
| 10 | White 2     | Color Macro           | Red 2           | CTC 1                   | Green 1 Fine            |
| 11 |             | Color Macro Crossfade | Green 2         | Tint 1                  | Blue 1                  |
| 12 |             | Device Settings       | Blue 2          | Color Macro 1           | Blue 1 Fine             |
| 13 |             |                       | Amber 2         | Color Macro Crossfade 1 | Amber 1                 |
| 14 |             |                       | White 2         | Dimmer 2                | Amber 1 Fine            |
| 15 |             |                       | CTC (all)       | Red 2                   | White 1                 |
| 16 |             |                       | Tint (all)      | Green 2                 | White 1 Fine            |
| 17 |             |                       | Device Settings | Blue 2                  | CTC 1                   |
| 18 |             |                       |                 | Amber 2                 | Tint 1                  |
| 19 |             |                       |                 | White 2                 | Color Macro 1           |
| 20 |             |                       |                 | CTC 2                   | Color Macro Crossfade 1 |
| 21 |             |                       |                 | Tint 2                  | Dimmer 2                |
| 22 |             |                       |                 | Color Macro 2           | Dimmer 2 Fine           |
| 23 |             |                       |                 | Color Macro Crossfade 2 | Red 2                   |
| 24 |             |                       |                 | Effect                  | Red 2 Fine              |
| 25 |             |                       |                 | Dimmer Curve            | Green 2                 |
| 26 |             |                       |                 | Dimmer Response         | Green 2 Fine            |
| 27 |             |                       |                 | Redshift                | Blue 2                  |
| 28 |             |                       |                 | Device Settings         | Blue 2 Fine             |
| 29 |             |                       |                 |                         | Amber 2                 |
| 30 |             |                       |                 |                         | Amber 2 Fine            |
| 31 |             |                       |                 |                         | White 2                 |
| 32 |             |                       |                 |                         | White 2 Fine            |
| 33 |             |                       |                 |                         | CTC 2                   |
| 34 |             |                       |                 |                         | Tint 2                  |
| 35 |             |                       |                 |                         | Color Macro 2           |
| 36 |             |                       |                 |                         | Color Macro Crossfade 2 |
| 37 |             |                       |                 |                         | Effect                  |
| 38 |             |                       |                 |                         | Dimmer Curve            |
| 39 |             |                       |                 |                         | Dimmer Response         |
| 40 |             |                       |                 |                         | Redshift                |
| 41 |             |                       |                 |                         | Device Settings         |

## 1CH DWE

| CH | Function | Value   | Percent/Setting | Remark |
|----|----------|---------|-----------------|--------|
| 1  | Dimmer   | 000-255 | 0 - 100%        |        |

## 2CH DWE

| CH | Function | Value   | Percent/Setting | Remark |
|----|----------|---------|-----------------|--------|
| 1  | Dimmer1  | 000-255 | 0 - 100%        |        |
| 2  | Dimmer2  | 000-255 | 0 - 100%        |        |

## 4CH DWE

| CH | Function        | Value   | Percent/Setting                                 | Remark |
|----|-----------------|---------|-------------------------------------------------|--------|
| 1  | Dimmer          | 000-255 | 0 - 100%                                        |        |
| 2  | Dimmer Curve    | 000-51  | No Function - Current Preset from Menu Settings |        |
|    |                 | 052-101 | Linear Dimmer Curve                             |        |
|    |                 | 102-152 | Exponential Dimmer Curve                        |        |
|    |                 | 153-203 | Logarithmic Dimmer Curve                        |        |
|    |                 | 204-255 | S-Curve Dimmer Curve                            |        |
| 3  | Dimmer Response | 000-063 | No Function - Current Preset from Menu Settings |        |
|    |                 | 064-127 | LED / fast                                      |        |
|    |                 | 128-191 | Medium                                          |        |
|    |                 | 192-255 | Halogen / slow                                  |        |
| 4  | Redshift        | 000-084 | No Function - Current Preset from Menu Settings |        |
|    |                 | 085-170 | Redshift Off                                    |        |
|    |                 | 171-255 | Redshift On                                     |        |

## 9CH DWE+

| CH | Function      | Value   | Setting                                    | Remark |
|----|---------------|---------|--------------------------------------------|--------|
| 1  | Master Dimmer | 000-255 | 0 - 100%                                   |        |
| 2  | Shutter       | 0-19    | Shutter close                              |        |
|    |               | 20-24   | Shutter open                               |        |
|    |               | 25-64   | Strobe 1 (fast → slow)                     |        |
|    |               | 65-69   | Shutter open                               |        |
|    |               | 70-84   | Strobe 2: opening pulse (fast slow)        |        |
|    |               | 85-89   | Shutter open                               |        |
|    |               | 90-104  | Strobe 3: closing pulse (fast slow)        |        |
|    |               | 105-109 | Shutter open                               |        |
|    |               | 110-124 | Strobe 4: random strobe (fast slow)        |        |
|    |               | 125-129 | Shutter open                               |        |
|    |               | 130-144 | Strobe 5: random opening pulse (fast slow) |        |
|    |               | 145-149 | Shutter open                               |        |
|    |               | 150-164 | Strobe 6: random closing pulse (fast slow) |        |
|    |               | 165-169 | Shutter open                               |        |
|    |               | 170-184 | Strobe 7: burst pulse (fast slow)          |        |
|    |               | 185-189 | Shutter open                               |        |
|    |               | 190-204 | Strobe 8: random burst pulse (fast slow)   |        |
|    |               | 205-209 | Shutter open                               |        |
|    |               | 210-224 | Strobe 9: sine wave (fast slow)            |        |
|    |               | 225-229 | Shutter open                               |        |
|    |               | 230-244 | Strobe 10: burst (fast slow)               |        |
|    |               | 245-255 | Shutter open                               |        |
| 3  | Red           | 000-255 | 0-100%                                     |        |
| 4  | Green         | 000-255 | 0-100%                                     |        |
| 5  | Blue          | 000-255 | 0-100%                                     |        |

|   |                   |           |                                                                        |                        |
|---|-------------------|-----------|------------------------------------------------------------------------|------------------------|
| 6 | CTC (affects RGB) | 000 - 004 | 2900K                                                                  | according to CTC chart |
|   |                   | 005-226   | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|   |                   | 182-182   | 5600K                                                                  |                        |
|   |                   | 226-226   | 6500K                                                                  |                        |
|   |                   | 227-255   | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |
| 7 | Dimmer Curve      | 000-051   | No Function - Current Preset from Menu Settings                        |                        |
|   |                   | 052-101   | Linear Dimmer Curve                                                    |                        |
|   |                   | 102-152   | Exponential Dimmer Curve                                               |                        |
|   |                   | 153-203   | Logarithmic Dimmer Curve                                               |                        |
|   |                   | 204-255   | S-Curve Dimmer Curve                                                   |                        |
| 8 | Dimmer Response   | 000-063   | No Function - Current Preset from Menu Settings                        |                        |
|   |                   | 064-127   | LED / fast                                                             |                        |
|   |                   | 128-191   | Medium                                                                 |                        |
|   |                   | 192-255   | Halogen / slow                                                         |                        |
| 9 | Redshift          | 000-084   | No Function - Current Preset from Menu Settings                        |                        |
|   |                   | 085-170   | Redshift Off                                                           |                        |
|   |                   | 171-255   | Redshift On                                                            |                        |

## 6CH STROBE MODE

| CH | Function      | Value   | Setting                                    | Remark                                      |
|----|---------------|---------|--------------------------------------------|---------------------------------------------|
| 1  | Master Dimmer | 000-255 | 0-100%                                     |                                             |
| 2  | Shutter       | 0-19    | Shutter close                              |                                             |
|    |               | 20-24   | Shutter open                               |                                             |
|    |               | 25-64   | Strobe 1 (fast → slow)                     |                                             |
|    |               | 65-69   | Shutter open                               |                                             |
|    |               | 70-84   | Strobe 2: opening pulse (fast slow)        |                                             |
|    |               | 85-89   | Shutter open                               |                                             |
|    |               | 90-104  | Strobe 3: closing pulse (fast slow)        |                                             |
|    |               | 105-109 | Shutter open                               |                                             |
|    |               | 110-124 | Strobe 4: random strobe (fast slow)        |                                             |
|    |               | 125-129 | Shutter open                               |                                             |
|    |               | 130-144 | Strobe 5: random opening pulse (fast slow) |                                             |
|    |               | 145-149 | Shutter open                               |                                             |
|    |               | 150-164 | Strobe 6: random closing pulse (fast slow) |                                             |
|    |               | 165-169 | Shutter open                               |                                             |
|    |               | 170-184 | Strobe 7: burst pulse (fast slow)          |                                             |
|    |               | 185-189 | Shutter open                               |                                             |
|    |               | 190-204 | Strobe 8: random burst pulse (fast slow)   |                                             |
|    |               | 205-209 | Shutter open                               |                                             |
|    |               | 210-224 | Strobe 9: sine wave (fast slow)            |                                             |
|    |               | 225-229 | Shutter open                               |                                             |
|    |               | 230-244 | Strobe 10: burst (fast slow)               |                                             |
|    |               | 245-255 | Shutter open                               |                                             |
| 3  | Duration      | 000-255 | 0 - 100% (0ms - 510ms)                     | only affects to channel 2 - Strobe 1025-064 |
| 4  | Dimmer1       | 000-255 | 0 - 100%                                   |                                             |
| 5  | Dimmer2       | 000-255 | 0 - 100%                                   |                                             |



|   |     |         |                                                                        |                        |
|---|-----|---------|------------------------------------------------------------------------|------------------------|
| 6 | CTC | 000-004 | 5600K                                                                  | according to CTC chart |
|   |     | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|   |     | 182-182 | 5600K                                                                  |                        |
|   |     | 226-226 | 6500K                                                                  |                        |
|   |     | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |

| 6CH RGB |          |         |         |        |
|---------|----------|---------|---------|--------|
| CH      | Function | Value   | Setting | Remark |
| 1       | Red 1    | 000-255 | 0-100%  |        |
| 2       | Green 1  | 000-255 | 0-100%  |        |
| 3       | Blue 1   | 000-255 | 0-100%  |        |
| 4       | Red 2    | 000-255 | 0-100%  |        |
| 5       | Green 2  | 000-255 | 0-100%  |        |
| 6       | Blue 2   | 000-255 | 0-100%  |        |

| 10CH BASIC RGB |                            |         |                                                                        |                        |
|----------------|----------------------------|---------|------------------------------------------------------------------------|------------------------|
| CH             | Function                   | Value   | Setting                                                                | Remark                 |
| 1              | Master Dimmer              | 000-255 | 0-100%                                                                 |                        |
| 2              | Shutter                    | 0-19    | Shutter close                                                          |                        |
|                |                            | 20-24   | Shutter open                                                           |                        |
|                |                            | 25-64   | Strobe 1 (fast + slow)                                                 |                        |
|                |                            | 65-69   | Shutter open                                                           |                        |
|                |                            | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                        |
|                |                            | 85-89   | Shutter open                                                           |                        |
|                |                            | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                        |
|                |                            | 105-109 | Shutter open                                                           |                        |
|                |                            | 110-124 | Strobe 4: random strobe (fast slow)                                    |                        |
|                |                            | 125-129 | Shutter open                                                           |                        |
|                |                            | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                        |
|                |                            | 145-149 | Shutter open                                                           |                        |
|                |                            | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                        |
|                |                            | 165-169 | Shutter open                                                           |                        |
|                |                            | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                        |
|                |                            | 185-189 | Shutter open                                                           |                        |
|                |                            | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                        |
|                |                            | 205-209 | Shutter open                                                           |                        |
|                |                            | 210-224 | Strobe 9: sine wave (fast slow)                                        |                        |
|                |                            | 225-229 | Shutter open                                                           |                        |
|                |                            | 230-244 | Strobe 10: burst (fast slow)                                           |                        |
|                |                            | 245-255 | Shutter open                                                           |                        |
| 3              | Red                        | 000-255 | 0-100%                                                                 |                        |
| 4              | Green                      | 000-255 | 0-100%                                                                 |                        |
| 5              | Blue                       | 000-255 | 0-100%                                                                 |                        |
| 6              | CTC (affects RGB)          | 000-004 | 5600K                                                                  | according to CTC chart |
|                |                            | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|                |                            | 182-182 | 5600K                                                                  |                        |
|                |                            | 226-226 | 6500K                                                                  |                        |
|                |                            | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |
| 7              | Tint (affects CTC and RGB) |         | Tint (affects CTC and RGB)                                             |                        |
|                |                            | 000-127 | Magenta -> Neutral                                                     |                        |
|                |                            | 128-128 | Neutral                                                                |                        |
|                |                            | 129-255 | Neutral -> Green                                                       |                        |

|    |                                                               |         |                                                           |                                                                              |
|----|---------------------------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 8  | Color Macro (overrideRGB/CTC)                                 | 000-255 | Please see Pomelo color macro chart                       |                                                                              |
| 9  | Color Macro Cross fade (Transition Time between Color Macros) | 000-005 | No function                                               |                                                                              |
|    |                                                               | 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)                                       |                                                                              |
| 10 | Device Settings (please see remark *)                         | 000-029 | No function                                               |                                                                              |
|    |                                                               | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                                               | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                                               | 040-044 | No function                                               |                                                                              |
|    |                                                               | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                                               | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                                               | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                                               | 060-064 | No function                                               |                                                                              |
|    |                                                               | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                                               | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                                               | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                                               | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                                               | 085-089 | No function                                               |                                                                              |
|    |                                                               | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                                               | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                                               | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                                               | 105-109 | No function                                               |                                                                              |
|    |                                                               | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                                               | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                                               | 120-124 | No function                                               |                                                                              |
|    |                                                               | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                                               | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                                               | 135-139 | No function                                               |                                                                              |
|    |                                                               | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                                               | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                                               | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                                               | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                                               | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                                               | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                                               | 170-174 | No function                                               |                                                                              |
|    |                                                               | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                                               | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                                               | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                                               | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                                               | 195-199 | No function                                               |                                                                              |
|    |                                                               | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                                               | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                                               | 220-224 | No function                                               |                                                                              |
|    |                                                               | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                                               | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                                               | 235-239 | No function                                               |                                                                              |
|    |                                                               | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                                               | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                                               | 250-255 | No function                                               |                                                                              |

| 14CH BASIC RGB |                                                               |         |                                                                        |                        |
|----------------|---------------------------------------------------------------|---------|------------------------------------------------------------------------|------------------------|
| CH             | Function                                                      | Value   | Setting                                                                | Remark                 |
| 1              | Master Dimmer                                                 | 000-255 | 0-100%                                                                 |                        |
| 2              | Master Dimmer Fine                                            | 000-255 | 0-100%                                                                 |                        |
| 3              | Shutter                                                       | 0-19    | Shutter close                                                          |                        |
|                |                                                               | 20-24   | Shutter open                                                           |                        |
|                |                                                               | 25-64   | Strobe 1 (fast → slow)                                                 |                        |
|                |                                                               | 65-69   | Shutter open                                                           |                        |
|                |                                                               | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                        |
|                |                                                               | 85-89   | Shutter open                                                           |                        |
|                |                                                               | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                        |
|                |                                                               | 105-109 | Shutter open                                                           |                        |
|                |                                                               | 110-124 | Strobe 4: random strobe (fast slow)                                    |                        |
|                |                                                               | 125-129 | Shutter open                                                           |                        |
|                |                                                               | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                        |
|                |                                                               | 145-149 | Shutter open                                                           |                        |
|                |                                                               | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                        |
|                |                                                               | 165-169 | Shutter open                                                           |                        |
|                |                                                               | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                        |
|                |                                                               | 185-189 | Shutter open                                                           |                        |
|                |                                                               | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                        |
|                |                                                               | 205-209 | Shutter open                                                           |                        |
|                |                                                               | 210-224 | Strobe 9: sine wave (fast slow)                                        |                        |
|                |                                                               | 225-229 | Shutter open                                                           |                        |
|                |                                                               | 230-244 | Strobe 10: burst (fast slow)                                           |                        |
|                |                                                               | 245-255 | Shutter open                                                           |                        |
| 4              | Red                                                           | 000-255 | 0-100%                                                                 |                        |
| 5              | Red Fine                                                      | 000-255 | 0-100%                                                                 |                        |
| 6              | Green                                                         | 000-255 | 0-100%                                                                 |                        |
| 7              | Green Fine                                                    | 000-255 | 0-100%                                                                 |                        |
| 8              | Blue                                                          | 000-255 | 0-100%                                                                 |                        |
| 9              | Blue Fine                                                     | 000-255 | 0-100%                                                                 |                        |
| 10             | CTC (affects RGB)                                             | 000-004 | 5600K                                                                  | according to CTC chart |
|                |                                                               | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|                |                                                               | 182-182 | 5600K                                                                  |                        |
|                |                                                               | 226-226 | 6500K                                                                  |                        |
|                |                                                               | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |
| 11             | Tint (affects CTC and RGB)                                    | 0       | no function                                                            |                        |
|                |                                                               | 000-127 | Magenta → Neutral                                                      |                        |
|                |                                                               | 128-128 | Neutral                                                                |                        |
|                |                                                               | 129-255 | Neutral → Green                                                        |                        |
| 12             | Color Macro (override RGB/CTC)                                | 000-255 | Please see Pomelo color macro chart                                    |                        |
| 13             | Color Macro Cross fade (Transition Time between Color Macros) | 000-005 | No function                                                            |                        |
|                |                                                               | 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)                                                    |                        |

14

Device Settings  
(please see  
remark \*)

|         |                                                           |                                                                              |
|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 000-029 | No function                                               |                                                                              |
| 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
| 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
| 040-044 | No function                                               |                                                                              |
| 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
| 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
| 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
| 060-064 | No function                                               |                                                                              |
| 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
| 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
| 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
| 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
| 085-089 | No function                                               |                                                                              |
| 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
| 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
| 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
| 105-109 | No function                                               |                                                                              |
| 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
| 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
| 120-124 | No function                                               |                                                                              |
| 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
| 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
| 135-139 | No function                                               |                                                                              |
| 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
| 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
| 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
| 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
| 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
| 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
| 170-174 | No function                                               |                                                                              |
| 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
| 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
| 185-189 | Fan Off (hold 3s)                                         |                                                                              |
| 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
| 195-199 | No function                                               |                                                                              |
| 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
| 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
| 220-224 | No function                                               |                                                                              |
| 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
| 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
| 235-239 | No function                                               |                                                                              |
| 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
| 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
| 250-255 | No function                                               |                                                                              |

| 13CH STANDARD RGB |                                   |         |                                                                           |                           |
|-------------------|-----------------------------------|---------|---------------------------------------------------------------------------|---------------------------|
| CH                | Function                          | Value   | Setting                                                                   | Remark                    |
| 1                 | Master Dimmer                     | 000-255 | 0-100%                                                                    |                           |
| 2                 | Shutter                           | 0-19    | Shutter close                                                             |                           |
|                   |                                   | 20-24   | Shutter open                                                              |                           |
|                   |                                   | 25-64   | Strobe 1 (fast → slow)                                                    |                           |
|                   |                                   | 65-69   | Shutter open                                                              |                           |
|                   |                                   | 70-84   | Strobe 2: opening pulse (fast slow)                                       |                           |
|                   |                                   | 85-89   | Shutter open                                                              |                           |
|                   |                                   | 90-104  | Strobe 3: closing pulse (fast slow)                                       |                           |
|                   |                                   | 105-109 | Shutter open                                                              |                           |
|                   |                                   | 110-124 | Strobe 4: random strobe (fast slow)                                       |                           |
|                   |                                   | 125-129 | Shutter open                                                              |                           |
|                   |                                   | 130-144 | Strobe 5: random opening pulse (fast slow)                                |                           |
|                   |                                   | 145-149 | Shutter open                                                              |                           |
|                   |                                   | 150-164 | Strobe 6: random closing pulse (fast slow)                                |                           |
|                   |                                   | 165-169 | Shutter open                                                              |                           |
|                   |                                   | 170-184 | Strobe 7: burst pulse (fast slow)                                         |                           |
|                   |                                   | 185-189 | Shutter open                                                              |                           |
|                   |                                   | 190-204 | Strobe 8: random burst pulse (fast slow)                                  |                           |
|                   |                                   | 205-209 | Shutter open                                                              |                           |
|                   |                                   | 210-224 | Strobe 9: sine wave (fast slow)                                           |                           |
|                   |                                   | 225-229 | Shutter open                                                              |                           |
|                   |                                   | 230-244 | Strobe 10: burst (fast slow)                                              |                           |
|                   |                                   | 245-255 | Shutter open                                                              |                           |
| 3                 | Dimmer 1                          | 000-255 | 0-100%                                                                    |                           |
| 4                 | Red 1                             | 000-255 | 0-100%                                                                    |                           |
| 5                 | Green1                            | 000-255 | 0-100%                                                                    |                           |
| 6                 | Blue1                             | 000-255 | 0-100%                                                                    |                           |
| 7                 | Dimmer 2                          | 000-255 | 0-100%                                                                    |                           |
| 8                 | Red 2                             | 000-255 | 0-100%                                                                    |                           |
| 9                 | Green2                            | 000-255 | 0-100%                                                                    |                           |
| 10                | Blue2                             | 000-255 | 0-100%                                                                    |                           |
| 11                | CTC<br>(affects RGB 1+2)          | 000-004 | 5600K                                                                     | according to CTC<br>chart |
|                   |                                   | 005-182 | 2000K-6500K linear in 20-21K steps<br>(please see detailed CTC chart)     |                           |
|                   |                                   | 182-182 | 5600K                                                                     |                           |
|                   |                                   | 226-226 | 6500K                                                                     |                           |
|                   |                                   | 227-255 | 6621K-10.000K linear in 120-121K steps<br>(please see detailed CTC chart) |                           |
| 12                | Tint (affects CTC<br>and RGB 1+2) | 0       | no function                                                               |                           |
|                   |                                   | 000-127 | Magenta -> Neutral                                                        |                           |
|                   |                                   | 128-128 | Neutral                                                                   |                           |
|                   |                                   | 129-255 | Neutral -> Green                                                          |                           |

|    |                                             |         |                                                           |                                                                              |
|----|---------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 13 | Device Settings<br>(please see<br>remark *) | 000-029 | No function                                               |                                                                              |
|    |                                             | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                             | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                             | 040-044 | No function                                               |                                                                              |
|    |                                             | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                             | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                             | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                             | 060-064 | No function                                               |                                                                              |
|    |                                             | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                             | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                             | 085-089 | No function                                               |                                                                              |
|    |                                             | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                             | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                             | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                             | 105-109 | No function                                               |                                                                              |
|    |                                             | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                             | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                             | 120-124 | No function                                               |                                                                              |
|    |                                             | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                             | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                             | 135-139 | No function                                               |                                                                              |
|    |                                             | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                             | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                             | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                             | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                             | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                             | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                             | 170-174 | No function                                               |                                                                              |
|    |                                             | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                             | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                             | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                             | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                             | 195-199 | No function                                               |                                                                              |
|    |                                             | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                             | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                             | 220-224 | No function                                               |                                                                              |
|    |                                             | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                             | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                             | 235-239 | No function                                               |                                                                              |
|    |                                             | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                             | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                             | 250-255 | No function                                               |                                                                              |

| 22CH STANDARD RGB |                                   |         |                                                                           |                           |
|-------------------|-----------------------------------|---------|---------------------------------------------------------------------------|---------------------------|
| CH                | Function                          | Value   | Setting                                                                   | Remark                    |
| 1                 | Master Dimmer                     | 000-255 | 0 - 100%                                                                  |                           |
| 2                 | MasterDimmerFine                  | 000-255 | 0 - 100%                                                                  |                           |
| 3                 | Shutter                           | 0-19    | Shutter close                                                             |                           |
|                   |                                   | 20-24   | Shutter open                                                              |                           |
|                   |                                   | 25-64   | Strobe 1 (fast → slow)                                                    |                           |
|                   |                                   | 65-69   | Shutter open                                                              |                           |
|                   |                                   | 70-84   | Strobe 2: opening pulse (fast slow)                                       |                           |
|                   |                                   | 85-89   | Shutter open                                                              |                           |
|                   |                                   | 90-104  | Strobe 3: closing pulse (fast slow)                                       |                           |
|                   |                                   | 105-109 | Shutter open                                                              |                           |
|                   |                                   | 110-124 | Strobe 4: random strobe (fast slow)                                       |                           |
|                   |                                   | 125-129 | Shutter open                                                              |                           |
|                   |                                   | 130-144 | Strobe 5: random opening pulse (fast slow)                                |                           |
|                   |                                   | 145-149 | Shutter open                                                              |                           |
|                   |                                   | 150-164 | Strobe 6: random closing pulse (fast slow)                                |                           |
|                   |                                   | 165-169 | Shutter open                                                              |                           |
|                   |                                   | 170-184 | Strobe 7: burst pulse (fast slow)                                         |                           |
|                   |                                   | 185-189 | Shutter open                                                              |                           |
|                   |                                   | 190-204 | Strobe 8: random burst pulse (fast slow)                                  |                           |
|                   |                                   | 205-209 | Shutter open                                                              |                           |
|                   |                                   | 210-224 | Strobe 9: sine wave (fast slow)                                           |                           |
|                   |                                   | 225-229 | Shutter open                                                              |                           |
|                   |                                   | 230-244 | Strobe 10: burst (fast slow)                                              |                           |
|                   |                                   | 245-255 | Shutter open                                                              |                           |
| 4                 | Dimmer 1                          | 000-255 | 0-100%                                                                    |                           |
| 5                 | Dimmer 1 Fine                     | 000-255 | 0-100%                                                                    |                           |
| 6                 | Red 1                             | 000-255 | 0-100%                                                                    |                           |
| 7                 | Red Fine1                         | 000-255 | 0-100%                                                                    |                           |
| 8                 | Green 1                           | 000-255 | 0-100%                                                                    |                           |
| 9                 | Green Fine1                       | 000-255 | 0-100%                                                                    |                           |
| 10                | Blue1                             | 000-255 | 0-100%                                                                    |                           |
| 11                | Blue Fine1                        | 000-255 | 0-100%                                                                    |                           |
| 12                | Dimmer 2                          | 000-255 | 0-100%                                                                    |                           |
| 13                | Dimmer Fine2                      | 000-255 | 0-100%                                                                    |                           |
| 14                | Red 2                             | 000-255 | 0-100%                                                                    |                           |
| 15                | Red Fine2                         | 000-255 | 0-100%                                                                    |                           |
| 16                | Green 2                           | 000-255 | 0-100%                                                                    |                           |
| 17                | Green Fine2                       | 000-255 | 0-100%                                                                    |                           |
| 18                | Blue2                             | 000-255 | 0-100%                                                                    |                           |
| 19                | Blue Fine2                        | 000-255 | 0-100%                                                                    |                           |
| 20                | CTC<br>(affects RGB 1+2)          | 000-004 | 5600K                                                                     | according to CTC<br>chart |
|                   |                                   | 005-182 | 2000K-6500K linear in 20-21K steps<br>(please see detailed CTC chart)     |                           |
|                   |                                   | 182-182 | 5600K                                                                     |                           |
|                   |                                   | 226-226 | 6500K                                                                     |                           |
|                   |                                   | 227-255 | 6621K-10.000K linear in 120-121K steps<br>(please see detailed CTC chart) |                           |
| 21                | Tint (affects CTC<br>and RGB 1+2) | 0       | no function                                                               |                           |
|                   |                                   | 000-127 | Magenta -> Neutral                                                        |                           |
|                   |                                   | 128-128 | Neutral                                                                   |                           |
|                   |                                   | 129-255 | Neutral -> Green                                                          |                           |

22

Device Settings  
(please see  
remark \*)

|         |                                                           |                                                                              |
|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 000-029 | No function                                               |                                                                              |
| 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
| 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
| 040-044 | No function                                               |                                                                              |
| 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
| 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
| 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
| 060-064 | No function                                               |                                                                              |
| 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
| 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
| 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
| 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
| 085-089 | No function                                               |                                                                              |
| 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
| 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
| 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
| 105-109 | No function                                               |                                                                              |
| 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
| 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
| 120-124 | No function                                               |                                                                              |
| 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
| 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
| 135-139 | No function                                               |                                                                              |
| 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
| 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
| 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
| 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
| 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
| 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
| 170-174 | No function                                               |                                                                              |
| 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
| 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
| 185-189 | Fan Off (hold 3s)                                         |                                                                              |
| 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
| 195-199 | No function                                               |                                                                              |
| 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
| 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
| 220-224 | No function                                               |                                                                              |
| 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
| 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
| 235-239 | No function                                               |                                                                              |
| 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
| 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
| 250-255 | No function                                               |                                                                              |



| 24CH STANDARD RGB |                                                               |         |                                                                        |                                              |
|-------------------|---------------------------------------------------------------|---------|------------------------------------------------------------------------|----------------------------------------------|
| CH                | Function                                                      | Value   | Setting                                                                | Remark                                       |
| 1                 | Master Dimmer                                                 | 000-255 | 0 - 100%                                                               |                                              |
| 2                 | Shutter                                                       | 0-19    | Shutter close                                                          |                                              |
|                   |                                                               | 20-24   | Shutter open                                                           |                                              |
|                   |                                                               | 25-64   | Strobe 1 (fast → slow)                                                 |                                              |
|                   |                                                               | 65-69   | Shutter open                                                           |                                              |
|                   |                                                               | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                                              |
|                   |                                                               | 85-89   | Shutter open                                                           |                                              |
|                   |                                                               | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                                              |
|                   |                                                               | 105-109 | Shutter open                                                           |                                              |
|                   |                                                               | 110-124 | Strobe 4: random strobe (fast slow)                                    |                                              |
|                   |                                                               | 125-129 | Shutter open                                                           |                                              |
|                   |                                                               | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                                              |
|                   |                                                               | 145-149 | Shutter open                                                           |                                              |
|                   |                                                               | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                                              |
|                   |                                                               | 165-169 | Shutter open                                                           |                                              |
|                   |                                                               | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                                              |
|                   |                                                               | 185-189 | Shutter open                                                           |                                              |
|                   |                                                               | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                                              |
|                   |                                                               | 205-209 | Shutter open                                                           |                                              |
|                   |                                                               | 210-224 | Strobe 9: sine wave (fast slow)                                        |                                              |
|                   |                                                               | 225-229 | Shutter open                                                           |                                              |
|                   |                                                               | 230-244 | Strobe 10: burst (fast slow)                                           |                                              |
|                   |                                                               | 245-255 | Shutter open                                                           |                                              |
| 3                 | Duration                                                      | 000-255 | 0 - 100% (0ms - 510ms)                                                 | only affects to channel 2 - Strobe 1 025-064 |
| 4                 | Dimmer 1                                                      | 000-255 | 0 - 100%                                                               |                                              |
| 5                 | Red 1                                                         | 000-255 | 0 - 100%                                                               |                                              |
| 6                 | Green 1                                                       | 000-255 | 0 - 100%                                                               |                                              |
| 7                 | Blue 1                                                        | 000-255 | 0 - 100%                                                               |                                              |
| 8                 | CTC (affects RGB 1)                                           | 000-004 | 5600K                                                                  | according to CTC chart                       |
|                   |                                                               | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                                              |
|                   |                                                               | 182-182 | 5600K                                                                  |                                              |
|                   |                                                               | 226-226 | 6500K                                                                  |                                              |
|                   |                                                               | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                                              |
| 9                 | Tint (affects CTC and RGB 1)                                  | 0       | no function                                                            |                                              |
|                   |                                                               | 000-127 | Magenta -> Neutral                                                     |                                              |
|                   |                                                               | 128-128 | Neutral                                                                |                                              |
|                   |                                                               | 129-255 | Neutral -> Green                                                       |                                              |
| 10                | Color Macro 1 (override RGB 1/ CTC 1)                         |         | Please see Pomelo color macro chart                                    |                                              |
| 11                | Color Macro Cross fade (Transition Time between Color Macros) | 000-005 | No function                                                            |                                              |
|                   |                                                               | 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)                                                    |                                              |
| 12                | Dimmer 2                                                      | 000-255 | 0 - 100%                                                               |                                              |
| 13                | Red 2                                                         | 000-255 | 0 - 100%                                                               |                                              |
| 14                | Green 2                                                       | 000-255 | 0 - 100%                                                               |                                              |
| 15                | Blue 2                                                        | 000-255 | 0 - 100%                                                               |                                              |

# TRITON BLUE

ENGLISH

ESPAÑOL

DMX

|    |                                                                        |         |                                                                           |                                                      |
|----|------------------------------------------------------------------------|---------|---------------------------------------------------------------------------|------------------------------------------------------|
| 16 | CTC<br>(affects RGB 2)                                                 | 000-004 | 5600K                                                                     | according to CTC<br>chart                            |
|    |                                                                        | 005-182 | 2000K-6500K linear in 20-21K steps<br>(please see detailed CTC chart)     |                                                      |
|    |                                                                        | 182-182 | 5600K                                                                     |                                                      |
|    |                                                                        | 226-226 | 6500K                                                                     |                                                      |
|    |                                                                        | 227-255 | 6621K-10.000K linear in 120-121K steps<br>(please see detailed CTC chart) |                                                      |
| 17 | Tint (affects CTC<br>and RGB 2)                                        | 0       | no function                                                               |                                                      |
|    |                                                                        | 000-127 | Magenta -> Neutral                                                        |                                                      |
|    |                                                                        | 128-128 | Neutral                                                                   |                                                      |
|    |                                                                        | 129-255 | Neutral -> Green                                                          |                                                      |
| 18 | Color Macro<br>1(override RGB 2/<br>CTC 2)                             |         | Please see Pomelo color macro chart                                       |                                                      |
| 19 | Color Macro Cross<br>fade (Transition<br>Time between<br>Color Macros) | 000-005 | No function                                                               |                                                      |
|    |                                                                        | 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)                                                       |                                                      |
| 20 | Effect override RGB<br>1+2 / CTC 1+2, Color<br>Macro 1+2               | 000-015 | No Function                                                               |                                                      |
|    |                                                                        | 016-039 | Effect 1 (slow to fast)                                                   |                                                      |
|    |                                                                        | 040-063 | Effect 2 (slow to fast)                                                   |                                                      |
|    |                                                                        | 064-087 | Effect 3 (slow to fast)                                                   |                                                      |
|    |                                                                        | 088-111 | Effect 4 (slow to fast)                                                   |                                                      |
|    |                                                                        | 112-135 | Effect 5 (slow to fast)                                                   |                                                      |
|    |                                                                        | 136-159 | Effect 6 (slow to fast)                                                   |                                                      |
|    |                                                                        | 160-183 | Effect 7 (slow to fast)                                                   |                                                      |
|    |                                                                        | 184-207 | Effect 8 (slow to fast)                                                   |                                                      |
|    |                                                                        | 208-231 | Effect 9 (slow to fast)                                                   |                                                      |
|    |                                                                        | 232-255 | Effect 10 (slow to fast)                                                  |                                                      |
| 21 | Dimmer Curve                                                           | 000-051 | No Function - Current Preset from Menu<br>Settings                        |                                                      |
|    |                                                                        | 052-101 | Linear Dimmer Curve                                                       |                                                      |
|    |                                                                        | 102-152 | Exponential Dimmer Curve                                                  |                                                      |
|    |                                                                        | 153-203 | Logarithmic Dimmer Curve                                                  |                                                      |
|    |                                                                        | 204-255 | S-Curve Dimmer Curve                                                      |                                                      |
| 22 | Dimmer Response                                                        | 000-063 | No Function - Current Preset from Menu<br>Settings                        |                                                      |
|    |                                                                        | 064-127 | LED / fast                                                                |                                                      |
|    |                                                                        | 128-191 | Medium                                                                    |                                                      |
|    |                                                                        | 192-255 | Halogen / slow                                                            |                                                      |
| 23 | Redshift                                                               | 000-084 | No Function - Current Preset from Menu<br>Settings                        | Redshift affects only<br>between CCT 2700-<br>3500K. |
|    |                                                                        | 085-170 | Redshift Off                                                              |                                                      |
|    |                                                                        | 171-255 | Redshift On                                                               |                                                      |

|    |                                             |         |                                                           |                                                                              |
|----|---------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 24 | Device Settings<br>(please see<br>remark *) | 000-029 | No function                                               |                                                                              |
|    |                                             | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                             | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                             | 040-044 | No function                                               |                                                                              |
|    |                                             | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                             | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                             | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                             | 060-064 | No function                                               |                                                                              |
|    |                                             | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                             | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                             | 085-089 | No function                                               |                                                                              |
|    |                                             | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                             | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                             | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                             | 105-109 | No function                                               |                                                                              |
|    |                                             | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                             | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                             | 120-124 | No function                                               |                                                                              |
|    |                                             | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                             | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                             | 135-139 | No function                                               |                                                                              |
|    |                                             | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                             | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                             | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                             | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                             | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                             | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                             | 170-174 | No function                                               |                                                                              |
|    |                                             | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                             | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                             | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                             | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                             | 195-199 | No function                                               |                                                                              |
|    |                                             | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                             | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                             | 220-224 | No function                                               |                                                                              |
|    |                                             | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                             | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                             | 235-239 | No function                                               |                                                                              |
|    |                                             | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                             | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                             | 250-255 | No function                                               |                                                                              |

| 33CH STANDARD RGB |                                                               |         |                                                                        |                                             |
|-------------------|---------------------------------------------------------------|---------|------------------------------------------------------------------------|---------------------------------------------|
| CH                | Function                                                      | Value   | Setting                                                                | Remark                                      |
| 1                 | Master Dimmer                                                 | 000-255 | 0 - 100%                                                               |                                             |
| 2                 | Master Dimmer Fine                                            | 000-255 | 0 - 100%                                                               |                                             |
| 3                 | Shutter                                                       | 0-19    | Shutter close                                                          |                                             |
|                   |                                                               | 20-24   | Shutter open                                                           |                                             |
|                   |                                                               | 25-64   | Strobe 1 (fast → slow)                                                 |                                             |
|                   |                                                               | 65-69   | Shutter open                                                           |                                             |
|                   |                                                               | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                                             |
|                   |                                                               | 85-89   | Shutter open                                                           |                                             |
|                   |                                                               | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                                             |
|                   |                                                               | 105-109 | Shutter open                                                           |                                             |
|                   |                                                               | 110-124 | Strobe 4: random strobe (fast slow)                                    |                                             |
|                   |                                                               | 125-129 | Shutter open                                                           |                                             |
|                   |                                                               | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                                             |
|                   |                                                               | 145-149 | Shutter open                                                           |                                             |
|                   |                                                               | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                                             |
|                   |                                                               | 165-169 | Shutter open                                                           |                                             |
|                   |                                                               | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                                             |
|                   |                                                               | 185-189 | Shutter open                                                           |                                             |
|                   |                                                               | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                                             |
|                   |                                                               | 205-209 | Shutter open                                                           |                                             |
|                   |                                                               | 210-224 | Strobe 9: sine wave (fast slow)                                        |                                             |
|                   |                                                               | 225-229 | Shutter open                                                           |                                             |
|                   |                                                               | 230-244 | Strobe 10: burst (fast slow)                                           |                                             |
|                   |                                                               | 245-255 | Shutter open                                                           |                                             |
| 4                 | Duration                                                      | 000-255 | 0 - 100% (0ms - 510ms)                                                 | only affects to channel 2 - Strobe 1025-064 |
| 5                 | Dimmer 1                                                      | 000-255 | 0-100%                                                                 |                                             |
| 6                 | Dimmer 1 Fine                                                 | 000-255 | 0-100%                                                                 |                                             |
| 7                 | Red 1                                                         | 000-255 | 0-100%                                                                 |                                             |
| 8                 | Red Fine 1                                                    | 000-255 | 0-100%                                                                 |                                             |
| 9                 | Green 1                                                       | 000-255 | 0-100%                                                                 |                                             |
| 10                | Green Fine 1                                                  | 000-255 | 0-100%                                                                 |                                             |
| 11                | Blue 1                                                        | 000-255 | 0-100%                                                                 |                                             |
| 12                | Blue Fine 1                                                   | 000-255 | 0-100%                                                                 |                                             |
| 13                | CTC 1 (affects RGB 1)                                         | 000-004 | 5600K                                                                  | according to CTC chart                      |
|                   |                                                               | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                                             |
|                   |                                                               | 182-182 | 5600K                                                                  |                                             |
|                   |                                                               | 226-226 | 6500K                                                                  |                                             |
|                   |                                                               | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                                             |
| 14                | Tint 1 (affects CTC and RGB 1)                                | 0       | no function                                                            |                                             |
|                   |                                                               | 000-127 | Magenta → Neutral                                                      |                                             |
|                   |                                                               | 128-128 | Neutral                                                                |                                             |
|                   |                                                               | 129-255 | Neutral → Green                                                        |                                             |
| 15                | Color Macro 1 (override RGB 1/ CTC 1)                         |         | Please see Pomelo color macro chart                                    |                                             |
| 16                | Color Macro Cross fade (Transition Time between Color Macros) | 000-005 | No function                                                            |                                             |
|                   |                                                               | 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)                                                    |                                             |
| 17                | Dimmer 2                                                      | 000-255 | 0-100%                                                                 |                                             |
| 18                | Dimmer 2 Fine                                                 | 000-255 | 0-100%                                                                 |                                             |

|    |                                                                        |         |                                                                           |                                                      |
|----|------------------------------------------------------------------------|---------|---------------------------------------------------------------------------|------------------------------------------------------|
| 19 | Red 2                                                                  | 000-255 | 0-100%                                                                    |                                                      |
| 20 | Red Fine2                                                              | 000-255 | 0-100%                                                                    |                                                      |
| 21 | Green 2                                                                | 000-255 | 0-100%                                                                    |                                                      |
| 22 | Green Fine2                                                            | 000-255 | 0-100%                                                                    |                                                      |
| 23 | Blue2                                                                  | 000-255 | 0-100%                                                                    |                                                      |
| 24 | Blue Fine2                                                             | 000-255 | 0-100%                                                                    |                                                      |
| 25 | CTC 2<br>(affects RGB 2)                                               | 000-004 | 5600K                                                                     | according to CTC<br>chart                            |
|    |                                                                        | 005-182 | 2000K-6500K linear in 20-21K steps<br>(please see detailed CTC chart)     |                                                      |
|    |                                                                        | 182-182 | 5600K                                                                     |                                                      |
|    |                                                                        | 226-226 | 6500K                                                                     |                                                      |
|    |                                                                        | 227-255 | 6621K-10.000K linear in 120-121K steps<br>(please see detailed CTC chart) |                                                      |
| 26 | Tint2 (affects CTC<br>and RGB 2)                                       | 0       | no function                                                               |                                                      |
|    |                                                                        | 000-127 | Magenta -> Neutral                                                        |                                                      |
|    |                                                                        | 128-128 | Neutral                                                                   |                                                      |
|    |                                                                        | 129-255 | Neutral -> Green                                                          |                                                      |
| 27 | Color Macro 2<br>(override RGB 2/<br>CTC 1)                            |         | Please see Pomelo color macro chart                                       |                                                      |
| 28 | Color Macro Cross<br>fade (Transition<br>Time between<br>Color Macros) | 000-005 | No function                                                               |                                                      |
|    |                                                                        | 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)                                                       |                                                      |
| 29 | Effect override RGB<br>1+2 / CTC 1+2, Color<br>Macro 1+2               | 000-015 | No Function                                                               |                                                      |
|    |                                                                        | 016-039 | Effect 1 (slow to fast)                                                   |                                                      |
|    |                                                                        | 040-063 | Effect 2 (slow to fast)                                                   |                                                      |
|    |                                                                        | 064-087 | Effect 3 (slow to fast)                                                   |                                                      |
|    |                                                                        | 088-111 | Effect 4 (slow to fast)                                                   |                                                      |
|    |                                                                        | 112-135 | Effect 5 (slow to fast)                                                   |                                                      |
|    |                                                                        | 136-159 | Effect 6 (slow to fast)                                                   |                                                      |
|    |                                                                        | 160-183 | Effect 7 (slow to fast)                                                   |                                                      |
|    |                                                                        | 184-207 | Effect 8 (slow to fast)                                                   |                                                      |
|    |                                                                        | 208-231 | Effect 9 (slow to fast)                                                   |                                                      |
| 30 | Dimmer Curve                                                           | 232-55  | Effect 10 (slow to fast)                                                  |                                                      |
|    |                                                                        | 000-051 | No Function - Current Preset from Menu<br>Settings                        |                                                      |
|    |                                                                        | 052-101 | Linear Dimmer Curve                                                       |                                                      |
|    |                                                                        | 102-152 | Exponential Dimmer Curve                                                  |                                                      |
|    |                                                                        | 153-203 | Logarithmic Dimmer Curve                                                  |                                                      |
| 31 | Dimmer Response                                                        | 204-255 | S-Curve Dimmer Curve                                                      |                                                      |
|    |                                                                        | 000-063 | No Function - Current Preset from Menu<br>Settings                        |                                                      |
|    |                                                                        | 064-127 | LED / fast                                                                |                                                      |
|    |                                                                        | 128-191 | Medium                                                                    |                                                      |
| 32 | Redshift                                                               | 192-255 | Halogen / slow                                                            |                                                      |
|    |                                                                        | 000-084 | No Function - Current Preset from Menu<br>Settings                        | Redshift affects only<br>between CCT 2700-<br>3500K. |
|    |                                                                        | 085-170 | Redshift Off                                                              |                                                      |
|    |                                                                        | 171-255 | Redshift On                                                               |                                                      |

|    |                                             |         |                                                           |                                                                              |
|----|---------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 33 | Device Settings<br>(please see<br>remark *) | 000-029 | No function                                               |                                                                              |
|    |                                             | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                             | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                             | 040-044 | No function                                               |                                                                              |
|    |                                             | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                             | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                             | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                             | 060-064 | No function                                               |                                                                              |
|    |                                             | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                             | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                             | 085-089 | No function                                               |                                                                              |
|    |                                             | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                             | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                             | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                             | 105-109 | No function                                               |                                                                              |
|    |                                             | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                             | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                             | 120-124 | No function                                               |                                                                              |
|    |                                             | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                             | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                             | 135-139 | No function                                               |                                                                              |
|    |                                             | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                             | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                             | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                             | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                             | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                             | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                             | 170-174 | No function                                               |                                                                              |
|    |                                             | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                             | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                             | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                             | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                             | 195-199 | No function                                               |                                                                              |
|    |                                             | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                             | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                             | 220-224 | No function                                               |                                                                              |
|    |                                             | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                             | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                             | 235-239 | No function                                               |                                                                              |
|    |                                             | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                             | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                             | 250-255 | No function                                               |                                                                              |

## 10CH DIRECT

| CH | Function | Value   | Setting | Remark |
|----|----------|---------|---------|--------|
| 1  | Red 1    | 000-255 | 0-100%  |        |
| 2  | Green 1  | 000-255 | 0-100%  |        |
| 3  | Blue 1   | 000-255 | 0-100%  |        |
| 4  | Amber 1  | 000-255 | 0-100%  |        |
| 5  | White 1  | 000-255 | 0-100%  |        |
| 6  | Red 2    | 000-255 | 0-100%  |        |
| 7  | Green 2  | 000-255 | 0-100%  |        |
| 8  | Blue 2   | 000-255 | 0-100%  |        |
| 9  | Amber 2  | 000-255 | 0-100%  |        |
| 10 | White 2  | 000-255 | 0-100%  |        |

## 12CH DIRECT

| CH | Function                       | Value   | Setting                                                                | Remark                 |
|----|--------------------------------|---------|------------------------------------------------------------------------|------------------------|
| 1  | Master Dimmer                  | 000-255 | 0 - 100%                                                               |                        |
| 2  | Shutter                        | 0-19    | Shutter close                                                          |                        |
|    |                                | 20-24   | Shutter open                                                           |                        |
|    |                                | 25-64   | Strobe 1 (fast + slow)                                                 |                        |
|    |                                | 65-69   | Shutter open                                                           |                        |
|    |                                | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                        |
|    |                                | 85-89   | Shutter open                                                           |                        |
|    |                                | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                        |
|    |                                | 105-109 | Shutter open                                                           |                        |
|    |                                | 110-124 | Strobe 4: random strobe (fast slow)                                    |                        |
|    |                                | 125-129 | Shutter open                                                           |                        |
|    |                                | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                        |
|    |                                | 145-149 | Shutter open                                                           |                        |
|    |                                | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                        |
|    |                                | 165-169 | Shutter open                                                           |                        |
|    |                                | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                        |
|    |                                | 185-189 | Shutter open                                                           |                        |
|    |                                | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                        |
|    |                                | 205-209 | Shutter open                                                           |                        |
|    |                                | 210-224 | Strobe 9: sine wave (fast slow)                                        |                        |
|    |                                | 225-229 | Shutter open                                                           |                        |
|    |                                | 230-244 | Strobe 10: burst (fast slow)                                           |                        |
|    |                                | 245-255 | Shutter open                                                           |                        |
| 3  | Red 1                          | 000-255 | 0-100%                                                                 |                        |
| 4  | Green 1                        | 000-255 | 0-100%                                                                 |                        |
| 5  | Blue 1                         | 000-255 | 0-100%                                                                 |                        |
| 6  | Amber 1                        | 000-255 | 0-100%                                                                 |                        |
| 7  | White 1                        | 000-255 | 0-100%                                                                 |                        |
| 8  | CTC (affects RGBAW)            | 000-004 | 5600K                                                                  | according to CTC chart |
|    |                                | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|    |                                | 182-182 | 5600K                                                                  |                        |
|    |                                | 226-226 | 6500K                                                                  |                        |
|    |                                | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |
| 9  | Tint (affects CTC and RGBAW)   | 0       | no function                                                            |                        |
|    |                                | 000-127 | Magenta -> Neutral                                                     |                        |
|    |                                | 128-128 | Neutral                                                                |                        |
|    |                                | 129-255 | Neutral -> Green                                                       |                        |
| 10 | Color Macro (override RGB/CTC) |         | Please see Pomelo color macro chart                                    |                        |

|    |                                             |         |                                                           |                                                                              |
|----|---------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 12 | Device Settings<br>(please see<br>remark *) | 000-029 | No function                                               |                                                                              |
|    |                                             | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                             | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                             | 040-044 | No function                                               |                                                                              |
|    |                                             | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                             | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                             | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                             | 060-064 | No function                                               |                                                                              |
|    |                                             | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                             | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                             | 085-089 | No function                                               |                                                                              |
|    |                                             | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                             | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                             | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                             | 105-109 | No function                                               |                                                                              |
|    |                                             | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                             | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                             | 120-124 | No function                                               |                                                                              |
|    |                                             | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                             | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                             | 135-139 | No function                                               |                                                                              |
|    |                                             | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                             | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                             | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                             | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                             | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                             | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                             | 170-174 | No function                                               |                                                                              |
|    |                                             | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                             | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                             | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                             | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                             | 195-199 | No function                                               |                                                                              |
|    |                                             | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                             | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                             | 220-224 | No function                                               |                                                                              |
|    |                                             | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                             | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                             | 235-239 | No function                                               |                                                                              |
|    |                                             | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                             | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                             | 250-255 | No function                                               |                                                                              |



| 17CH DIRECT |                                    |         |                                                                           |                           |
|-------------|------------------------------------|---------|---------------------------------------------------------------------------|---------------------------|
| CH          | Function                           | Value   | Setting                                                                   | Remark                    |
| 1           | Master Dimmer                      | 000-255 | 0 - 100%                                                                  |                           |
| 2           | Shutter                            | 0-19    | Shutter close                                                             |                           |
|             |                                    | 20-24   | Shutter open                                                              |                           |
|             |                                    | 25-64   | Strobe 1 (fast → slow)                                                    |                           |
|             |                                    | 65-69   | Shutter open                                                              |                           |
|             |                                    | 70-84   | Strobe 2: opening pulse (fast slow)                                       |                           |
|             |                                    | 85-89   | Shutter open                                                              |                           |
|             |                                    | 90-104  | Strobe 3: closing pulse (fast slow)                                       |                           |
|             |                                    | 105-109 | Shutter open                                                              |                           |
|             |                                    | 110-124 | Strobe 4: random strobe (fast slow)                                       |                           |
|             |                                    | 125-129 | Shutter open                                                              |                           |
|             |                                    | 130-144 | Strobe 5: random opening pulse (fast slow)                                |                           |
|             |                                    | 145-149 | Shutter open                                                              |                           |
|             |                                    | 150-164 | Strobe 6: random closing pulse (fast slow)                                |                           |
|             |                                    | 165-169 | Shutter open                                                              |                           |
|             |                                    | 170-184 | Strobe 7: burst pulse (fast slow)                                         |                           |
|             |                                    | 185-189 | Shutter open                                                              |                           |
|             |                                    | 190-204 | Strobe 8: random burst pulse (fast slow)                                  |                           |
|             |                                    | 205-209 | Shutter open                                                              |                           |
|             |                                    | 210-224 | Strobe 9: sine wave (fast slow)                                           |                           |
|             |                                    | 225-229 | Shutter open                                                              |                           |
|             |                                    | 230-244 | Strobe 10: burst (fast slow)                                              |                           |
|             |                                    | 245-255 | Shutter open                                                              |                           |
| 3           | Dimmer1                            | 000-255 | 0 - 100%                                                                  |                           |
| 4           | Red 1                              | 000-255 | 0-100%                                                                    |                           |
| 5           | Green 1                            | 000-255 | 0-100%                                                                    |                           |
| 6           | Blue 1                             | 000-255 | 0-100%                                                                    |                           |
| 7           | Amber 1                            | 000-255 | 0-100%                                                                    |                           |
| 8           | White 1                            | 000-255 | 0-100%                                                                    |                           |
| 9           | Dimmer2                            | 000-255 | 0-100%                                                                    |                           |
| 10          | Red 2                              | 000-255 | 0-100%                                                                    |                           |
| 11          | Green 2                            | 000-255 | 0-100%                                                                    |                           |
| 12          | Blue 2                             | 000-255 | 0-100%                                                                    |                           |
| 13          | Amber 2                            | 000-255 | 0-100%                                                                    |                           |
| 14          | White 2                            | 000-255 | 0-100%                                                                    |                           |
| 15          | CTC<br>(affects RGBAW1+2)          | 000-004 | 5600K                                                                     | according to CTC<br>chart |
|             |                                    | 005-182 | 2000K-6500K linear in 20-21K steps<br>(please see detailed CTC chart)     |                           |
|             |                                    | 182-182 | 5600K                                                                     |                           |
|             |                                    | 226-226 | 6500K                                                                     |                           |
|             |                                    | 227-255 | 6621K-10.000K linear in 120-121K steps<br>(please see detailed CTC chart) |                           |
| 16          | Tint (affects CTC<br>and RGBAW1+2) | 0       | no function                                                               |                           |
|             |                                    | 000-127 | Magenta -> Neutral                                                        |                           |
|             |                                    | 128-128 | Neutral                                                                   |                           |
|             |                                    | 129-255 | Neutral -> Green                                                          |                           |

17

Device Settings  
(please see  
remark \*)

|         |                                                           |                                                                              |
|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 000-029 | No function                                               |                                                                              |
| 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
| 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
| 040-044 | No function                                               |                                                                              |
| 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
| 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
| 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
| 060-064 | No function                                               |                                                                              |
| 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
| 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
| 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
| 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
| 085-089 | No function                                               |                                                                              |
| 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
| 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
| 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
| 105-109 | No function                                               |                                                                              |
| 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
| 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
| 120-124 | No function                                               |                                                                              |
| 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
| 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
| 135-139 | No function                                               |                                                                              |
| 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
| 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
| 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
| 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
| 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
| 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
| 170-174 | No function                                               |                                                                              |
| 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
| 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
| 185-189 | Fan Off (hold 3s)                                         |                                                                              |
| 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
| 195-199 | No function                                               |                                                                              |
| 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
| 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
| 220-224 | No function                                               |                                                                              |
| 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
| 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
| 235-239 | No function                                               |                                                                              |
| 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
| 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
| 250-255 | No function                                               |                                                                              |

| 28CH DIRECT |                                                                            |         |                                                                        |                                              |
|-------------|----------------------------------------------------------------------------|---------|------------------------------------------------------------------------|----------------------------------------------|
| CH          | Function                                                                   | Value   | Setting                                                                | Remark                                       |
| 1           | Master Dimmer                                                              | 000-255 | 0 - 100%                                                               |                                              |
| 2           | Shutter                                                                    | 0-19    | Shutter close                                                          |                                              |
|             |                                                                            | 20-24   | Shutter open                                                           |                                              |
|             |                                                                            | 25-64   | Strobe 1 (fast → slow)                                                 |                                              |
|             |                                                                            | 65-69   | Shutter open                                                           |                                              |
|             |                                                                            | 70-84   | Strobe 2: opening pulse (fast slow)                                    |                                              |
|             |                                                                            | 85-89   | Shutter open                                                           |                                              |
|             |                                                                            | 90-104  | Strobe 3: closing pulse (fast slow)                                    |                                              |
|             |                                                                            | 105-109 | Shutter open                                                           |                                              |
|             |                                                                            | 110-124 | Strobe 4: random strobe (fast slow)                                    |                                              |
|             |                                                                            | 125-129 | Shutter open                                                           |                                              |
|             |                                                                            | 130-144 | Strobe 5: random opening pulse (fast slow)                             |                                              |
|             |                                                                            | 145-149 | Shutter open                                                           |                                              |
|             |                                                                            | 150-164 | Strobe 6: random closing pulse (fast slow)                             |                                              |
|             |                                                                            | 165-169 | Shutter open                                                           |                                              |
|             |                                                                            | 170-184 | Strobe 7: burst pulse (fast slow)                                      |                                              |
|             |                                                                            | 185-189 | Shutter open                                                           |                                              |
|             |                                                                            | 190-204 | Strobe 8: random burst pulse (fast slow)                               |                                              |
|             |                                                                            | 205-209 | Shutter open                                                           |                                              |
|             |                                                                            | 210-224 | Strobe 9: sine wave (fast slow)                                        |                                              |
|             |                                                                            | 225-229 | Shutter open                                                           |                                              |
|             |                                                                            | 230-244 | Strobe 10: burst (fast slow)                                           |                                              |
|             |                                                                            | 245-255 | Shutter open                                                           |                                              |
| 3           | Duration                                                                   | 000-255 | 0 - 100% (0ms - 510ms)                                                 | only affects to channel 2 - Strobe 1 025-064 |
| 4           | Dimmer1                                                                    | 000-255 | 0 - 100%                                                               |                                              |
| 5           | Red 1                                                                      | 000-255 | 0-100%                                                                 |                                              |
| 6           | Green 1                                                                    | 000-255 | 0-100%                                                                 |                                              |
| 7           | Blue1                                                                      | 000-255 | 0-100%                                                                 |                                              |
| 8           | Amber 1                                                                    | 000-255 | 0-100%                                                                 |                                              |
| 9           | White 1                                                                    | 000-255 | 0-100%                                                                 |                                              |
| 10          | CTC 1<br>(affects RGBAW 1)                                                 | 000-004 | 5600K                                                                  | according to CTC chart                       |
|             |                                                                            | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                                              |
|             |                                                                            | 182-182 | 5600K                                                                  |                                              |
|             |                                                                            | 226-226 | 6500K                                                                  |                                              |
|             |                                                                            | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                                              |
| 11          | Tint 1(affects CTC1 and RGBAW1)                                            | 0       | no function                                                            |                                              |
|             |                                                                            | 000-127 | Magenta -> Neutral                                                     |                                              |
|             |                                                                            | 128-128 | Neutral                                                                |                                              |
|             |                                                                            | 129-255 | Neutral -> Green                                                       |                                              |
| 12          | Color Macro 1<br>(override RGBAW1/ CTC 1)                                  |         | Please see Pomelo color macro chart                                    |                                              |
| 13          | Color Macro Cross<br>Fade 1 (Transition<br>Time between<br>Color Macros 1) | 000-005 | No function                                                            |                                              |
|             |                                                                            | 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)                                                    |                                              |
| 14          | Dimmer2                                                                    | 000-255 | 0 - 100%                                                               |                                              |
| 15          | Red 2                                                                      | 000-255 | 0-100%                                                                 |                                              |
| 16          | Green 2                                                                    | 000-255 | 0-100%                                                                 |                                              |
| 17          | Blue2                                                                      | 000-255 | 0-100%                                                                 |                                              |
| 18          | Amber 2                                                                    | 000-255 | 0-100%                                                                 |                                              |

|    |                                                                   |         |                                                 |                                               |
|----|-------------------------------------------------------------------|---------|-------------------------------------------------|-----------------------------------------------|
| 21 | Tint 2(affects CTC2 and RGBAW2)                                   | 0       | no function                                     |                                               |
|    |                                                                   | 000-127 | Magenta -> Neutral                              |                                               |
|    |                                                                   | 128-128 | Neutral                                         |                                               |
|    |                                                                   | 129-255 | Neutral -> Green                                |                                               |
| 22 | Color Macro 2 (override RGBAW2/ CTC 2)                            |         | Please see Pomelo color macro chart             |                                               |
| 23 | Color Macro Cross Fade 2 (Transition Time between Color Macros 2) | 000-005 | No function                                     |                                               |
|    |                                                                   | 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)                             |                                               |
| 24 | Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2                | 000-015 | No Function                                     |                                               |
|    |                                                                   | 016-039 | Effect 1 (slow to fast)                         |                                               |
|    |                                                                   | 040-063 | Effect 2 (slow to fast)                         |                                               |
|    |                                                                   | 064-087 | Effect 3 (slow to fast)                         |                                               |
|    |                                                                   | 088-111 | Effect 4 (slow to fast)                         |                                               |
|    |                                                                   | 112-135 | Effect 5 (slow to fast)                         |                                               |
|    |                                                                   | 136-159 | Effect 6 (slow to fast)                         |                                               |
|    |                                                                   | 160-183 | Effect 7 (slow to fast)                         |                                               |
|    |                                                                   | 184-207 | Effect 8 (slow to fast)                         |                                               |
|    |                                                                   | 208-231 | Effect 9 (slow to fast)                         |                                               |
|    |                                                                   | 232-255 | Effect 10 (slow to fast)                        |                                               |
| 25 | Dimmer Curve                                                      | 000-051 | No Function - Current Preset from Menu Settings |                                               |
|    |                                                                   | 052-101 | Linear Dimmer Curve                             |                                               |
|    |                                                                   | 102-152 | Exponential Dimmer Curve                        |                                               |
|    |                                                                   | 153-203 | Logarithmic Dimmer Curve                        |                                               |
|    |                                                                   | 204-255 | S-Curve Dimmer Curve                            |                                               |
| 26 | Dimmer Response                                                   | 000-063 | No Function - Current Preset from Menu Settings |                                               |
|    |                                                                   | 064-127 | LED / fast                                      |                                               |
|    |                                                                   | 128-191 | Medium                                          |                                               |
|    |                                                                   | 192-255 | Halogen / slow                                  |                                               |
| 27 | Redshift                                                          | 000-084 | No Function - Current Preset from Menu Settings | Redshift affects only between CCT 2700-3500K. |
|    |                                                                   | 085-170 | Redshift Off                                    |                                               |
|    |                                                                   | 171-255 | Redshift On                                     |                                               |

|    |                                             |         |                                                           |                                                                              |
|----|---------------------------------------------|---------|-----------------------------------------------------------|------------------------------------------------------------------------------|
| 28 | Device Settings<br>(please see<br>remark *) | 000-029 | No function                                               |                                                                              |
|    |                                             | 030-034 | Display Backlight On (hold 3s)                            |                                                                              |
|    |                                             | 035-039 | Display Backlight Off (hold 3s)                           |                                                                              |
|    |                                             | 040-044 | No function                                               |                                                                              |
|    |                                             | 045-049 | DMX Fail Blackout (hold 3s)                               |                                                                              |
|    |                                             | 050-054 | DMX Fail Hold (hold 3s)                                   |                                                                              |
|    |                                             | 055-059 | DMX Fail - Emergency Light (hold 3s)                      |                                                                              |
|    |                                             | 060-064 | No function                                               |                                                                              |
|    |                                             | 065-069 | Linear Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                             | 070-074 | Exponential Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                      |                                                                              |
|    |                                             | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                          |                                                                              |
|    |                                             | 085-089 | No function                                               |                                                                              |
|    |                                             | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                    |                                                                              |
|    |                                             | 095-099 | Medium Dimmer Response (hold 1,5s)                        |                                                                              |
|    |                                             | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                |                                                                              |
|    |                                             | 105-109 | No function                                               |                                                                              |
|    |                                             | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K) |                                                                              |
|    |                                             | 115-119 | Redshift Off (hold 1,5s)                                  |                                                                              |
|    |                                             | 120-124 | No function                                               |                                                                              |
|    |                                             | 125-129 | Full Calibration (Colors & CCT / hold 3s)                 |                                                                              |
|    |                                             | 130-134 | CCT Calibration (RAW Colors / hold 3s)                    |                                                                              |
|    |                                             | 135-139 | No function                                               |                                                                              |
|    |                                             | 140-144 | LED Frequency 800Hz (hold 3s)                             |                                                                              |
|    |                                             | 145-149 | LED Frequency 1200Hz (hold 3s)                            |                                                                              |
|    |                                             | 150-154 | LED Frequency 2000Hz (hold 3s)                            |                                                                              |
|    |                                             | 155-159 | LED Frequency 3600Hz (hold 3s)                            |                                                                              |
|    |                                             | 160-164 | LED Frequency 12KHz (hold 3s)                             |                                                                              |
|    |                                             | 165-169 | LED Frequency 25KHz (hold 3s)                             |                                                                              |
|    |                                             | 170-174 | No function                                               |                                                                              |
|    |                                             | 175-179 | Fan Auto (hold 3s)                                        |                                                                              |
|    |                                             | 180-184 | Fan Silent (hold 3s)                                      |                                                                              |
|    |                                             | 185-189 | Fan Off (hold 3s)                                         |                                                                              |
|    |                                             | 190-194 | Fan High Power (hold 3s)                                  |                                                                              |
|    |                                             | 195-199 | No function                                               |                                                                              |
|    |                                             | 200-214 | Invert Mapping Off (hold 3s)                              |                                                                              |
|    |                                             | 215-219 | Invert Mapping On (hold 3s)                               |                                                                              |
|    |                                             | 220-224 | No function                                               |                                                                              |
|    |                                             | 225-229 | LED Mode - Illumination (hold 1,5s)                       |                                                                              |
|    |                                             | 230-234 | LED Mode - Boost (hold 1,5s)                              |                                                                              |
|    |                                             | 235-239 | No function                                               |                                                                              |
|    |                                             | 240-244 | Factory Reset (hold 3s)                                   | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                             | 245-249 | User Reset (hold 3s)                                      | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                             | 250-255 | No function                                               |                                                                              |

| 41CH DIRECT |                                          |         |                                                                    |                                              |
|-------------|------------------------------------------|---------|--------------------------------------------------------------------|----------------------------------------------|
| CH          | Function                                 | Value   | Setting                                                            | Remark                                       |
| 1           | Master Dimmer                            | 000-255 | 0 - 100%                                                           |                                              |
| 2           | Master Dimmer Fine                       | 000-255 | 0 - 100%                                                           |                                              |
| 3           | Shutter                                  | 0-19    | Shutter close                                                      |                                              |
|             |                                          | 20-24   | Shutter open                                                       |                                              |
|             |                                          | 25-64   | Strobe 1 (fast + slow)                                             |                                              |
|             |                                          | 65-69   | Shutter open                                                       |                                              |
|             |                                          | 70-84   | Strobe 2: opening pulse (fast slow)                                |                                              |
|             |                                          | 85-89   | Shutter open                                                       |                                              |
|             |                                          | 90-104  | Strobe 3: closing pulse (fast slow)                                |                                              |
|             |                                          | 105-109 | Shutter open                                                       |                                              |
|             |                                          | 110-124 | Strobe 4: random strobe (fast slow)                                |                                              |
|             |                                          | 125-129 | Shutter open                                                       |                                              |
|             |                                          | 130-144 | Strobe 5: random opening pulse (fast slow)                         |                                              |
|             |                                          | 145-149 | Shutter open                                                       |                                              |
|             |                                          | 150-164 | Strobe 6: random closing pulse (fast slow)                         |                                              |
|             |                                          | 165-169 | Shutter open                                                       |                                              |
|             |                                          | 170-184 | Strobe 7: burst pulse (fast slow)                                  |                                              |
|             |                                          | 185-189 | Shutter open                                                       |                                              |
|             |                                          | 190-204 | Strobe 8: random burst pulse (fast slow)                           |                                              |
|             |                                          | 205-209 | Shutter open                                                       |                                              |
|             |                                          | 210-224 | Strobe 9: sine wave (fast slow)                                    |                                              |
|             |                                          | 225-229 | Shutter open                                                       |                                              |
|             |                                          | 230-244 | Strobe 10: burst (fast slow)                                       |                                              |
|             |                                          | 245-255 | Shutter open                                                       |                                              |
| 4           | Duration                                 | 000-255 | 0 - 100% (0ms - 510ms)                                             | only affects to channel 2 - Strobe 1 025-064 |
| 5           | Dimmer1                                  | 000-255 | 0-100%                                                             |                                              |
| 6           | Dimmer1 Fine                             | 000-255 | 0-100%                                                             |                                              |
| 7           | Red 1                                    | 000-255 | 0-100%                                                             |                                              |
| 8           | Red Fine1                                | 000-255 | 0-100%                                                             |                                              |
| 9           | Green 1                                  | 000-255 | 0-100%                                                             |                                              |
| 10          | Green Fine1                              | 000-255 | 0-100%                                                             |                                              |
| 11          | Blue1                                    | 000-255 | 0-100%                                                             |                                              |
| 12          | Blue Fine1                               | 000-255 | 0-100%                                                             |                                              |
| 13          | Amber 1                                  | 000-255 | 0-100%                                                             |                                              |
| 14          | Amber Fine 1                             | 000-255 | 0-100%                                                             |                                              |
| 15          | White 1                                  | 000-255 | 0-100%                                                             |                                              |
| 16          | White Fine 1                             | 000-255 | 0-100%                                                             |                                              |
| 17          | CTC 1<br>(affects RGBAW1)                | 000-004 | 5600K                                                              | according to CTC chart                       |
|             |                                          | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart) |                                              |
|             |                                          | 182-182 | 5600K                                                              |                                              |
|             |                                          | 226-226 | 6500K                                                              |                                              |
| 18          | Tint 1(affects CTC1 and RGBAW1)          | 0       | no function                                                        |                                              |
|             |                                          | 000-127 | Magenta -> Neutral                                                 |                                              |
|             |                                          | 128-128 | Neutral                                                            |                                              |
|             |                                          | 129-255 | Neutral -> Green                                                   |                                              |
| 19          | Color Macro 1<br>(override RGBAW1/ CTC1) |         | Please see Pomelo color macro chart                                |                                              |

|    |                                                                   |         |                                                                        |                        |
|----|-------------------------------------------------------------------|---------|------------------------------------------------------------------------|------------------------|
| 20 | Color Macro Cross Fade 1 (Transition Time between Color Macros 1) | 000-005 | No function                                                            |                        |
|    |                                                                   | 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)                                                    |                        |
| 21 | Dimmer 2                                                          | 000-255 | 0-100%                                                                 |                        |
| 22 | Dimmer 2 Fine                                                     | 000-255 | 0-100%                                                                 |                        |
| 23 | Red 2                                                             | 000-255 | 0-100%                                                                 |                        |
| 24 | Red Fine 2                                                        | 000-255 | 0-100%                                                                 |                        |
| 25 | Green 2                                                           | 000-255 | 0-100%                                                                 |                        |
| 26 | Green Fine 2                                                      | 000-255 | 0-100%                                                                 |                        |
| 27 | Blue 2                                                            | 000-255 | 0-100%                                                                 |                        |
| 28 | Blue Fine 2                                                       | 000-255 | 0-100%                                                                 |                        |
| 29 | Amber 2                                                           | 000-255 | 0-100%                                                                 |                        |
| 30 | Amber Fine 2                                                      | 000-255 | 0-100%                                                                 |                        |
| 31 | White 2                                                           | 000-255 | 0-100%                                                                 |                        |
| 32 | White Fine 2                                                      | 000-255 | 0-100%                                                                 |                        |
| 33 | CTC 2 (affects RGBAW 2)                                           | 000-004 | 5600K                                                                  | according to CTC chart |
|    |                                                                   | 005-182 | 2000K-6500K linear in 20-21K steps (please see detailed CTC chart)     |                        |
|    |                                                                   | 182-182 | 5600K                                                                  |                        |
|    |                                                                   | 226-226 | 6500K                                                                  |                        |
|    |                                                                   | 227-255 | 6621K-10.000K linear in 120-121K steps (please see detailed CTC chart) |                        |
| 34 | Tint 2(affects CTC2 and RGBAW2)                                   | 0       | no function                                                            |                        |
|    |                                                                   | 000-127 | Magenta -> Neutral                                                     |                        |
|    |                                                                   | 128-128 | Neutral                                                                |                        |
|    |                                                                   | 129-255 | Neutral -> Green                                                       |                        |
| 35 | Color Macro 2 (override RGBAW2/ CTC 2)                            |         | Please see Pomelo color macro chart                                    |                        |
| 36 | Color Macro Cross Fade 2 (Transition Time between Color Macros 2) | 000-005 | No function                                                            |                        |
|    |                                                                   | 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)                                                    |                        |
| 37 | Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2                | 000-015 | No Function                                                            |                        |
|    |                                                                   | 016-039 | Effect 1 (slow to fast)                                                |                        |
|    |                                                                   | 040-063 | Effect 2 (slow to fast)                                                |                        |
|    |                                                                   | 064-087 | Effect 3 (slow to fast)                                                |                        |
|    |                                                                   | 088-111 | Effect 4 (slow to fast)                                                |                        |
|    |                                                                   | 112-135 | Effect 5 (slow to fast)                                                |                        |
|    |                                                                   | 136-159 | Effect 6 (slow to fast)                                                |                        |
|    |                                                                   | 160-183 | Effect 7 (slow to fast)                                                |                        |
|    |                                                                   | 184-207 | Effect 8 (slow to fast)                                                |                        |
|    |                                                                   | 208-231 | Effect 9 (slow to fast)                                                |                        |
|    |                                                                   | 232-55  | Effect 10 (slow to fast)                                               |                        |
| 38 | Dimmer Curve                                                      | 000-051 | No Function - Current Preset from Menu Settings                        |                        |
|    |                                                                   | 052-101 | Linear Dimmer Curve                                                    |                        |
|    |                                                                   | 102-152 | Exponential Dimmer Curve                                               |                        |
|    |                                                                   | 153-203 | Logarithmic Dimmer Curve                                               |                        |
|    |                                                                   | 204-255 | S-Curve Dimmer Curve                                                   |                        |
| 39 | Dimmer Response                                                   | 000-063 | No Function - Current Preset from Menu Settings                        |                        |
|    |                                                                   | 064-127 | LED / fast                                                             |                        |
|    |                                                                   | 128-191 | Medium                                                                 |                        |
|    |                                                                   | 192-255 | Halogen / slow                                                         |                        |

|    |                                         |         |                                                            |                                                                              |
|----|-----------------------------------------|---------|------------------------------------------------------------|------------------------------------------------------------------------------|
| 40 | Redshift                                | 000-084 | No Function - Current Preset from Menu Settings            | Redshift affects only between CCT 2700-3500K                                 |
|    |                                         | 085-170 | Redshift Off                                               |                                                                              |
|    |                                         | 171-255 | Redshift On                                                |                                                                              |
| 41 | Device Settings<br>(please see remark*) | 000-029 | No function                                                |                                                                              |
|    |                                         | 030-034 | Display Backlight On (hold 3s)                             |                                                                              |
|    |                                         | 035-039 | Display Backlight Off (hold 3s)                            |                                                                              |
|    |                                         | 040-044 | No function                                                |                                                                              |
|    |                                         | 045-049 | DMX Fail Blackout (hold 3s)                                |                                                                              |
|    |                                         | 050-054 | DMX Fail Hold (hold 3s)                                    |                                                                              |
|    |                                         | 055-059 | DMX Fail - Emergency Light (hold 3s)                       |                                                                              |
|    |                                         | 060-064 | No function                                                |                                                                              |
|    |                                         | 065-069 | Linear Dimmer Curve (hold 1,5s)                            |                                                                              |
|    |                                         | 070-074 | Exponential Dimmer Curve (hold 1,5s)                       |                                                                              |
|    |                                         | 075-079 | Logarithmic Dimmer Curve (hold 1,5s)                       |                                                                              |
|    |                                         | 080-084 | S-Curve Dimmer Curve (hold 1,5s)                           |                                                                              |
|    |                                         | 085-089 | No function                                                |                                                                              |
|    |                                         | 090-094 | LED (Fast) Dimmer Response (hold 1,5s)                     |                                                                              |
|    |                                         | 095-099 | Medium Dimmer Response (hold 1,5s)                         |                                                                              |
|    |                                         | 100-104 | Halogen (Slow) Dimmer Response (hold 1,5s)                 |                                                                              |
|    |                                         | 105-109 | No function                                                |                                                                              |
|    |                                         | 110-114 | Redshift On (hold 1,5s / affects only between 2700-3500K ) |                                                                              |
|    |                                         | 115-119 | Redshift Off (hold 1,5s)                                   |                                                                              |
|    |                                         | 120-124 | No function                                                |                                                                              |
|    |                                         | 125-129 | Full Calibration (Colors & CCT / hold 3s)                  |                                                                              |
|    |                                         | 130-134 | CCT Calibration (RAW Colors / hold 3s)                     |                                                                              |
|    |                                         | 135-139 | No function                                                |                                                                              |
|    |                                         | 140-144 | LED Frequency 800Hz (hold 3s)                              |                                                                              |
|    |                                         | 145-149 | LED Frequency 1200Hz (hold 3s)                             |                                                                              |
|    |                                         | 150-154 | LED Frequency 2000Hz (hold 3s)                             |                                                                              |
|    |                                         | 155-159 | LED Frequency 3600Hz (hold 3s)                             |                                                                              |
|    |                                         | 160-164 | LED Frequency 12KHz (hold 3s)                              |                                                                              |
|    |                                         | 165-169 | LED Frequency 25KHz (hold 3s)                              |                                                                              |
|    |                                         | 170-174 | No function                                                |                                                                              |
|    |                                         | 175-179 | Fan Auto (hold 3s)                                         |                                                                              |
|    |                                         | 180-184 | Fan Silent (hold 3s)                                       |                                                                              |
|    |                                         | 185-189 | Fan Off (hold 3s)                                          |                                                                              |
|    |                                         | 190-194 | Fan High Power (hold 3s)                                   |                                                                              |
|    |                                         | 195-199 | No function                                                |                                                                              |
|    |                                         | 200-214 | Invert Mapping Off (hold 3s)                               |                                                                              |
|    |                                         | 215-219 | Invert Mapping On (hold 3s)                                |                                                                              |
|    |                                         | 220-224 | No function                                                |                                                                              |
|    |                                         | 225-229 | LED Mode - Illumination (hold 1,5s)                        |                                                                              |
|    |                                         | 230-234 | LED Mode - Boost (hold 1,5s)                               |                                                                              |
|    |                                         | 235-239 | No function                                                |                                                                              |
|    |                                         | 240-244 | Factory Reset (hold 3s)                                    | Reset only starts if Shutter channel is set to DMX 250                       |
|    |                                         | 245-249 | User Reset (hold 3s)                                       | Reset only starts if Shutter channel is set to DMX 250 / no self test by DMX |
|    |                                         | 250-255 | No function                                                |                                                                              |

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VERSION 1 OCT 2024







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