





1 - Safety information

Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock



Symbols used



This symbol signals an important safety precaution



The WARNING symbol signals a risk to the user's physical integrity The product may also be damaged



The CAUTION symbol signals a risk of product deterioration.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations

6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools. Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury

7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation

8 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk.

Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never been operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose

9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.



WARNING: This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact vour nearest dealer

In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.



Warning

This product is equipped with Class 2 LEDs. Please avoid looking directly at the beam as it may cause severe eye iniuries



Recycling your device

· As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.

· When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the

environment

11 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

12 - Cleaning precautions : Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire. Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

15 - This product should be serviced when :

- Please contact the qualified service personnel if :
- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water
- The product does not appear to operate normally - The product has been damaged
- 16 Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

17 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place

2 - Introduction

Thank you for purchasing the FLAG25i moving head. You now have in your possession a high-quality, powerful and intelligent device absolutely perfect for parties, animations, live events...

3 - Technical specifications

Light source

• 25 x 15W LEDs

- 4-in-1 : Red, Green, Blue and White from the same source
- Expected lifespan of 50,000 hours
- · Low temperature, low power consumption and works many hours continuously

Colours

- · Configure each LED independently
- Colour macro
- · Colour presets

Effects

- · Letter, figure and number patterns with customisable colours
- · Automatic or music-sensitive programs
- · Adjustable strobe and random strobe
- Random strobe and random pulse for each pixel
- 1 -25 flashes per second strobe and random strobe
- Adjustable electronic dimmer: 0 100%

Control

- Standard DMX-512
- 16, 21 and 117 DMX channels
- Ethernet port for Art-NET and KlingNET™ command protocols
- · Assignable patch to every channel
- · 22 built-in automatic and music-sensitive programs
- · Automatic detection of the DMX, slave or master mode
- · Colour LCD drop-down menu to choose and assign the different modes
- · Battery-operated memory system to address and choose modes without the 230V power supply
- · Compatible with RDM for console feedbacks

Movements

- 8 or 16 bits Pan and Tilt resolutions
- Ranges: Pan 540 or 630° Tilt 265°
- Infinite PAN and TILT rotation
- . The DMX and the menu allow you to adjust the movement speed
- · Position memory and auto repositioning

Optical

- Beamwidth (for each lens): 4°
- Light output: 29700 Lux at 5m

Additional characteristics

- Powercon® IN/OUT sockets
- 3 and 5-pin DMX IN/OUT sockets
- Adjustable fan speed
- Power consumption: 420W max.
- Power supply: 100/240V, AC 50/60Hz
- Net weight: 18.6 Kg

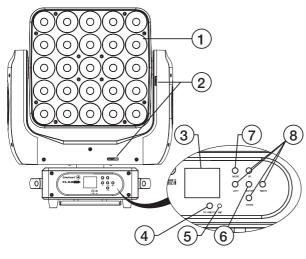
Package contents

- Your FLAG25i
- 2 fixation brackets with Omega holders
- The user guide
- 1x2-pole + earth power cord / Powercon[®] socket

NOTE:

The internal software can be upgraded via the DMX port, using a specific tool. This update can only be performed by a qualified technician.

4 - Description



1 - LEDs

2 - Locking latches

Allow you to lock the moving head movements while being transported.

3 - Display Allows you to visualise menus.

4 - DC SWITCH button

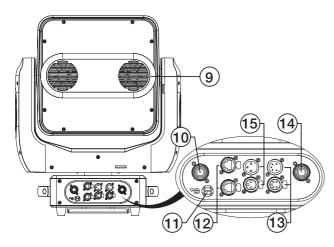
Switches the menu on when the moving head is not plugged in.

5 - MIC Used for music-sensitive modes.

6 - ENTER button Selects functions and saves changes.

7 - MODE button Allows you to browse through menus.

8 - UP / DOWN / LEFT / RIGHT Navigation button Allows you to browse through menus and change values.



9 - Cooling fans

10 - Power input socket Powercon[©] Neutrik[©] socket

11 - Fuse Fuse: T3.15A - 250V ; 5 x 20 mm

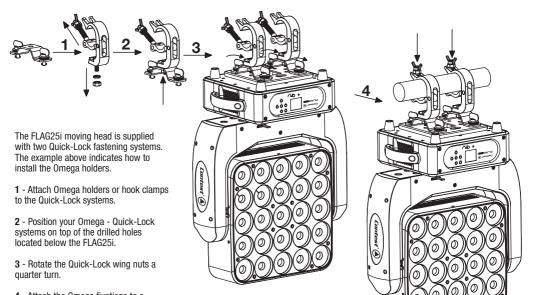
12 - Ethernet input/output RJ45 sockets.

13 - DMX Input/output via 5-pin XLR

14 - Power output Powercon[©] Neutrik[©] socket

15 - DMX Input/output via 3-pin XLR

5 - Installing Quick-Lock fastening systems



4 - Attach the Omega fixations to a structure and lock them.



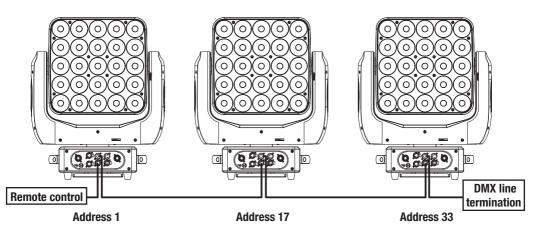
CAUTION ! Please make sure the hanging point is properly tightened

tightened. Using a safety wire is mandatory.

6 - Cabling, addressing and daisy chaining

Connecting the DMX remote control :

Connect the female plug of your XLR cable to your DMX remote control XLR output, then connect your cable male output to the moving head. Daisy chain your moving heads with XLR cables.



Using a DMX line termination :

When long runs of cable are used (more than 100m, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector. This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line.



Addressing the units :

Every unit must have a DMX address in order to respond to DMX signals. The address corresponds to the channel number on which the unit receives an incoming DMX signal sent by the DMX remote control. The DMX addressing can be performed by programming the channel number via the display located on the base of the unit.

You can either assign the same address to your units so they all react to the same signal, or assign a unique address per unit to control them independently.

In the example above, the FLAG25i uses 16 channels (standard mode).

You must skip 16 channels between each address you assign.

The address of the first unit will be 1, the second unit will be 17 (1+16), the third unit will be 33 (17+16) and so on.

NB : Once switched on, the FLAG25i automatically detects any incoming DMX signal and the display indicates the unit DMX address. If the unit does not receive any DMX signal, the display will flash. In such a case, please make sure the cable is properly plugged into the DMX input of your moving head, your remote control is switched on and the cables used are not defective.

Daisy chaining :

The POWERCON© input/output system allows you to daisy chain several FLAG25i units.

Warning: You cannot use the same chain to supply more than 8 FLAG25i at 220V.

When using a 9th moving head, please use a new power source.



7 - Menus

The FLAG25i features many menus allowing you to configure its every move and function.

Press MODE to access the main menu.

Use the navigation keys to browse through submenus. Then press ENTER to access a submenu.

Use the \bigwedge and \oint navigation keys to change values.

Press ENTER to save changes.

Press **MODE** again to leave a submenu.

Notes:

- Values in bold are the default values.
- In order to access menus when the moving head is turned off (thanks to the internal battery), press DC Switch and hold for more than 2 seconds. If the buttons are not used and remain inactive for 1 minute, the display will automatically turn off.
- When browsing through menus, values in blue are values currently in use. When entering a new value, it will be written in red until you save changes by pressing **ENTER**.

7.1 FUNCTION

This menu allows you to change the initial DMX address, visualise the channels DMX values and select an operating mode.

| Submenus | Lower menus | Values | Description |
|----------|-------------|---|---|
| Address | Set Address | From A001 to AXXX | Assigns a DMX address. The moving head automatically activates the DMX mode once the DMX address has been configured. |
| Audress | Slave Set | s From A001 to AXXX Assigns a DMX address. The moving head automatically activates the mode once the DMX address has been con Slave 1, Slave 2, Slave 3 Allows you to determine how the moving hereact when the slave mode is activated. Alone, Master Once the Automatic mode is activated, the head can operate by itself or as a Master u Once the Music-sensitive mode is activated. | Allows you to determine how the moving head will react when the slave mode is activated. |
| Program | Auto | Alone, Master | Once the Automatic mode is activated, the moving head can operate by itself or as a Master unit. |
| riogram | Sound | Alone, Master | Once the Music-sensitive mode is activated, the moving head can operate by itself (Alone) or as a Master unit (Master). |

7.2 INFORMATION

This menu allows you to visualise the moving head running time, its temperature, and the current version of the internal software.

| Submenus | Lower menus | Values | Description |
|-------------|--|--------------|--|
| | Current | XXXX (hours) | Current running time since the unit was last switched on. |
| | Total Time | XXXX (hours) | Overall running time since the very first time the device was switched on. |
| Time. Info | Last Clear | XXXX (hours) | Running time since the last running time reset. |
| | Timer PIN | PIN = 038 | Password allowing you to reset the Last Run Time. |
| | Clear Last | 0N/0FF | Allows you to reset the Last Run Time. |
| Temp. Info | Head. Temp | XXX °C/°F | Temperature of the projector head (°C). |
| Software. V | 1U01 V1.03 2U01 V1.03 3U01 V1.03 4U01 V1.03 | | Current version of the internal software. |
| Model. Info | FLAG25i | | Displays the name of your product |
| Error. Info | Pan, Tilt, | | Displays function error(s) |

7.3 PERSONALITY

This menu allows you to configure the moving head reactions, adjust the ventilation, customise the display and reset all functions to factory settings.

| Submenus | Lower menus | Values | Description |
|----------|--------------|--|--|
| | Remote. Add | ON/OFF | Activates the addressing via a DMX controller function. |
| Status | No DMX Mode | Close Shutter/ Hold /Auto Program/ Music Control | Configures the moving head reactions in case of DMX signal interruptions: • Close Shutter: The projector blacks out • Hold: The projector holds onto the last information received • Auto Program: The projector activates the Auto mode via built-in programs • Music Program: The projector activates the Music-sensitive mode via built-in programs |
| | Pan Reverse | ON/ OFF | Reverses PAN movements. |
| | TiltReverse | ON/ OFF | Reverses TILT movements. |
| | Pan Degree | Pan 540 Pan 630 | Determine the PAN movement range : Pan540 : 540° rotation (1, 5 turn) Pan630 : 630° rotation (1, 75 turn) |
| | Tilt. Degree | Tilt 215 Tilt 270 | Determine the TILT movement range : Tilt215 : 215° rotation (0,6 turn) Tilt270 : 270° rotation (0, 75 turn) |
| | Feedback | ON/OFF | The projector sends movement feedbacks |

| Submenus | Lower menus | Va | lues | Description | |
|----------------|---|---|-----------------|--|--|
| | Mov Speed | Speed 1 ~ 4 | | Determines the AUTO mode movement speed : 1 = fastest ; 4 = slowest | |
| Status | Mic Sens | 0 ~ 99% | | Configures the internal mic sensitivity when using the music-sensitive mode | |
| (continuation) | Stand By | 0FF 01m ~99m (05m |) | Sets a timer for the moving head to enter the sleep mode if no DMX signal has been received. The moving head will automatically resets when a DMX signal is detected again. The default value is 15 minutes. | |
| Fans. Set | Auto High | 02 ~60m (05m) 0N/0FF 0N/0FF 0N/0FF | | Allows you to adjust the fans speed (e.g. to reduce their noise) | |
| | ShutoffTime | 02 ~60m (05m) | | Timer after which the display shuts off when it remain inactive. | |
| | Display Rev | ON/ OFF | | Rotates the display on a 180° angle | |
| LCD. Set | Key Lock | 0N/ 0FF | | Allows you to lock the keyboard after a 15-second period of inactivity. The keyboard can be unlocked by pressing the Menu button for 3 seconds. | |
| | Disp Flash | ON/OFF | | The display flashes when no DMX signal is detected. | |
| Temp. C/F | Celsius / Fahrenheit | ON/ OFF | | Allows you to choose which unit of temperature will be displayed. | |
| Dim. Curve | Standard Stage T V Architectur Theatre | | | The dimmer gradation speed depends on the mode used. Please refer to chapter 8.2 for more information about this. | |
| Init. Status | Service PIN = XXX Auto Pro = XXX PAN = XXX etc | | | Allows you configure the initial state of each function when the projector is switched on. | |
| Default | ON/ OFF | | | Resets to factory settings. Please note that user programs will be erased. | |
| ChannelValue | PAN, TILT, | | | Displays the value of each channel | |
| | | Service PIN | PIN=XXX | Service PIN 050 | |
| | | RDM PID | XXXXX | Displays the RDM PID code | |
| Ethornot | FixtureID | Unit IP Addr | XXX.XXX.XXX.XXX | Sets the IP address of your device | |
| Ethernet | | Universe | 000 - 255 | Sets the Universe address of your device | |
| | ProtocolSet | ArtNet, KlingNet | | Allows you to choose the Internet protocol used | |
| | NetSwitch | ON/OFF | | Activates or deactivates the Ethernet output | |

7.4 Reset

This menu allows you to reset the motors step-by-step (e.g. if positioning errors are detected).

| Submenus | Description |
|--------------|-----------------------------|
| Reset ALL | Resets all motors. |
| ResetPanTilt | Resets PAN and TILT motors. |

7.5 User Mode

This menu allows you to choose one of the preset DMX modes (number of channels used) or edit your own patch (order and number of channels used).

Next chapter will detail more precisely functions assigned to each channel depending on the mode used.

| Submenus | Values | Description |
|-----------|------------------------------------|--|
| | Standard | This default mode uses 21 DMX channels with the most frequently used functions. |
| | Basic | Uses 16 channels, this is the simplest mode. |
| User Mode | Extend | This mode uses 117 channels, allowing you to separately control each colour of each LED independently |
| | User A | User Mode A |
| | User B | User Mode B |
| | User C | User Mode C |
| Edit A | Max Chan = XX PAN = CHXX etc | User mode A editing : - Max Channel is the number of channels used. - PAN = CHXX is the channel used by the PAN function. When a function is moved to another channel, it will be replaced by the former function using the same channels. |
| Edit B | Max Chan = XX PAN = CHXX etc | Similar |
| Edit C | Max Chan = XX PAN = CHXX etc | Similar |

7.6 Edit Program

This menu allows you to select the programs assigned to each of the 3 program groups, edit the 9 built-in programs and edit the 250 scenes forming these programs.

The FLAG25i can be assigned to 3 different slave groups (via the Slave mode function in the Function menu).

The designated Master unit sends programs containing slave groups information.

Programs are sent in a loop as follows :

Slave units receive every program but only reacts to those assigned to their group. A unit assigned to the Slave 2 group will only react to the Auto Pro Part 2 program.

| Submenus | Valu | es | Description |
|-------------|---|--|---|
| Select. Pro | Pro Part1 = Program 1 ~ Pro Part2 = Program 1 ~ Pro Part3 = Program 1 ~ | 10 (Program 2) | Allows you to assign one of the 9 internal programs to each Pro Part X |
| EditProgram | Program 1 Program 2 Program 10 | • Pro Test • Step 01 ~ 64 | Allows you to select the scenes assigned to each program. Press ENTER to assign one of the available scenes to each step. A single scene can be assigned to different steps. Assign the End scene to the last step of the program to set the end of the program. Use the Pro Test submenu to visualise the scenes assigned to the program you are currently editing. |
| Edit. Sce | Scene 001 Scene 002 Scene 250 | Auto Program, PAN, TILT Fine, Scene Time Fade Time Input By Outside | This submenu allows you to edit one of the 250 scenes. Select a scene and press ENTER. Sélect each function (PAN, TILT,etc) and press ENTER, then assign a value included between 000 and 255 to each function. Then indicate the scene duration (in seconds) and the fade out duration. The Input By Outside function allows you to receive a scene sent by a DMX controller. |
| Sce. Input | XXX - XXX | | This submenu allows you to automatically record a scene sent by a DMX controller. You can store up to 250 scenes. Indicate the number of scenes you want to save, precising the opening and ending scenes. The opening scene selection uses the left and right arrow buttons. The ending scene selection uses the up and down arrow buttons. Press ENTER. The moving head now awaits incoming scenes from the DMX controller. |

More details about program groups sequencing and scenes they include:

Example : Program 2 includes scenes 10, 11, 12 and 13 Program 4 includes scenes 8, 9 and 10 Program 6 includes scenes 12, 13, 14 and 15

Auto Pro Part 1 is assigned to program 2 Auto Pro Part 2 is assigned to program 4 Auto Pro Part 3 is assigned to program 6

The 3 slave groups will run the programs according to the same number of steps as follows:

| Scène 10 | Scène 11 | Scène 12 | Scène 13 |
|----------|----------|----------|----------|
| | | | |
| Scène 8 | Scène 9 | Scène 10 | Scène 8 |
| | | | |
| Scène 12 | Scène 13 | Scène 14 | Scène 15 |

7.7 Effect

This menu allows you to test and manually control each function, and recalibrate PAN and TILT movements.

| Submenus | Values | Description |
|--------------|--------------------------------|---|
| Test. Chan | AUTO PAN etc | Tests each function individually. |
| Manual. Ctrl | AUTO = XXX PAN = XXX etc | Controls each function manually. |
| | -Password- | Password to unlock calibration = 050 |
| Calibrate | PAN = XXX TILT = XXX | Allows you to set very precisely the initial PAN and TILT positions (after a reset or when the moving head is turned on). |

8 - Dmx channels and their functions

The FLAG25i moving head includes 3 preset DMX modes :

The Basic mode features 16 channels, the Standard mode features 21 channels and the Expert mode features 117 channels.

The following chart indicates DMX values of each channels.

Note : St = Standard, Ba = Basique et Ex = Expert.

8.1 DMX channels

| Modes / Channels | | DMX values | Functions and effects | | | | |
|------------------|----|------------|-----------------------|---|----------------------|----------------------|---------|
| St | Ba | Ex | | | | | |
| | | | PAN movement | | | | |
| 1 | 1 | 1 | 000 - 255 | PAN movement | | | |
| | | | 16-bit PAN movemer | t | | | |
| 2 | | 2 | 000 - 255 | Very precise PAN movement settings | | | |
| | | | TILT movement | | | | |
| 3 | 2 | 3 | 000 - 255 | TILT movement | | | |
| | | | 16-bit TILT movemer | | | | |
| 4 | | 4 | | 000 - 255 Very precise TILT movement settings | | | |
| | | | PAN/TILT movements | | | | |
| | | | 000 - 225 | Fast to slow speed settings | | | |
| 5 | 3 | 5 | 226 - 235 | Black out during movements | | | |
| | | | 236 - 255 | No function, max speed | | | |
| | | | Non-stop PAN move | | | | |
| | | | 000 - 127 | No function | | | |
| 6 | 4 | 6 | 128 - 189 | Rotation continue dans le sens horaire de rapide vers lent | | | |
| 0 | | | 190 - 193 | Pas de rotation | | | |
| | | | 194 - 255 | Rotation continue dans le sens anti-horaire de lent vers rapide | | | |
| | | | Mouvement TILT co | · · | | | |
| | | | 000 - 127 | Pas de fonction | | | |
| 7 | 5 | 7 | 128 - 189 | Clockwise fast-to-slow rotation | | | |
| | | | 190 - 193 | No rotation | | | |
| | | | 236 - 255 | Counterclockwise slow-to-fast rotation | | | |
| | | | | Strobe | | | |
| | 6 | | 000-007 | LEDs off | | | |
| | | | 008-014 | No function, LEDs on | | | |
| | | 6 | | | 015-054 | Slow to fast strobe | |
| | | | | | 055-061 | No function, LEDs on | |
| | | | | | | | 062-101 |
| 8 | | | 8 | 102-108 | No function, LEDs on | | |
| | | | 109-148 | Slow to fast random strobe | | | |
| | | | 149-155 | No function, LEDs on | | | |
| | | | 156-195 | Slow-to-fast random pulse per pixel | | | |
| | | | 196-202 | No function, LEDs on | | | |
| | | | 203-242 | Slow-to-fast random strobe per pixel | | | |
| | | | 243-255 | No function, LEDs on | | | |
| | | | Dimmer | | | | |
| 9 | 7 | 9 | 000 - 255 | Intensity: 0 - 100% | | | |
| All I EDs red | | | | | | | |
| 10 | 8 | | 000 - 255 | 000 : Black out - 255 : red 100% | | | |
| 11 | 9 | | All LEDs green | | | | |
| 11 | 9 | | 000 - 255 | 000 : Black out - 255 : vert 100% | | | |

English

| 13 11 All LEB white 000-255 000: Black out - 255: blanc 100% 14 10 All LEB white 000-025 000: Black out - 255: blanc 100% 14 10 Ecolour merces 000-007 No function from Netor to Com 14 10 Ecolour merces 000-007 No function from Netor to Com 14 10 Ecolour merces 000-007 No function from Netor to Com 15 10 From Netor to Com No function 000-007 16 100-007 From Netor to Com 17 From Netor to Com No function 18 190 From Netor to Com 191 200-021 From Netor to White 200-024 No function 000-004 000-004 No function 000-004 000-004 No function 000-004 000-004 White S000°K 000-004 000-004 White S000°K 000-004 000-004 Kagenta 000-004 000-004 Kagenta 000-004 000-004 Kagenta 000-004 <t< th=""><th>10</th><th>10</th><th></th><th>ALL LEDs blue</th><th></th></t<> | 10 | 10 | | ALL LEDs blue | |
|--|----|----|----|----------------|---|
| 13 11 000-025 000: Black out - 255: Blane: 100% 000-007 No function 000-007 No function 14 10 10 From Red to Velow 14 10 10 From Green to Qan 18 10 From Green to Qan 10 14 10 From State to Magentia 10 10 104: 135 From Blue to Magentia 10 10 104: 135 From Blue to Magentia 10 200: 231 From Red to White 202: 255: Slow to fast Rainbow effect Preset Colurs 000-004 Mo function 000: 005 005: 005 White 500°K 010: 014 White 300°K 005: 005 025: 028 White 500°K 005: 0059 025: 028 <td>12</td> <td>10</td> <td></td> <td>000 - 255</td> <td>000 : Black out - 255 : bleu 100%</td> | 12 | 10 | | 000 - 255 | 000 : Black out - 255 : bleu 100% |
| 14 100 - 265 000: Black out - 265: blane 100% 14 10 Colour marces 10 000 - 007; No function 002 - 003 From Netion to Conn 004 - 071 From Yellow to Green 005 - 007 From Open to Due 136 - 167 From Read to Velow 200 - 231 From Read to Velow 136 - 167 From Read to Velow 200 - 231 From Read to Velow 000 - 004 No function 000 - 004 No function 005 - 004 Noite 5000°K 005 - 004 Noite 5000°K 005 - 005 Turquoise 006 - 0044 <td< td=""><td>10</td><td></td><td></td><td>All LEDs white</td><td></td></td<> | 10 | | | All LEDs white | |
| 14 00 000 No function 14 10 000 From Red to Nolw 000 040 071 From Green to Ogan 000 041 135 From Green to Ogan 000 136 137 From Green to Ogan 000 138 139 From Green to Ogan 000 138 139 From Red to White 000 232 255 Slow to fast Rainbow effect 000<004 | 13 | 11 | | 000 - 255 | 000 : Black out - 255 : blanc 100% |
| 14 00 000 No function 14 10 000 From Red to Nolw 000 040 071 From Green to Ogan 000 041 135 From Green to Ogan 000 136 137 From Green to Ogan 000 138 139 From Green to Ogan 000 138 139 From Red to White 000 232 255 Slow to fast Rainbow effect 000<004 | | | | Colour macros | |
| 14 10 040.071.00000000000000000000000000000000 | | | | | No function |
| 14 10 040.071.00000000000000000000000000000000 | | | | 008 - 039 | From Red to Yellow |
| 14 10 104 - 133 From Cyan to Blue 104 - 133 From Cyan to Blue 200 - 231 From Reg to Magenta 168 - 199 From Magenta to Red 200 - 231 From Red to Magenta 232 - 235 Slow to fast Rainbow effect Preat colours 000-004 No function 000-004 No function 000-004 No function 000-004 No function 000-004 Write 200°K 015-019 Write 3200°K 015-019 Write 3200°K 015-019 Write 3200°K 020-024 Write 600°K 020-024 Write 6300°K 020-024 Write 6300°K 020-024 Write 6300°K | | | | | From Yellow to Green |
| 14 10 104 - 135 From Que to Magenta 136 - 167 From Blue to Magenta 664 200 - 231 From Regreta to field 200 - 232 222 - 255 Silow to fast Rainbow effect 900 - 004 No function 000 - 004 White 3000° K 002 - 024 White 5000° K 002 - 024 White 5000° K 002 - 024 White 5000° K 003 - 034 White 5000° K 004 - 044 Magenta 046 - 044 Option 055 - 559 Turquoise 060 - 064 Light green 065 - 665 Steel blue 075 - 079 Straw 069 - 084 | | | | | * |
| 15 11 136 - 197 From Magenta to Red 183 - 199 From Magenta to Red 200 - 231 From Red to White 232 - 255 Slow to fast Rainbow effect 200 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 000 - 004 No function 016 - 019 White 3000 "K 000 - 004 000 - 004 020 - 024 White 6000 "K 000 - 004 006 - 004 035 - 039 Turgoste 006 - 004 Salmon 055 - 059 Turgoste 006 - 004 Light tayender 005 - 069 Salmon 005 - 069 Not 005 - 069 Pink 000 - 064 Light tayender 005 - 069 Pink 000 - 064 <td> 14</td> <td></td> <td> 10</td> <td></td> <td>***************************************</td> | 14 | | 10 | | *************************************** |
| 15 188 - 199 From Red to White 200 - 231 From Red to White 202 - 255 Sick to fast Rainbow effect 97:09-004 No function 005-009 White 2700°K 010-014 White 2700°K 010-014 White 2700°K 010-014 White 2700°K 010-014 White 2700°K 010-014 White 2500°K 005-009 White 500°K 020-024 White 500°K 005-009 003-009 020-024 White 500°K 003-009 004-004 White 500°K 005-009 White 500°K 003-009 035-039 Yellow 006-064 Science 007-074 040-044 Magenta 004-044 Magenta 006-065 055-059 Turquoise 006-064 Light symmeta 006-064 055-069 Turquoise 007-074 Orange 075-079 Staw 080-084 Light symmeta 006-064 Light symmeta 006-064 Light symmeta 080-084 Light symmeta 006-064 Light symmeta 006-064 Lig | | | | | * |
| 15 11 From Red to White 232 - 235 Slow to fast Ranhow effect 900-004 No function 000-004 No function 005-009 White 200°K 011-014 White 200°K 011-014 White 300°K 025-029 White 300°K 025-029 White 500°K 025-029 White 500°K 025-024 White 500°K 025-029 White 500°K 030-034 Weilew 025-029 Scienton 040-044 Magenta 040-044 Magenta 045-059 Furquisis 055-059 Furquisis 055-059 Furquisis 055-059 Furquisis 050-054 Light sevender 025-029 Straw 080-084 Light sevender 085-089 Pink 090-094 Green 090-094 Green 095-099 | | | | | *************************************** |
| 15 232 - 255 Slow to fast Ranbow effect Preset coluurs 000-004 No function 005-009 White 220°K 010-014 015-019 White 220°K 010-014 015-019 White 320°K 020-024 020-024 White 560°K 025-029 030-034 White 560°K 030-034 040-044 Magenta 044-044 040-044 Magenta 045-049 040-044 Light tevender 055-059 Straw 080-084 040-095-099 Fed 105-108 040-094 Green 095-094 051-099 <td< td=""><td></td><td></td><td></td><td></td><td>*</td></td<> | | | | | * |
| 15 Preset colours 000-004 No function 000-004 White 2700"K 010-014 White 3200"K 015-019 White 3300"K 025-029 White 6500"K 025-029 White 6500"K 025-029 White 6500"K 030-024 White 6500"K 033-034 White 800"K 035-035 Value 040-044 Mageria 045-049 Oyan 055-059 Turquise 055-059 Turquise 070-074 Orange 075-079 Straw 080-084 Light lavender 085-089 Pink 090-084 Green 090-084 Green 095-099 Red 109-104 Bue 100-104 Bue 100-104 Bue | | | | | * |
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| 15 11 030-034 White 8000°K 035-039 Vellow 040-044 Magenta 045-049 Cyan 050-054 Salmon 050-054 Salmon 055-059 Turquoise 066-064 Light green 065-069 Steel blue 070-074 Orange 075-079 Straw 080-084 Light lavender 080-084 080-084 080-094 Light lavender 080-084 Green 080-094 Green 080-094 Blue 100-104 Blue 110-114 Rainbow Effect 2 120-124 Rainbow Effect 2 120-124 Rainbow Effect 2 120-124 Rainbow Effect 3 125-129 Rainbow Effect 3 130-134 Rainbow Effect 4 130-134 Rainbow Effect 5 135-139 Rainbow Effect 6 140-144 Rainbow Effect 1 150-154 Rainbow Effect 1 150-154 156-159 150-154 Rainbow Effect 10 156-159 156-159 160-164 | | | | h | *************************************** |
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| I I I 195-199 Bainbow Effect 18 | | | | | *************************************** |
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| 131-133 Preset pattern 5 | |
| 134-136 Preset pattern 6 | |
| 137-139 Preset pattern 7 | |
| 140-142 Preset pattern 8 | |
| 143-145 Preset pattern 9 | |
| 146-148 Preset pattern 10 | |
| 149-151 Preset pattern 11 | |
| 152-154 Preset pattern 12 | |
| 155-157 Preset pattern 13 | |
| 158-160 Preset pattern 14 | |

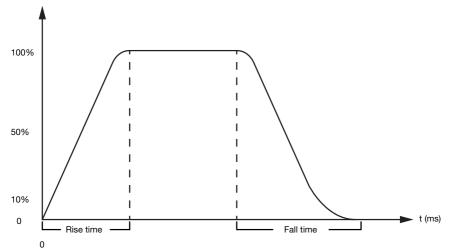
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| 041-045 Automatic program 7 with automatic colo | |
| 046-050 Automatic program 8 with automatic colo | |
| 051-055 Automatic program 9 with automatic colo | |
| 056-060 Automatic program 10 with automatic col | |
| 061-065 Automatic program 11 with automatic col | lours |
| 066-070 Automatic program 12 with automatic col | lours |
| 071-075 Automatic program 13 with automatic col | lours |
| 076-080 Automatic program 14 with automatic col | lours |
| 081-085 Automatic program 15 with automatic col | lours |
| 086-090 Automatic program 16 with automatic col | lours |
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| 096-100 Automatic program 18 with automatic col | lours |
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| 106-110 Automatic program 20 with automatic col | |
| 111-115 Automatic program 21 with automatic col | |
| 116-120 Automatic program 22 with automatic col | |
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| 126-130 Automatic program 2 with customized co | |
| 131-135 Automatic program 3 with customized co | |
| 136-140 Automatic program 4 with customized co | |
| 141-145 Automatic program 5 with customized co | |
| 146-150 Automatic program 6 with customized co | |
| 151-155 Automatic program 7 with customized co | |
| 156-160 Automatic program 8 with customized co | lours |
| 161-165 Automatic program 9 with customized co | lours |
| 166-170 Automatic program 10 with customized c | olours |
| 171-175 Automatic program 11 with customized c | olours |
| 176-180 Automatic program 12 with customized c | olours |

| | | | 181-185 | Automatic program 13 with customized colours | | |
|---------|---------------|---------|-------------------------------|--|--|--|
| | | | 186-190 | Automatic program 14 with customized colours | | |
| | | | 191-195 | Automatic program 15 with customized colours | | |
| | 13 | | 196-200 | Automatic program 16 with customized colours | | |
| 18 | (conti- | 14 | 201-205 | Automatic program 17 with customized colours | | |
| (suite) | nua- tion) | (suite) | 206-210 | Automatic program 18 with customized colours | | |
| | | | 211-215 | Automatic program 19 with customized colours | | |
| | | | 216-220 | Automatic program 20 with customized colours | | |
| | | | 221-225 | Automatic program 21 with customized colours | | |
| | | | 226-255 | Automatic program 22 with customized colours | | |
| 19 | 14 | 15 | Program speed | | | |
| 19 | 14 | 15 | 000 - 255 | Slow to fast | | |
| 20 | 15 | 10 | Transition speed | | | |
| 20 | 15 | 16 | 000 - 255 | Fast to slow | | |
| | | | Internal programs and options | | | |
| | | 17 | 000 - 079 | No function | | |
| | | | 080 - 084 | Resets all motors | | |
| | | | 085 - 087 | Resets PAN and TILT motors | | |
| | 16 | | 088 - 099 | No function | | |
| | | | 100 - 119 | Built-in program 1 - Scenes from 1 to 8 | | |
| 21 | | | 120 - 139 | Built-in program 2 - Scenes from 9 to 16 | | |
| | | | 140 - 159 | Built-in program 3 - Scenes from 17 to 24 | | |
| | | | 160 - 179 | Built-in program 4 - Scenes from 25 to 32 | | |
| | | | 180 - 199 | Built-in program 5 - Scenes from 33 to 40 | | |
| | | | 200 - 219 | Built-in program 6 - Scenes from 41 to 48 | | |
| | | | 220 - 239 | Built-in program 7 - Scenes from 49 to 56 | | |
| | | | 240 - 255 | Music-sensitive program - Program 1 scenes | | |
| | | 10 | LED 1 Red | | | |
| | | 18 | 000 - 255 | 000 : Black out - 255 : red 100% | | |
| | | 19 | LED 1 Green | | | |
| | | 19 | 000 - 255 | 000 : Black out - 255 : green 100% | | |
| | | 00 | LED 1 Blue | | | |
| Í | | 20 | 000 - 189 | 000 : Black out - 255 : blue 100% | | |
| í | | 01 | LED 1 White | | | |
| | | 21 | 000 - 255 | 000 : Black out - 255 : blue 100% | | |
| | | | | | | |

| | 4 | 4.4 | LED 25 Red | | |
|--|-----|-----|--------------|------------------------------------|------------------------------------|
| | | 14 | 000 - 255 | 000 : Black out - 255 : red 100% | |
| | 1 | 15 | LED 25 Green | | |
| | 1 | 15 | 000 - 255 | 000 : Black out - 255 : green 100% | |
| | 4 | 10 | LED 25 Blue | | |
| | | 16 | 000 - 255 | 000 : Black out - 255 : blue 100% | |
| | 117 | | LED 25 White | | |
| | | | 17 | 000 - 255 | 000 : Black out - 255 : white 100% |

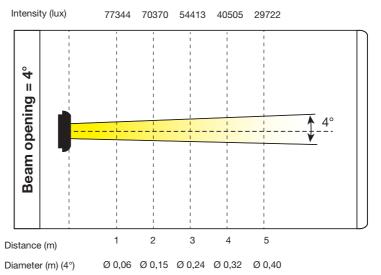
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8.2 Different dimmer modes



| | From 0 - 255 with a | 0 second fading time | From 0 - 255 with a 1 second fading time | |
|---------------|-----------------------------|-----------------------------|--|--------------------------|
| Dimmer modes | Rise time in millisecond | Fall time in millisecond | Rise time in millisecond | Fall time in millisecond |
| Standard | 0 | 0 | 0 | 0 |
| Scene | 780 | 1100 | 1540 | 1660 |
| Television | 1180 | 1520 | 1660 | 1940 |
| Architectural | 1380 | 1730 | 2040 | 2120 |
| Theatre | 1580 | 1940 | 2230 | 2280 |

9 - Photometric datas



10 - Error messages

Once switched on the unit will launch an initialisation. The display will indicate «Error channel is XX» if a problem occurs with one or several channels.

The unit will then reset all its motors to their initial positions. The message may keeps appearing after 3 resets, meaning there are more than 3 errors. Channels cannot operate properly in the event of 3 errors or more, if they are less than 3 errors the defective channels will be disabled.

Error channel is 05: PAN movement error (yoke).

This message will appear upon initialisation if the PAN position magnetic sensor of your device is defective.

Error channel is 06: TILT movement error (head).

This message will appear upon initialisation if the TIL position magnetic sensor of your device is defective.

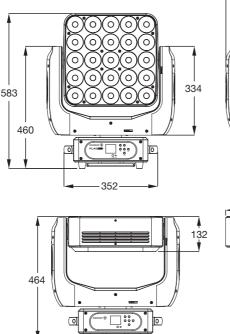
Errors may have various origins. Sensors are used to set the motors in their default position.

Either the magnetic sensors are defective, or the magnets have been displaced.

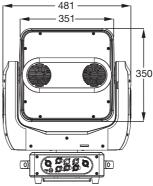
Problems might also come from a defective motor or the motor electronic management.

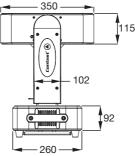
In any case, please write down the error displayed and contact your retailer to launch a maintenance procedure.

11 - Dimensions



280





Because CONTEST® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.