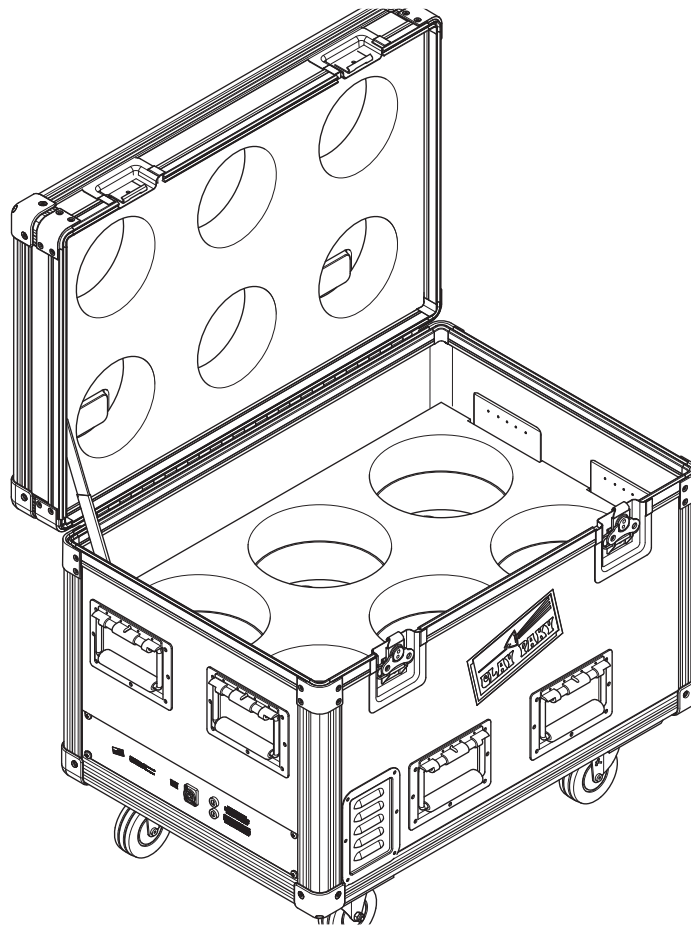
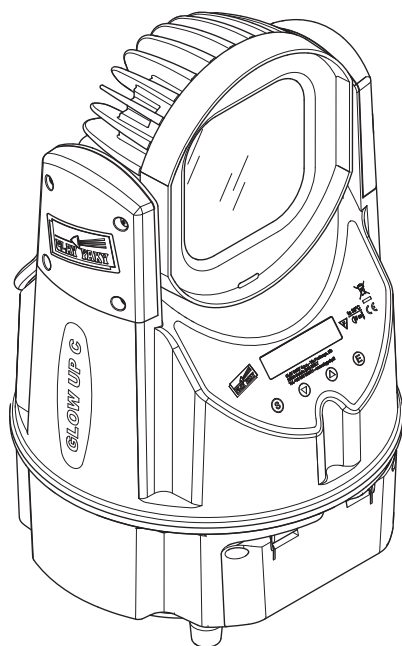




### INSTRUCTIONS MANUAL

**PRELIMINARY**



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4	Control panel
7	Main menu
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15	Optional accessories
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16	Cause and solution of problems
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*Congratulations on choosing a Clay Paky product!*

*We thank you for your choice. Please note that this product, as all the others in the rich Clay Paky range, has been designed and manufactured with total quality to ensure excellent performance and best meet your expectations and requirements.*

Carefully read this instruction manual in its entirety and keep it safe for future reference.

It is essential to know the information and comply with the instructions given in this manual in order to ensure the fitting is installed, used and serviced correctly and safely.

CLAY PAKY S.p.A. disclaims all liability for damage to the fitting or to the other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this instructions manual, which must always accompany the fitting.

CLAY PAKY S.p.A. reserves the right to modify the characteristics stated in this instructions manual at any time and without prior notice.

## SAFETY INFORMATION GLOW UP

### • Installation

Make sure all parts for fixing the projector are in a good state of repair. Make sure the point of anchorage is stable before positioning the projector.

The safety chain must be properly hooked onto the fitting and secured to the framework, so that, if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used, it needs to be replaced with a genuine spare.

### • Minimum distance of illuminated objects

The projector needs to be positioned so that the objects hit by the beam of light are at least 0.2 metres (8" 2") from the lens of the projector.

### • Minimum distance from flammable materials

The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

### • Mounting surfaces

It is permissible to mount the fitting on normally flammable surfaces.

### • Maximum ambient temperature

Do not use the project if ambient temperature ( $T_a$ ) exceeds 40°C.

### • IP65 protection rating

The equipment is fully protected against dust (first digit 6) and against jets of water (second digit 5).

### • Protection against electrical shock

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).

It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

### • Connection to the power mains

A qualified electrician must perform connection to the power mains.

Check that the mains frequency and voltage correspond to the frequency and voltage for which the projector was designed and indicated on the electrical data label.

This label also gives the input power. Refer to the latter to evaluate the maximum number of devices to be connected to the mains to avoid overloads.

### • External surface temperature

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 90°C (320°F).

### • Maintenance

Before starting any maintenance work or cleaning the projector, cut off power from the supply mains. After switching off, do not remove any parts of the fitting for at least 10 minutes. The lenses must be mounted and, if visibly damaged, they have to be replaced with genuine spares.

### • Battery

This product contains a lithium iron tetraphosphate rechargeable battery. To protect the environment, please discard the battery at the end of its life cycle according to current law. Instructions on how to remove the battery from the equipment are available at [www.claypaky.it](http://www.claypaky.it).



$t_a$  40°C

IP65



$t_c$  90°C



The products referred to in this manual conform to the European Community Directives to which they are subject:

- Low Voltage Directive 2006/95/EC
- Electromagnetic Compatibility Directive 2004/108/EC

## SAFETY INFORMATION FLIGHT CASE

### • Installation

Ensure that the Flight Case, when used for charging Glow UP, is positioned at a distance of 15 cm from any surface or wall, to allow proper ventilation.

$t_a$  40°C

### • Maximum ambient temperature

Do not operate the device if ambient temperature ( $T_a$ ) exceeds 40°C.

IP20

### • IP20 protection rating

The fitting is protected against penetration by solid bodies of over 12mm (0.47") in diameter (first digit 2), but not against dripping water, rain, splashes or jets of water (second digit 0).



### • Protection against electrical shock

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).

It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

### • Connection to the power mains

A qualified electrician must perform connection to the power mains.

Check that the mains frequency and voltage correspond to the frequency and voltage for which the projector was designed and indicated on the electrical data label.

This label also gives the input power. Refer to the latter to evaluate the maximum number of devices to be connected to the mains to avoid overloads.



### • Maintenance

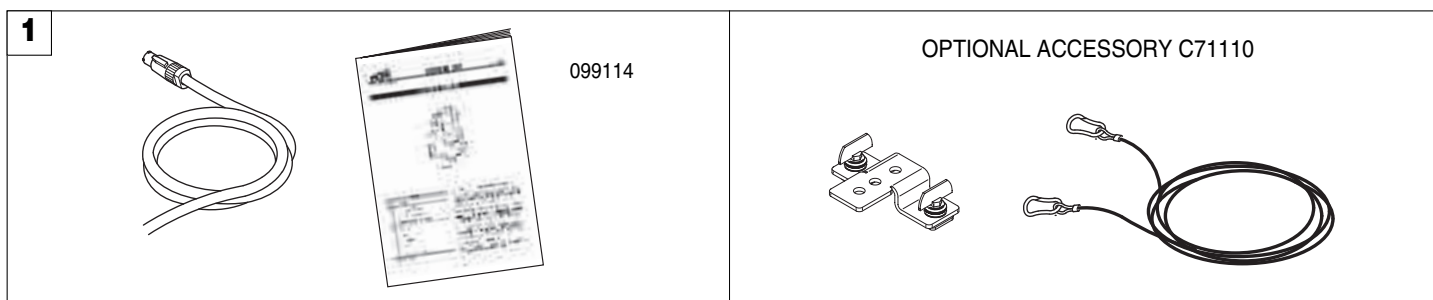
Before starting any maintenance work or cleaning, cut off power from the supply mains.



The products referred to in this manual conform to the European Community Directives to which they are subject:

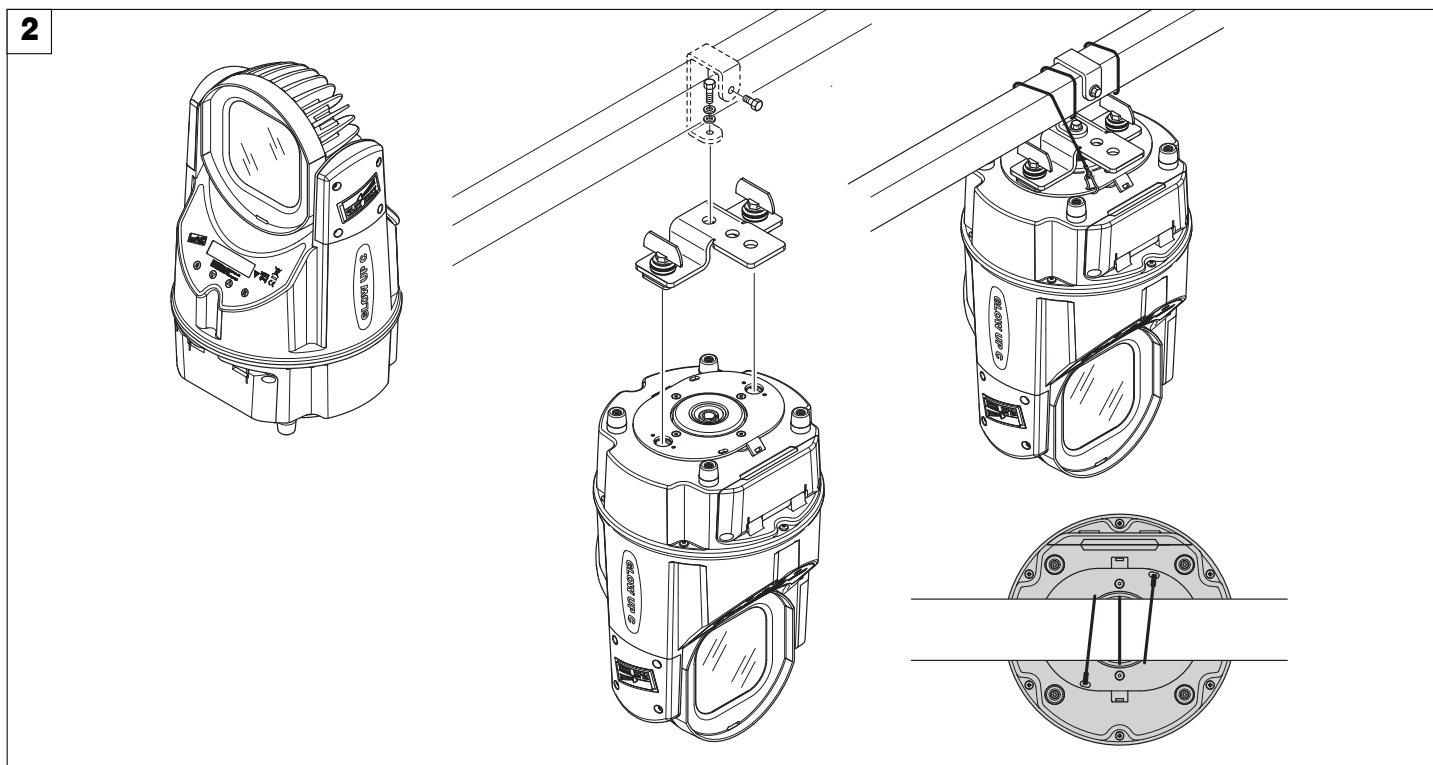
- Low Voltage Directive 2006/95/EC
- Electromagnetic Compatibility Directive 2004/108/EC

## UNPACKING AND PREPARATION



Packing content - Fig. 1

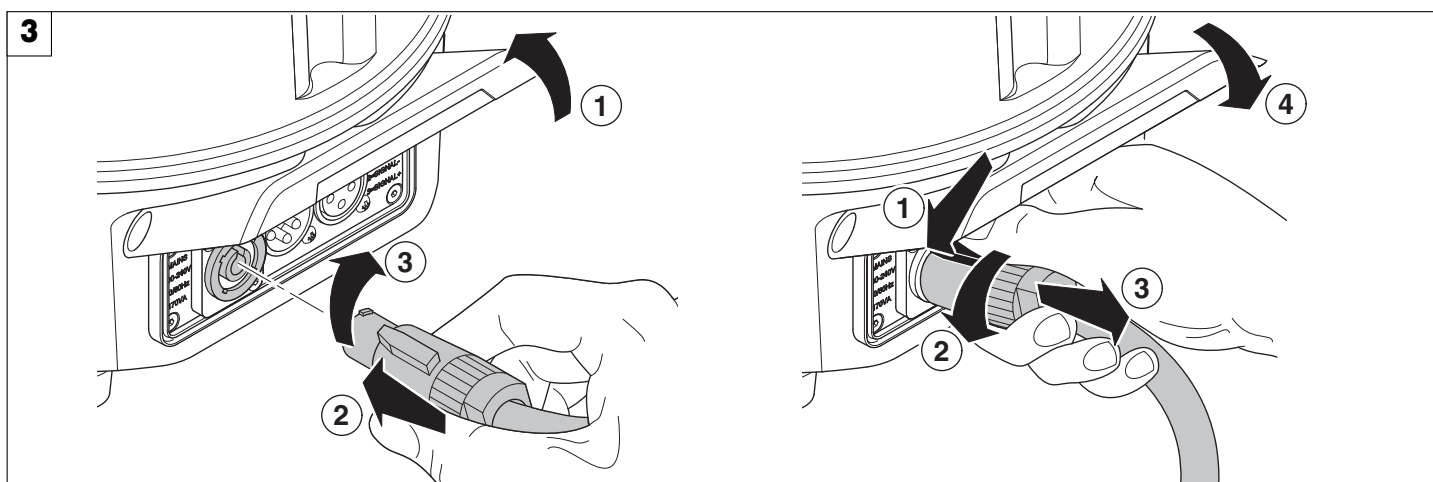
## INSTALLATION AND START-UP



Projector installation - Fig. 2

The projector can be installed on the floor resting on specific rubber feet, on a truss, on the ceiling or wall.

**WARNING:** the safety chain must be installed except when the projector rests on the floor. (Code 105015/801 available upon request). This must be secured to the projector support structure and then hooked to the fastening point at the centre of the base.

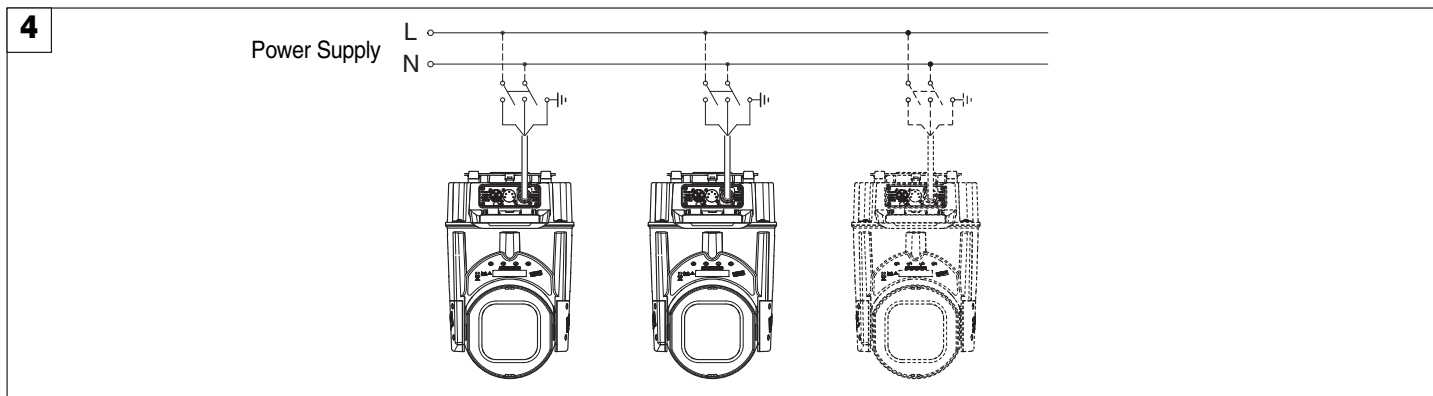


Connecting and disconnecting the power cord - Fig. 3

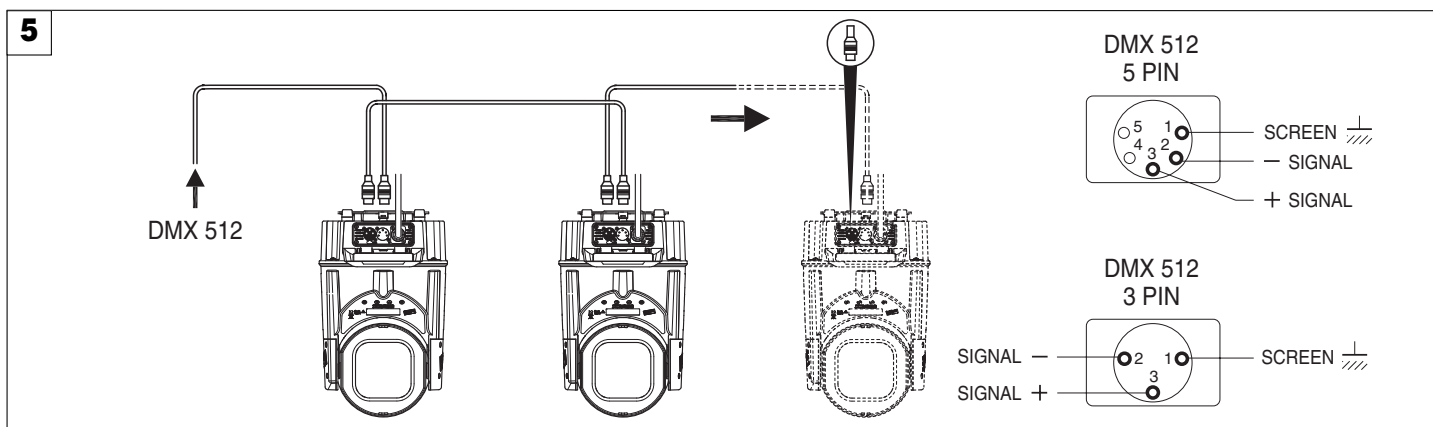
When connecting the power cord the user can choose whether to use the GlowUp in one of the following ways:

- 1) Power cord connected for battery charge.
  - 2) Power cord connected for projector power (thus bypassing battery operations).
- The GlowUp cannot work in both ways simultaneously.

## CONTROL PANEL



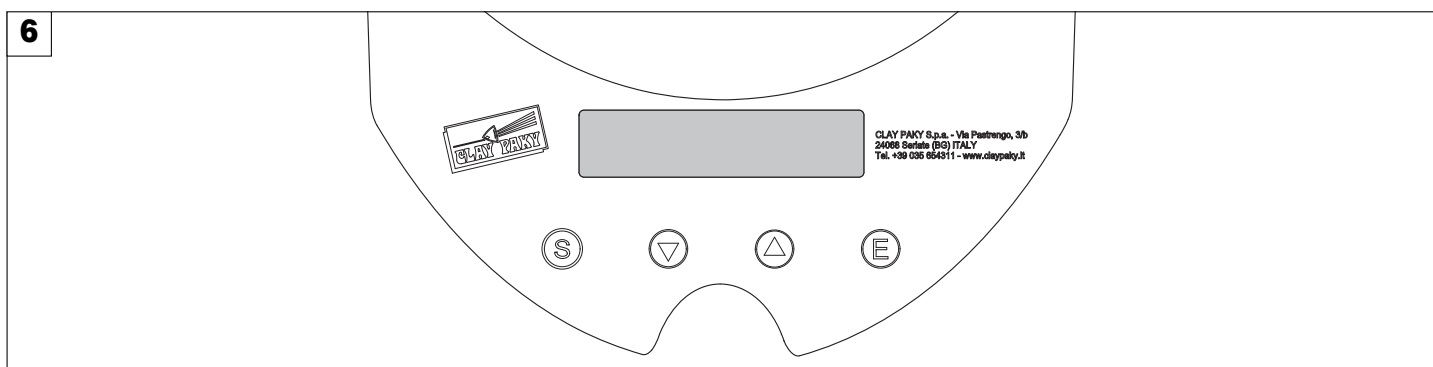
**Connections to the power mains - Fig. 4**



**Connections to the control signal line (DMX) - Fig. 5**

Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ω characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. End connections must be made using XLR type 3 or 5-pin male/female connectors. A terminating plug must be inserted on the last projector with a resistance of 120 Ω (minimum 1/4 W) between terminals 2 and 3.

**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing must be connected to the shield braid and pin 1 of the connectors.



**Switching on the projector - Fig. 6**

The projector immediately turns on when the power cord is plugged in or, if used in battery mode, by pressing and holding down keys **E** and **S** for several seconds.

Clay Paky GLOW UP	GLOW UP Software release x.x x	Address xxx    BAT xx% xxxxx    ??? *
----------------------	-----------------------------------	--

\* see pag. 5  
Display symbology

The control panel (Figure 8) has a display and buttons for complete programming and management of the projector menu.

The display can be in one of two conditions: idle status and settings status.

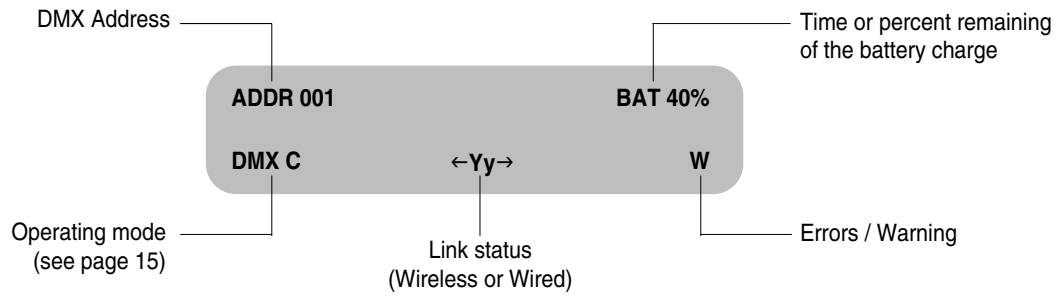
When idle, the projector DMX address and percent battery charge are displayed.

If no button is pressed after a wait period (about 60 seconds) when in menu settings status, the display automatically returns to idle status. It should be noted that when this condition occurs, any modified value that has not yet been confirmed with the **E** key will be cancelled.

To turn off the GlowUP, hold down keys **E** and **S** for several seconds. A confirmation message will appear (Switch off?).

Press **E** -Yes to turn off the GlowUP or press **S** -NO to return to the settings menu.

Con Il GlowUp in condizione di riposo, il display visualizza la pagina delle informazioni:



## Display symbology- (Stato del Link)

	Transmission to DMX cable
	Reception from DMX cable
	Reception DMX from Radio (wireless)
	Transmission DMX from Radio (wireless)

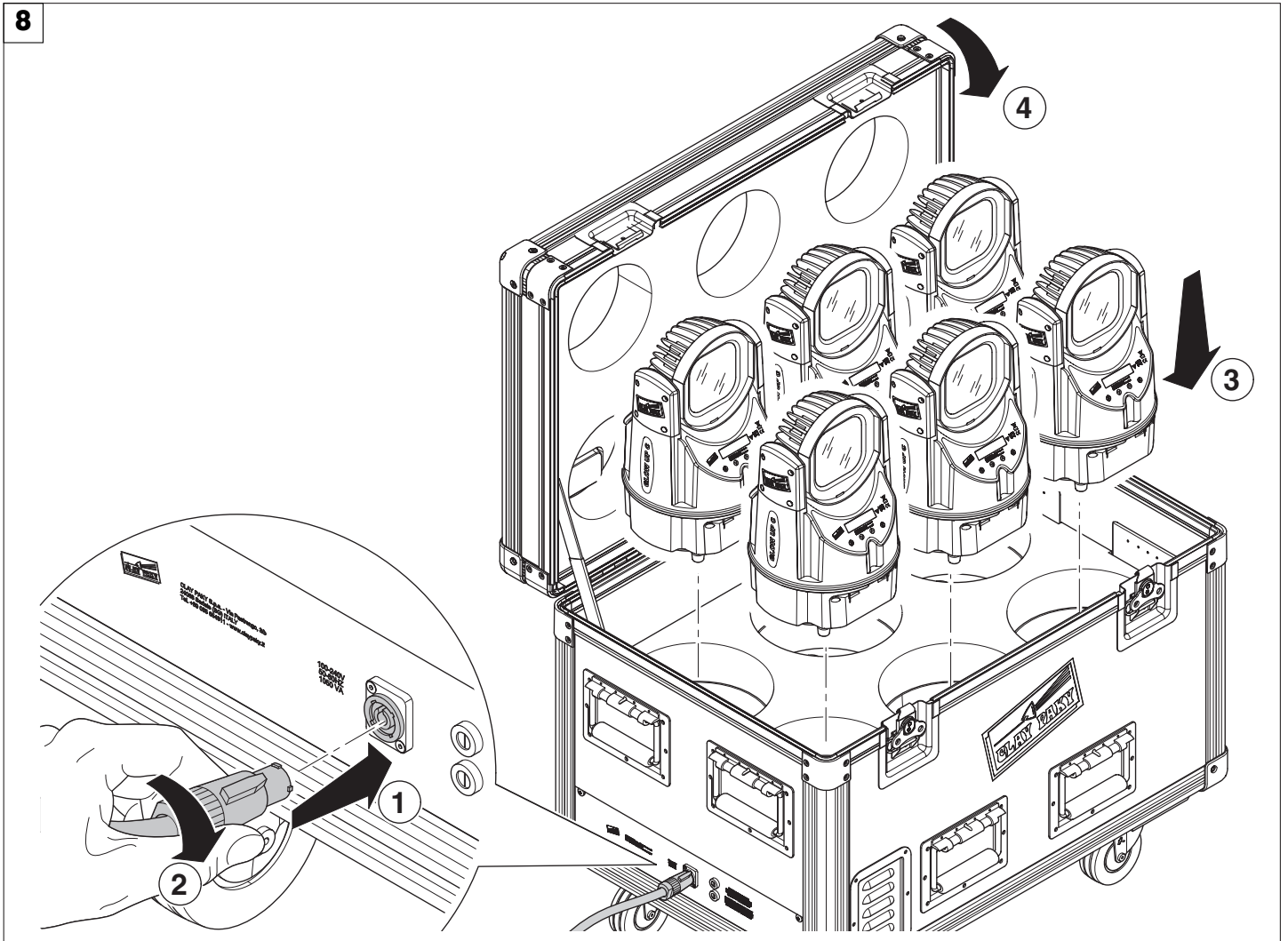
### Initial projector address settings

An initial address must be set on each single project for the control signal.

Address settings: see page 9.

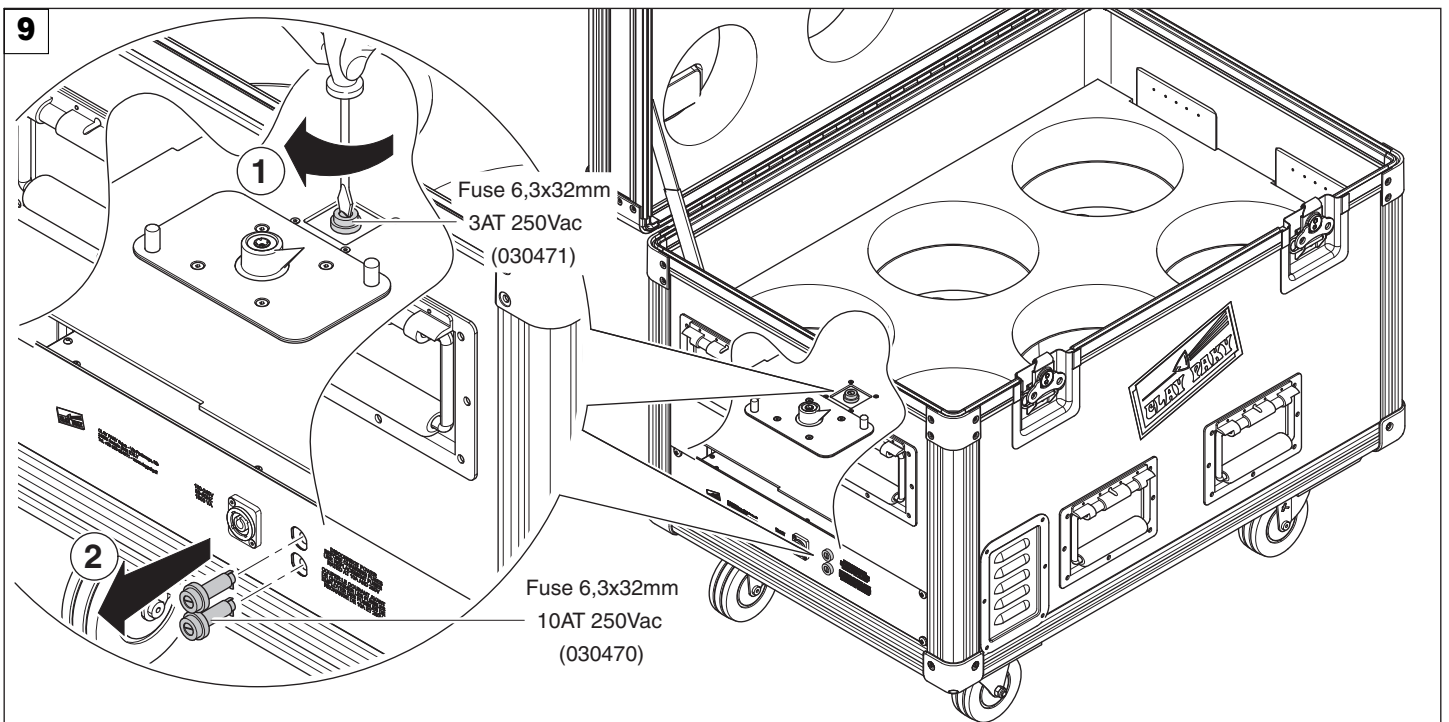
## Button functions – Menu SET

<b>SELECT</b> 	<ul style="list-style-type: none"> <li>• <b>If pressed in idle status:</b> Cyclically switches between idle status and menu settings.</li> <li>• <b>If pressed while setting a menu:</b> Moves to an upper level without changing anything (exits the function)</li> </ul>
<b>DOWN</b> 	Decreases the value displayed (with auto-repetitions), or passes to the next item on the menu For quick access to the minimum parameter value, press the UP key while holding down the DOWN key.
<b>UP</b> 	Increases the value displayed (with auto-repetitions), or passes to the previous item on the menu For quick access to the maximum parameter value, press the DOWN key while holding down the UP key.
<b>ENTER</b> 	Confirms the displayed value or activates the displayed function or opens the next menu.



**Charging glow up - Fig. 8**

From 1 to 6 Glow Ups can be simultaneously charged by appropriately connecting and powering the flight-case.



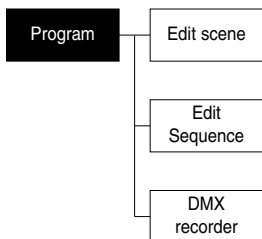
**Replacing flight case fuses - Fig. 9**

Each flight-case has 2 fuses associated with the main power cord connection and one fuse for each Glow UP charge station.

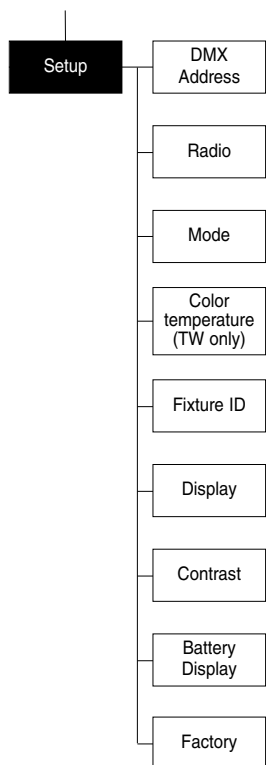
# MENU SET

## MAIN MENU

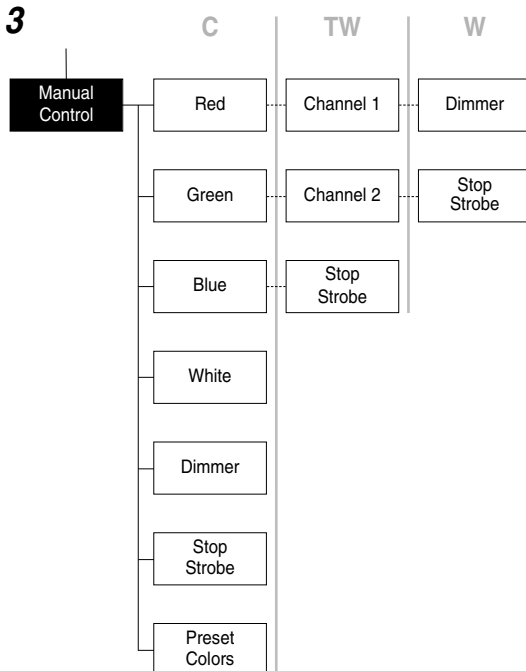
1



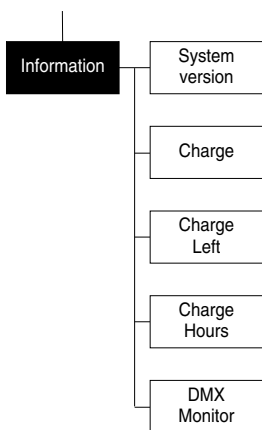
2



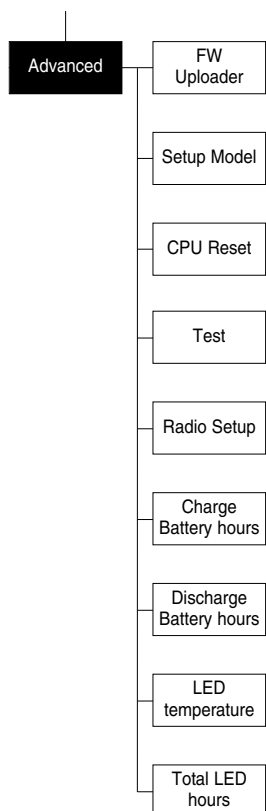
3



4



5





### Shortcut keys menu:

By pressing the ENTER (E) key and UP (▲), the DMX address setting function can be quickly accessed.

By pressing the ENTER (E) key and DOWN (▼), it is possible to assign the desired command to the GlowUp Radio module:

1) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:

**Unlink Transmitter** – Disconnected from the transmitter

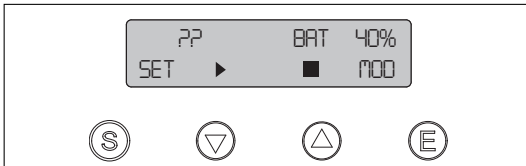
**Link Receivers** – Connected to all free receivers

**Unlink Receiver** – Disconnected from all receivers

2) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

By pressing any button when Glow Up is in idle status, the BUTTON FUNCTION menu is accessed.

Symbol	SET	▶ or	■	MOD
Function	Setting	Play/Pause	Stop	Mode



Press SELECT (S) SET to access the menus (vedi pag. 10):

**Program**

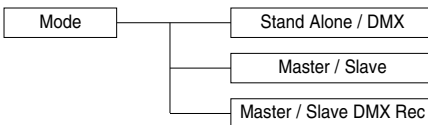
**Setup**

**Manual Control**

**Information**

**Advanced** (L'accesso al Menu ADVANCED è consigliato a personale tecnico qualificato)

Press ENTER (E) MOD to select the Glow UP operating mode



Use the UP (▲) e DOWN (▼) keys to select the mode from those available:

**Stand Alone / DMX** – Press ENTER (E) to confirm (runs “Unlink Transmitter”, receives the DMX at the pre-set address; by using the PLAY ▶ key, a scene may be chosen to be run locally and the DMX being inactive)

**Master/Slave** (The “Transmitter” transmits to the “Receivers” the default programme in PLAY) - Press ENTER (E) and select the mode from those available:

- **Receiver** enables established wired or wireless reception and reads channels, starting from channel DMX 1, without changing the pre-set DMX address.
- **Transmitter** enables established wired or wireless transmission, transmits starting from channel DMX 1, without changing the pre-set DMX address.

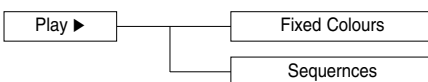
**Master/Slave DMX Rec** (The “Transmitter” transmits the DMX recording to the “Receivers”) - Press ENTER E and select the mode from those available:

- **Receiver** enables established wired or wireless reception and reads channels, starting from the pre-set DMX address.
- **Transmitter** enables established wired or wireless transmission, transmits starting from the pre-set DMX address.

**NOTE:** in a GlowUp series which is part of a battery, it is imperative to first select all the receivers and finally select the Transmitter.

### ▶ ||

UP (▲) PLAY/PAUSE key: activates or pauses a particular mode.



By pressing the UP (▲) PLAY ▶ button, the sub-menu can be accessed:

**Fixed Colours:** it is possible to associate a bit value to each GlowUp channel or you can select a color from the stored ones by accessing the **Preset Colors** menu (see table on page 9).

È possibile miscelare Strobe e Dimmer con qualsiasi canale colore impostato

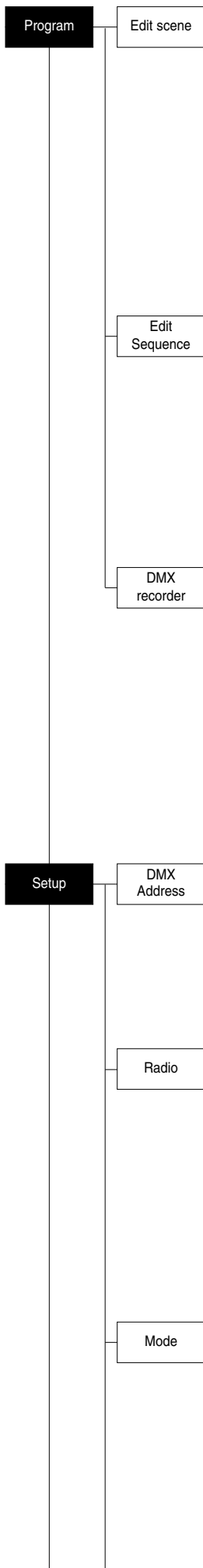
**Sequence:** it is possible to associate **Speed** and **Fade** of the pre-set Sequences (Preset 1,2,3)

### ■

DOWN (▼) STOP ■ key: deactivates the active programme.

**PRESET COLORS for Stand Alone “GlowUp C”**

Colour	Reference	Bit value				
		R	G	B	W	
01	RED	-	255	0	0	0
02	GREEN	-	0	255	0	0
03	BLUE	-	0	0	255	0
04	YELLOW	-	255	255	0	0
05	CYAN	-	0	250	185	0
06	MAGENTA	-	255	0	140	0
07	WHITE	-	0	0	0	100
08	ORANGE	-	255	115	0	0
09	PINK	-	127	0	0	100
10	VIOLET	-	255	0	184	200
11	AQUA	-	85	255	105	0
12	SKY BLUE	-	118	255	150	0
13	FULL WHITE	-	255	255	255	255
14	COOL WHITE	-	225	255	253	255
15	WARM WHITE	-	255	255	220	255
16	WHITE 3200	-	255	176	0	255
17	WHITE 2500	-	255	99	0	255
18	YELLOW	LEE 101	133	145	0	0
19	STRAW	LEE 103	255	255	0	240
20	ORANGE	LEE 105	246	195	0	0
21	LIGHT ROSE	LEE 107	218	0	0	255
22	DARK PINK	LEE 111	255	0	120	255
23	MAGENTA	LEE 113	255	0	78	0
24	BLUE	LEE 115	0	255	175	0
25	MED BLUE GREEN	LEE 116	0	255	160	0
26	DARK BLUE	LEE 119	0	180	180	0
27	BRIGHT PINK	LEE 128	255	0	141	95
28	MEDIUM BLUE	LEE 132	0	255	200	0
29	GOLDEN AMBER	LEE 134	255	175	0	25
30	DEEP GOLDEN AMBER	LEE 135	255	140	0	25
31	PALE LAVENDER	LEE 136	0	0	100	190
32	APRICOT	LEE 147	152	122	0	76
33	DARK LAVENDER	LEE 180	0	114	144	112
34	CHOCOLATE	LEE 156	238	189	0	227
35	JUST BLUE	LEE 079	0	187	175	0
36	SURPRISE PINK	LEE 194	78	0	0	255
37	SCARLET	LEE 024	255	0	58	113
38	SURPRISE PEACH	LEE 017	145	0	0	153
39	FIRE	LEE 019	255	141	44	0
40	ENGLISH ROSE	LEE 108	161	119	0	255
41	MAUVE	LEE 126	255	0	208	150
42	BRIGHT BLUE	LEE 141	0	255	186	37
43	ALICE BLUE	ROSCO 378	0	255	223	140
44	ROSE INDIGO	ROSCO 358	0	0	255	133
45	URBAN BLUE	ROSCO 081	0	255	187	35
46	COOL BLUE	ROSCO 066	0	255	148	153
47	LIGHT SALMON	ROSCO 030	255	112	0	162
48	MAYAN SUN	ROSCO 318	150	114	0	162
49	CHERRY ROSE	ROSCO 332	255	0	92	0
50	FLESH PINK	ROSCO 034	255	0	132	255
51	SKELTON EXOTIC SANGRIA	ROSCO 039	255	0	180	100



## PROGRAM MENU

### EDIT SCENE

To create/overwrite/modify a SCENE customised by the user:

- 1) Press ENTER (E) – SCENE 1 appears on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select from the ten available SCENES.
- 3) Press ENTER (E) to open a SCENE.
- 4) A value can be associated with each GlowUp channel inside each SCENE using the UP (▲) and DOWN (▼) keys.
- 5) When finished with settings, press SELECT (S). A confirmation message appears: SAVE SCENE X ?.
- 6) Press ENTER (E) to confirm and save the SCENE or SELECT (S) to return to the previous menu.

### EDIT SEQUENCE

Allows you to create a sequence, made up of a series of SCENES saved by the user.

- 1) Press ENTER (E) – MEMORY 1 appears on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select the STEP to be attributed a SCENE.
- 3) Press ENTER (E), and use the UP (▲) and DOWN (▼) keys to select the SCENE to be set (SC0...or NONE).
- 4) Press ENTER (E) to confirm the selection or SELECT (S) to return to the previous Menu.

### DMX RECORDER

To record a scene sequence programmed on the unit. *Il proiettore per accettare una registrazione deve essere settato in Slave --> Receiver.*

*Premere ENTER (E) e azzerare la "Memory" premendo nuovamente ENTER (E). A questo punto il GlowUp è pronto a memorizzare dati DMX da centralina (DMX waiting ...).*

*Una volta effettuata la registrazione premere ENTER (E) per memorizzare, in caso contrario premere SELECT (S) Esc.*

## SET UP MENU

### DMX ADDRESS

Allows the user to set the DMX address to be assigned to the projector.

- 1) Press ENTER (E) – the current DMX address appears on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to set the DMX address.
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

### RADIO

Assigns the desired command to the GlowUP Radio module Radio.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:
  - Unlink Transmitter** – Disconnected from the transmitter
  - Link Receivers** – Connected to all free receivers
  - Unlink Receiver** – Disconnected from all receivers
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

### MODE

Assigns the desired command to the GlowUP Radio module

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:
  - **SLAVE PRIORITY:** GlowUp runs as a Slave  
Press ENTER (E) and use the UP (▲) and DOWN (▼) keys to select *la priorità in ricezione del segnale DMX, in caso di conflitto tra segnale via cavo o wireless*
    - **Cable** (default)
    - **Wireless**

Color temperature (TW only)

Fixture ID

Display

Contrast

Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

- **MASTER OUTPUT:** GlowUp runs as a Master  
Press ENTER (E) and use the UP (▲) and DOWN (▼) keys to select *come si desidera che venga trasmesso il segnale DMX ad altri apparecchi:*

#### **Cable+Wireless**

##### **Cable**

##### **Wireless**

Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

- **REPEATER:** GlowUp runs as a repeater  
Press ENTER (E) and use the UP (▲) and DOWN (▼) keys to select how to run GlowUP as a repeater: :

**Direction** – Press ENTER (E) again and use the UP (▲) and DOWN (▼) keys to select whether the repeater should transmit the DMX signal from:

##### **-Wireless to Cable**

##### **-Cable to Wireless**

Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

**Function**– Press ENTER (E) again and use the UP (▲) and DOWN (▼) keys to select whether the repeater should run from:

##### **- Repeat & Play (Il GlowUp ripete ed esegue)**

##### **- Repeat Only (Il GlowUp funziona solo come ripetitore)**

Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

##### **Enable/Disable**

Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

#### **COLOR TEMP (GLOWUP TW)**

Allows the user to select the color mixing system.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select **Independent** mode or **Constant intensity** mode or **Max intensity** mode.
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

#### **FIXTURE ID**

Allows you to display the GlowUP ID address.

- 1) Press ENTER (E) – the ID address appears on the display.

#### **DISPLAY**

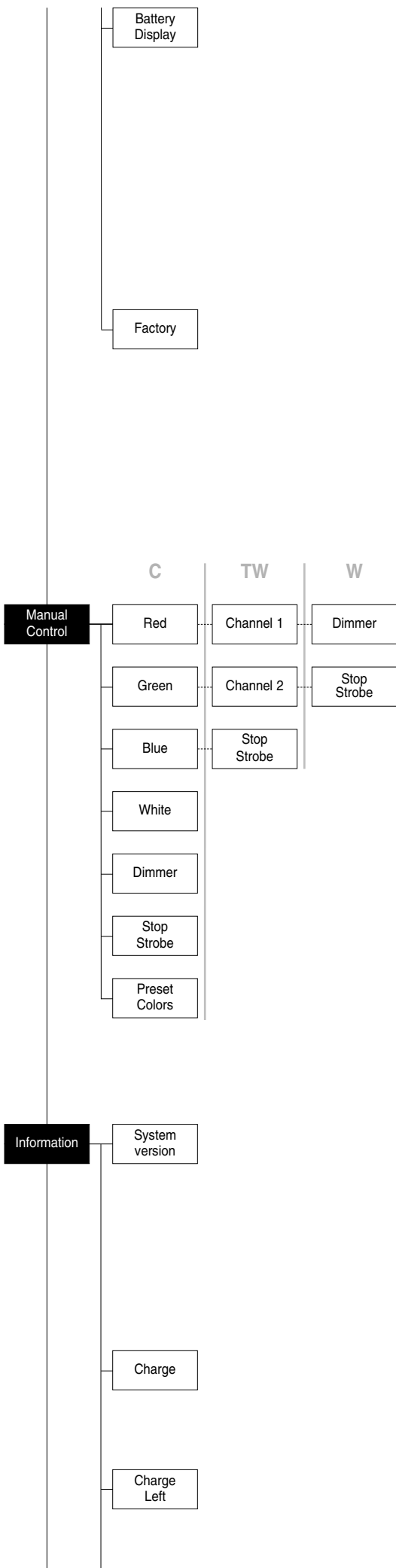
Allows you to dim the display backlight 60 seconds after switching to idle status. To turn it back on, simply press any key.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to turn display backlight OFF or ON.
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

#### **CONTRAST**

Lets the user modify display contrast.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to modify the value from 0 to 10 according to the desired contrast.
- 3) Press SELECT (S) to return to the previous Menu.



## BATTERY DISPLAY

Allows you to select how to display the battery charge in idle status.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select one of the 3 following options:
  - Automatic:** displays the remaining battery charge in hours or as a percentage.
  - Percentage:** displays the percentage of remaining battery charge.
  - Time left:** displays the remaining time of the battery charge in hours.
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

## FACTORY

Used for restoring default values on all options menu items and relevant submenus.

- 1) Press ENTER (E) – a confirmation message appears on the display (Ok?)
- 2) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings.

## MANUAL CONTROL MENU

Allows the user to set a level for each of the following channels in BIT from the control panel:

GLOWUP C	GLOWUP TW	GLOWUP W
Red	Tunable white	Dimmer
Green	Dimmer	Stop Strobe
Blue	Stop Strobe	
White		
Dimmer		
Stop Strobe		
Preset Colors		

- 1) Press ENTER (E) – the first channel (RED) appears on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select the concerned channel.
- 3) Press ENTER (E) and use the UP (▲) and DOWN (▼) keys to assign the DMX level to the selected channel (value between 0 and 255).
- 4) Press SELECT (S) to return to the previous Menu.

## INFORMATION MENU

### SYSTEM VERSION

Displays the version of the firmware loaded on the CPU board.

- 1) Press ENTER (E) – two options appear on the display:
  - Application release**
  - Boot release (Software di sicurezza)**
- 2) Use the UP (▲) and DOWN (▼) keys to select which of the two firmware version items to be displayed.
- 3) Press ENTER (E) – the release appears on the display.
- 4) Press SELECT (S) to return to the previous Menu.

### CHARGE %

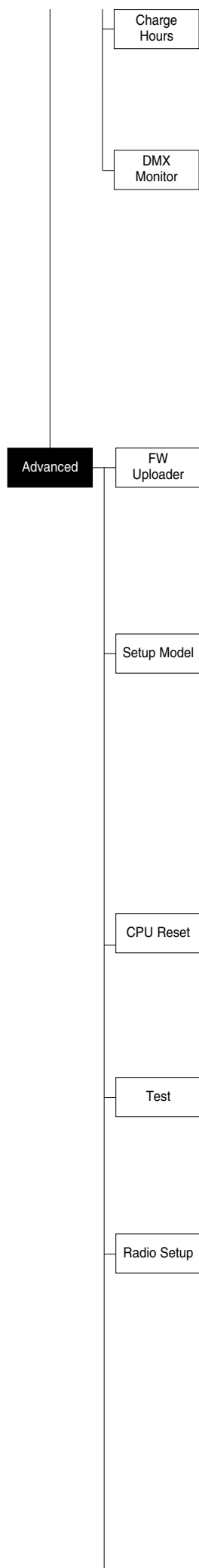
Allows you to display the percentage of remaining battery charge.

- 1) Press ENTER (E) to display the percentage.
- 2) Press SELECT (S) to return to the previous Menu.

### CHARGE LEFT

Allows you to display the remaining time of battery charge.

- 3) Press ENTER (E) to display the remaining hours.
- 4) Press SELECT (S) to return to the previous Menu.



## CHARGE HOURS

Permette di selezionare come visualizzare la carica della batteria sul display in stato di riposo.

- 1) Premere ENTER (E) per visualizzare le ore di carica della batteria.
- 2) Premere SELECT (S) per tornare al Menu precedente.

## DMX MONITOR

Displays the DMX input level in bit for each GlowUP channel.

- 1) Press ENTER (E) – the first channel appears on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select the channel.
- 3) Press ENTER (E) to display the channel DMX level (value between 0 and 255).
- 4) Press SELECT (S) to return to the previous Menu.

## ADVANCED MENU

### FW UPLOADER

Used to transfer software from one projector to all other connected projectors.

- 1) Press ENTER (E) use the UP (▲) e DOWN (▼) keys to select:  
**Cable upload:** to start the firmware upload via DMX cable.  
**Radio upload:** to start the firmware upload via wireless
- 2) Press ENTER (E) to transfer firmware or SELECT (S) to return to the previous Menu.

### SETUP MODEL

Use to change/select the model to be assigned to the projector.

- 1) Press ENTER (E) – current settings appear on the display.
- 2) Use the UP (▲) and DOWN (▼) keys to select one of the following models:  
 COLOR  
 TUNABLE WHITE  
 WHITE
- 3) Press ENTER (E) to confirm the selection (the display blinks for several seconds) or SELECT (S) to keep the current settings and return to the previous Menu.

### CPU RESET

Used to reset the CPU. Settings will not be reset.

- 1) Press ENTER (E) – a confirmation message appears on the display (OK?)
- 2) Press ENTER (E) to RESET or SELECT (S) to return to the previous Menu.

### TEST

Used to test the correct operations of effects.

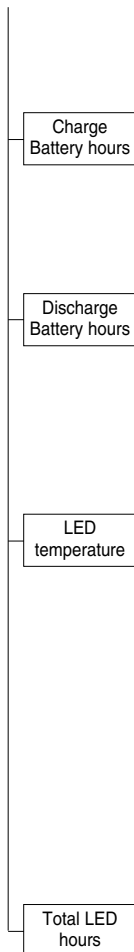
- 1) Press ENTER (E).
- 2) Use the UP (▲) and DOWN (▼) keys to select the Test function.
- 3) Press ENTER (E) to confirm the select and start the TEST or SELECT (S) to keep current settings.

### RADIO SETUP

Permette di settare il modo di Trasmissione Radio tra i 2 disponibili.

- 1) Premere ENTER (E), ed entrare nel sottomenu 'TX mode' premendo nuovamente ENTER (E).
- 2) Con i tasti UP (▲) e DOWN (▼) selezionare:  
 G3 - DMX (portata maggiore) oppure  
 G4 - DMX + RDM (portata inferiore).
- 3) Premere ENTER (E) per confermare oppure SELECT (S) per mantenere l'impostazione corrente.

L'accesso al sottomenu 'RDM discovery' viene fatto nel caso di sostituzione della scheda Radio a seguito di un'anomalia della stessa, serve per attivare la comunicazione tra la scheda Radio e la CPU del GlowUp.



Premere ENTER (E) per attivare la ricerca (wait .....) in caso di risultato positivo apparirà sul display la scritta OK.

### CHARGE BATTERY HOURS

Permette di visualizzare le ore totali di carica della batteria dalla costruzione ad oggi.

- 1) Press ENTER (E) – total charge hours appear on the display.
- 2) Press SELECT (S) to return to the previous Menu.

### DISCHARGE BATTERY HOURS

Displays total GlowUp battery powered operating hours from last time used, dalla costruzione ad oggi.

- 1) Press ENTER (E) – total battery powered operating hours appear on the display.
- 2) Press SELECT (S) to return to the previous Menu.

### LED TEMPERATURE

Displays the LED working temperature.

- 1) Press ENTER (E) – two options appear on the display:  
**Temperature** (real-time LED temperature)  
**Max Temperature** (maximum temperature measured on LEDs)
- 2) Use the UP (▲) and DOWN (▼) keys to select which of the two temperature items to be displayed.
- 3) Press ENTER (E) to display or SELECT (S) to return to the previous menu.

To reset the “**Max Temperature**” value, simultaneously press and hold down the UP (▲) and DOWN (▼) keys for several seconds. When “Rst?” (Reset) appears, confirm by pressing ENTER (E).

### TOTAL LED HOURS

Displays total LED working hours, dalla costruzione ad oggi.

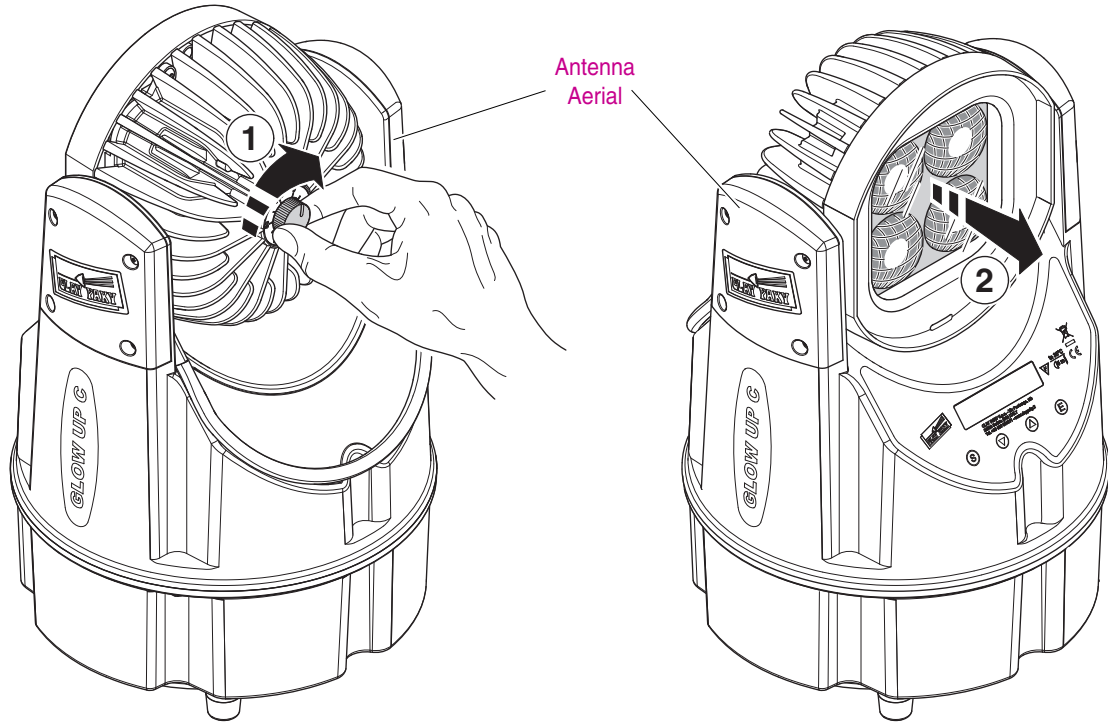
- 1) Press ENTER (E) – total LED working hours appear on the display.
- 2) Press SELECT (S) to return to the previous Menu.

Modalità	Slave Priority	Repeater	Master Output	Testo Visualizzato sul display
Stand Alone / DMX in play/pause	-	Off	-	PLAY (o PAUSE)
	-	Wireless to Cable + Repeat &Play	-	PLAYW→C (o PAUSW→C)
	-	Cable to Wireless + Repeat & Play	-	PLAYC→W (o PAUSC→W)
	-	Wireless to Cable + Repeater only	-	W→C
	-	Cable to Wireless + Repeater only	-	C→W
Stand Alone / DMX in stop	Cable	Off	-	DMX C
	Wireless	Off	-	DMX W
	-	Wireless to Cable + Repeat &Play	-	DMXW→C
	-	Cable to Wireless + Repeat &Play	-	DMXC→W
	-	Wireless to Cable + Repeater only	-	W→C
	-	Cable to Wireless + Repeater only	-	C→W
Master Slave Tx (master addr 1)	-	-	Cable	MAST C
	-	-	Wireless	MAST W
	-	-	Cable+Wireless	MAST CW
Master Slave Rx (slave addr 1) (non va in play)	Cable	Off	-	SLV C
	Wireless	Off	-	SLV W
	-	Wireless to Cable + Repeat &Play	-	SLV W→C
	-	Cable to Wireless + Repeat &Play	-	SLV C→W
	-	Wireless to Cable + Repeater only	-	W→C
	-	Cable to Wireless + Repeater only	-	C→W
DMX Memory Tx (master all addr)	-	-	Cable	MMTX C
	-	-	Wireless	MMTX W
	-	-	Cable+Wireless	MMTX CW
DMX Memory Rx (slave addr N) (non va in play)	Cable	Off	-	MMRX C
	Wireless	Off	-	MMRX W
	-	Wireless to Cable + Repeat &Play	-	MMRX W→C
	-	Cable to Wireless + Repeat &Play	-	MMRX C→W
	-	Wireless to Cable + Repeater only	-	W→C
	-	Cable to Wireless + Repeater only	-	C→W



## MANUAL ZOOM

10

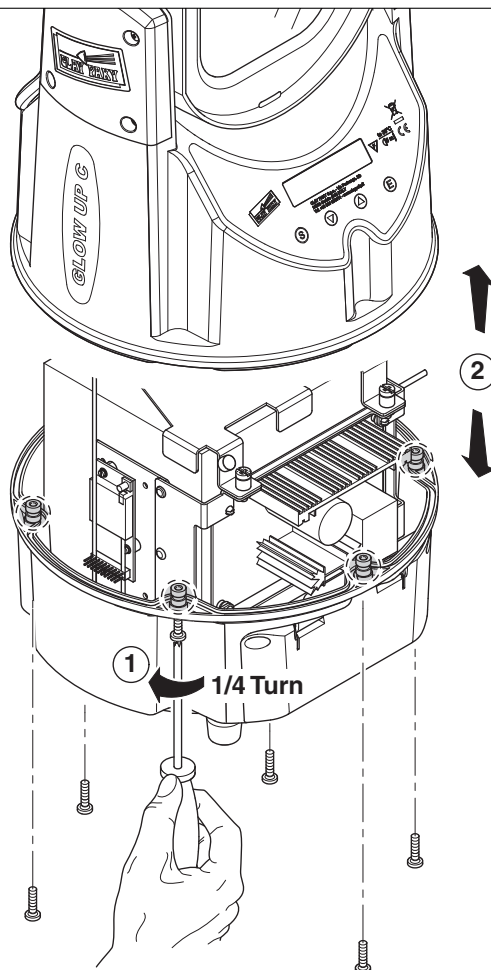


Manual zoom - Fig. 10

The GlowUP has a manual zoom located on the back of the projector head.

## MAINTENANCE

11

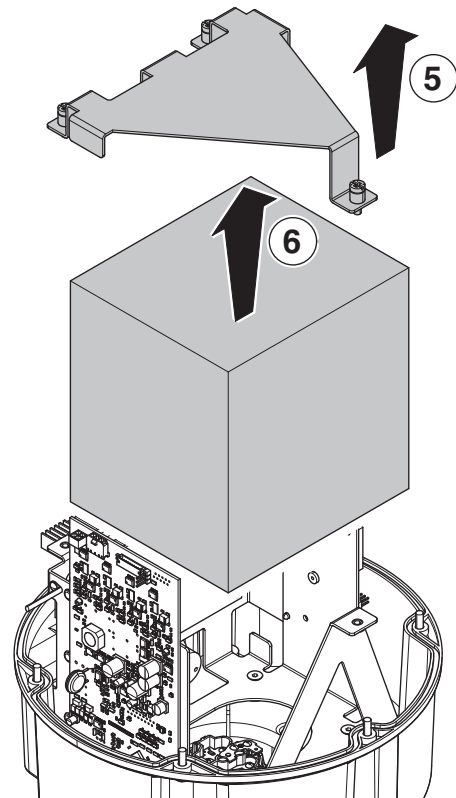
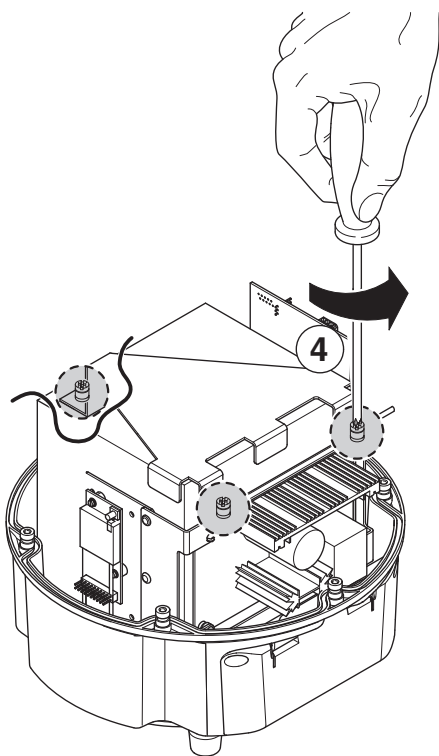
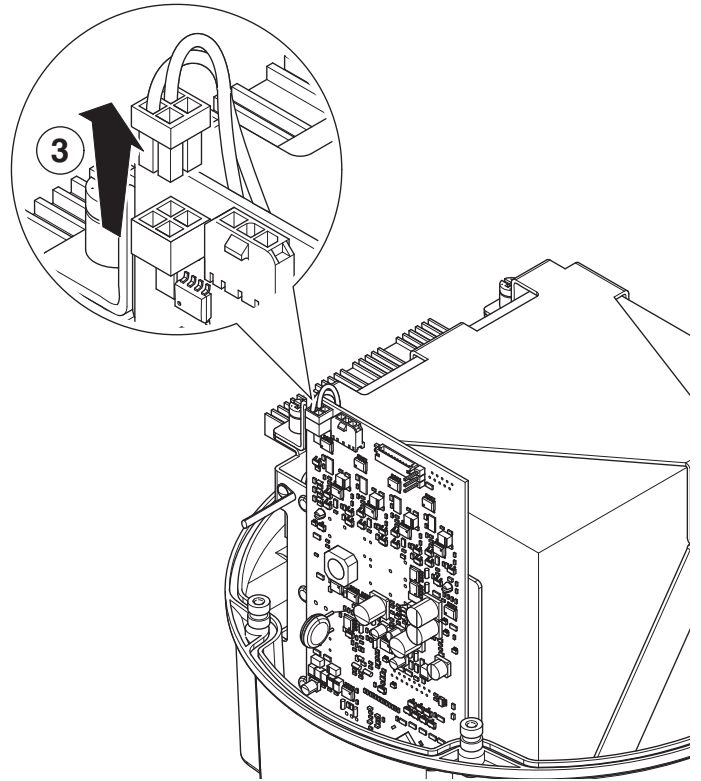
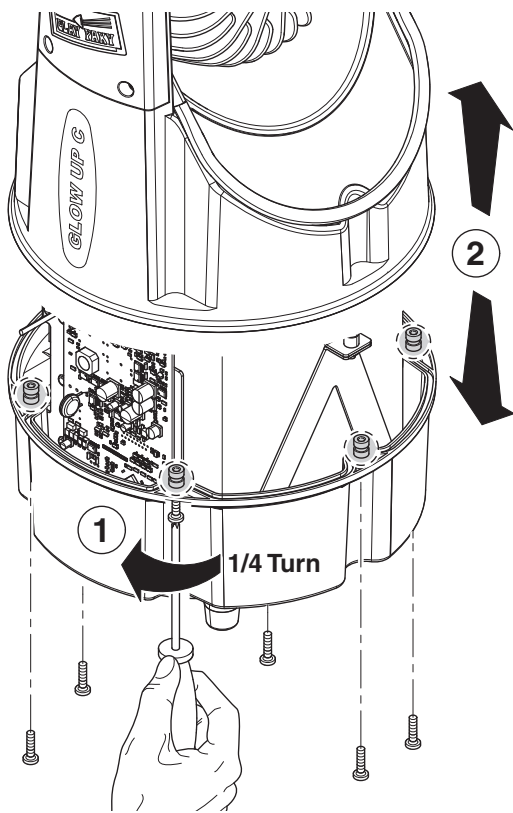


## BATTERY REMOVAL

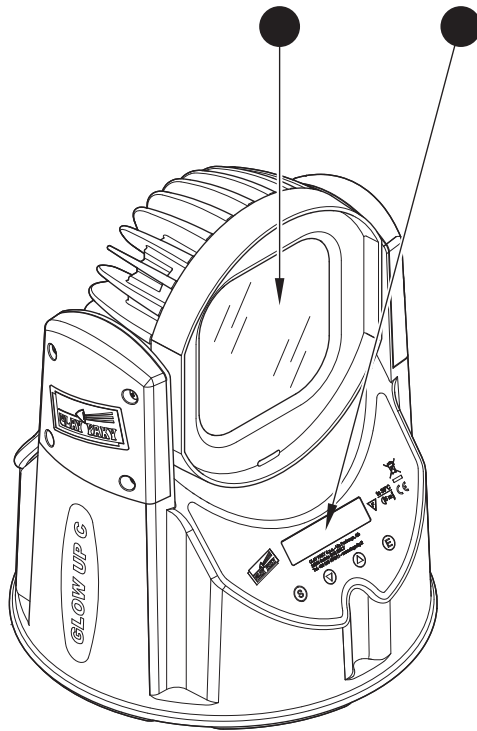


This product contains lithium iron tetraphosphate rechargeable battery. To protect the environment, please discard the battery at the end of its working life according to current law.

12



13



● Parts requiring frequent cleaning.

**Periodic cleaning - Fig. 13**

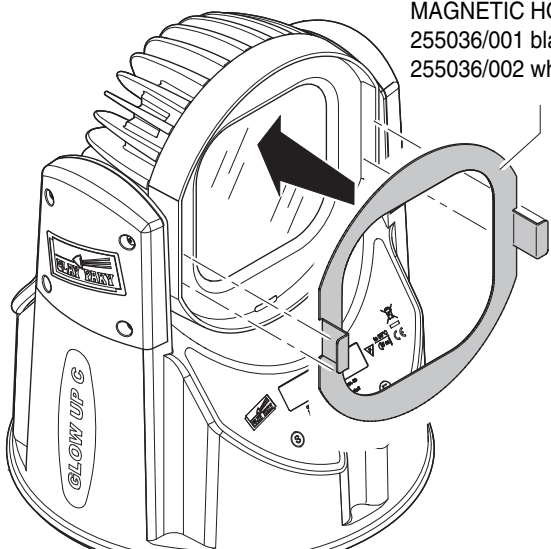
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors such as wear and the work environment quality (air humidity, dust, salinity, etc.). To remove dirt from external parts, use a soft cloth dampened with any liquid glass cleaning detergent.

It is recommended that the projector undergoes an annual service by a qualified technician for special maintenance involving at least the following operations:

- General cleaning of internal parts.
- General visual check of internal parts, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.

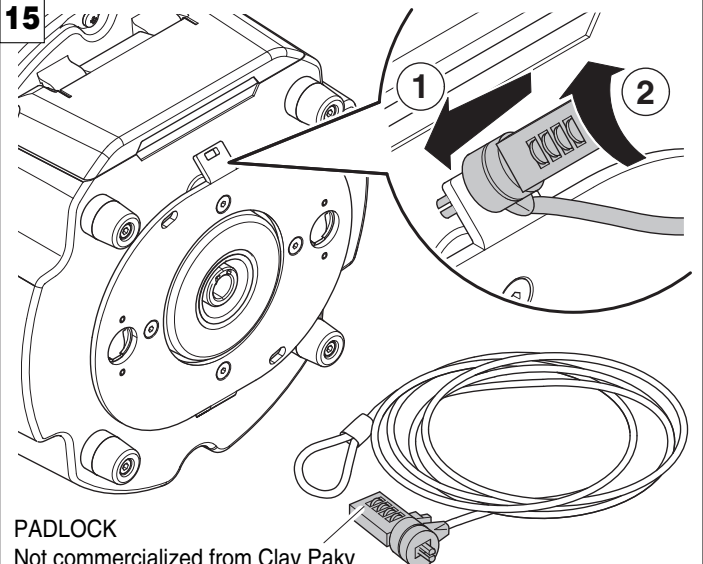
**OPTIONAL ACCESSORIES**

14



MAGNETIC HOLDER  
255036/001 black  
255036/002 white

15



PADLOCK  
Not commercialized from Clay Paky

## TECHNICAL DATA

**Source**  
4 10 W MC-E Cree leds

**Led pilot power**  
40W

**Optics**  
Optic zoom, manually adjustable, magnetic support for any additional diffusers

**LED color temperature**  
5700°C GlowUP C  
6000°C GlowUP W  
6200°C cool white GlowUp TW  
2700°C warm white GlowUp TW  
4200°C cool+warm white GlowUp TW

**Head adjustment**  
+/-105°

**Cooling**  
High efficiency external die-cast aluminium

**Control**

- Wireless DMX multimode: Master, Slave and Repeater
- Antenna built in the case IP65
- Master: can transmit other slaves the synchronised DMX scenes saved on it, both as macros and as DMX recorder.
- Repeater: Receives the signal from the master and re-transmits it to other Slaves hidden from the master
- XLR 5-pole DMX-in DMX-out standard sockets
- Remote wireless board settings with PC
- Default macros, user programmable macros.
- DMX recorder to save scene sequences.

**User interface**

- LCD display 2 lines with 16 characters each, backlit LED, white on black
- 4 membrane buttons

**External power**  
full range 100-240V 50-60Hz, PowerCon connector, for both battery charge and normal operations

**Absorbed power**  
50W max - 170 VA

**Body**

- Injection pressed ABS case (UV protected)
- Finish: Polished metallic – Painted White or Black
- carrier handle
- 4 non-slip rubber feet

**Fittings**  
2 fast-look holes for omega hook-up

**Safety**  
safety chain hole and padlock hole

**Weight**  
7.5 Kg

**Protection rating**  
IP65

**Valves**  
Compensation valve IP65

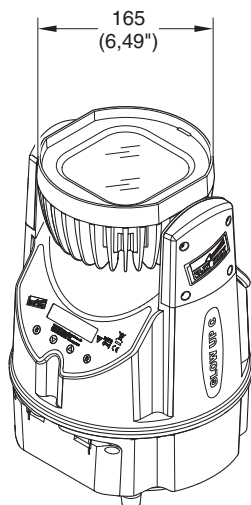
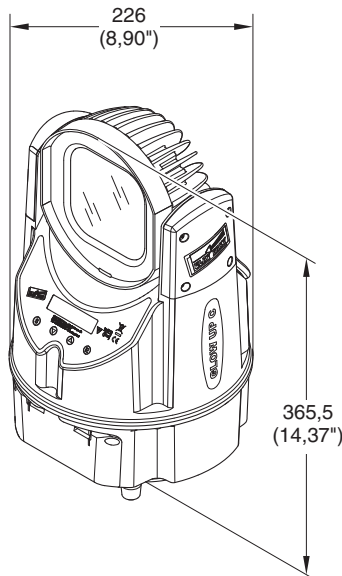
**Battery**

- Duration 10 hours full, white, 20 hours color fade
- 4-hour fast charge from flight case, 8 hours in slow charge with PowerCon
- More than 2,000 charge/deplete cycles
- No memory effect
- No acid leaks

**Working position**  
Works in any position

**CE Marking**

- In conformity with European Union Low Voltage Directive 2006/95/CE and Electromagnetic compatibility directive 2004/108/CE



## CAUSE AND SOLUTION OF PROBLEMS

THE PROJECTOR WILL NOT SWITCH ON			TROUBLE
THE PROJECTOR WILL NOT SWITCH ON			
DEFECTIVE PROJECTION			
REDUCED LUMINOSITY			
POSSIBLE CAUSES		CHECKS AND REMEDIES	
●		No power supply.	Check the power supply voltage or battery charge.
●	●	LED burnt out or defective.	Replace LED.
	●	Signal transmission cable faulty or disconnected.	Replace the cables.
	●	Incorrect addressing.	Check addresses (see instructions).
	●	Fault in the electronic circuits.	Call an authorised technician.
	●	Optic fault.	Call an authorised technician.
	● ●	Dust or grease deposits.	Clean (see instructions).

## CHANNEL FUNCTIONS

### GLOW UP C

CHANNEL	CHANNEL MODE
1	RED
2	GREEN
3	BLUE
4	WHITE
5	DIMMER
6	STOP / STROBE
7	MACRO COLOR
8	MACRO TIMING
9	MACRO FADING

### GLOW UP TW

CHANNEL	CHANNEL MODE		
	INDEPENDENT	CONSTANT INTENSITY	MAX INTENSITY
1	COOL WHITE 6200°K	TUNABLE WHITE	TUNABLE WHITE
2	WARM WHITE 2700°K	DIMMER	DIMMER
3	STOP / STROBE	STOP / STROBE	STOP / STROBE

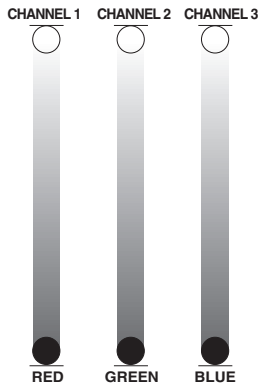
### GLOW UP W

CHANNEL	CHANNEL MODE
1	DIMMER
2	STOP / STROBE

# GLOW UP C

## • COLOUR MIXING - channel 1 - 2 - 3

Operation with option color mixing: RGB



BIT	%	EFFECT
255	100	COLOUR INSERTED
0	0.0	COLOUR EXCLUDED

## • WHITE - channel 4



BIT	%	EFFECT
255	100	WHITE
0	0.0	BLACK

## • DIMMER - channel 5



BIT	%	EFFECT
255	100	OPEN (LIGHT)
0	0.0	CLOSED (BLACK)

## • STOP / STROBE - channel 6

BIT	%	EFFECT
251 ÷ 255	98.4 ÷ 100	OPEN
238 ÷ 250	93.3 ÷ 98.0	RANDOM STROBE FAST
225 ÷ 237	88.2 ÷ 92.9	RANDOM STROBE MEDIUM
212 ÷ 224	83.1 ÷ 87.8	RANDOM STROBE SLOW
207 ÷ 211	81.2 ÷ 82.7	OPEN
141 ÷ 206	55.3 ÷ 80.8	CLOSING PULSE FAST→SLOW
75 ÷ 140	29.4 ÷ 54.9	OPENING PULSE SLOW→FAST
70 ÷ 74	27.5 ÷ 29.0	OPEN
4 ÷ 69	1.6 ÷ 27.1	STROBE SLOW→FAST
0 ÷ 3	0.0 ÷ 1.2	OPEN

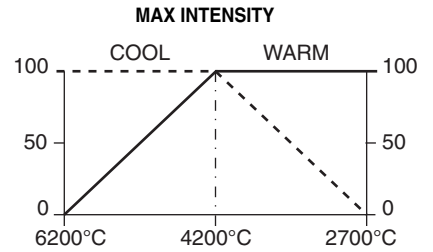
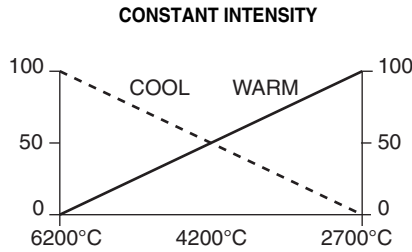
## • MACRO COLOR - channel 7

BIT	%	EFFECT
248 - 255		COLD TONE
240 - 247		WARM TONE
232 - 239		PASTEL TONE
224 - 231		SEQ1
220 - 223		SKELTON EXOTIC SANGRIA
216 - 219		FLESH PINK
212 - 215		CHERRY ROSE
208 - 211		MAYAN SUN
204 - 207		LIGHT SALMON
200 - 203		COOL BLUE
196 - 199		URBAN BLUE
192 - 195		ROSE INDIGO
188 - 191		ALICE BLUE
184 - 187		BRIGHT BLUE
180 - 183		MAUVE
176 - 179		ENGLISH ROSE
172 - 175		FIRE
168 - 171		SURPRISE PEACH
164 - 167		SCARLET
160 - 163		SURPRISE PINK
156 - 159		JUST BLUE
152 - 155		CHOCOLATE
148 - 151		DARK LAVENDER
144 - 147		APRICOT
140 - 143		PALE LAVENDER
136 - 139		DEEP GOLDEN AMBER
132 - 135		GOLDEN AMBER
128 - 131		MEDIUM BLUE
124 - 127		BRIGHT PINK
120 - 123		DARK BLUE
116 - 119		MED BLUE GREEN
112 - 115		BLUE 2
108 - 111		MAGENTA 2
104 - 107		DARK PINK
100 - 103		LIGHT ROSE
96 - 99		ORANGE 2
92 - 95		STRAW
88 - 91		YELLOW 2
84 - 87		WHITE 2500
80 - 83		WHITE 3200
76 - 79		WARM WHITE
72 - 75		COOL WHITE
68 - 71		FULL WHITE
64 - 67		SKY BLUE
60 - 63		AQUAMARINE
56 - 59		VIOLET
52 - 55		PINK
48 - 51		ORANGE
44 - 47		WHITE
40 - 43		MAGENTA
36 - 39		CYAN
32 - 35		YELLOW
28 - 31		BLUE
24 - 27		GREEN
20 - 23		RED
0 - 19		NONE

# GLOW UP TW

INDEPENDENT MODE
INDEPENDENT
COOL WHITE 6200°K
WARM WHITE 2700°K
STOP / STROBE

CONSTANT INTENSITY & MAX INTENSITY MODE	
CONSTANT INTENSITY	MAX INTENSITY
TUNABLE WHITE	TUNABLE WHITE
DIMMER	DIMMER
STOP / STROBE	STOP / STROBE



• COOL WHITE - channel 1



BIT	%	EFFECT
255	100	WHITE INSERTED
0	0.0	WHITE EXCLUDED

• TUNABLE WHITE - channel 1



BIT	%	EFFECT
255	100	WARM WHITE
0	0.0	COOL WHITE

• WARM WHITE - channel 2



BIT	%	EFFECT
255	100	WHITE INSERTED
0	0.0	WHITE EXCLUDED

• WARM WHITE - channel 2



BIT	%	EFFECT
255	100	OPEN (LIGHT)
0	0.0	CLOSED (BLACK)

• STOP / STROBE - channel 3

BIT	%	EFFECT
251 ÷ 255	98.4 ÷ 100	OPEN
238 ÷ 250	93.3 ÷ 98.0	RANDOM STROBE FAST
225 ÷ 237	88.2 ÷ 92.9	RANDOM STROBE MEDIUM
212 ÷ 224	83.1 ÷ 87.8	RANDOM STROBE SLOW
207 ÷ 211	81.2 ÷ 82.7	OPEN
141 ÷ 206	55.3 ÷ 80.8	CLOSING PULSE FAST→SLOW
75 ÷ 140	29.4 ÷ 54.9	OPENING PULSE SLOW→FAST
70 ÷ 74	27.5 ÷ 29.0	OPEN
4 ÷ 69	1.6 ÷ 27.1	STROBE SLOW→FAST
0 ÷ 3	0.0 ÷ 1.2	OPEN

• STOP / STROBE - channel 3

BIT	%	EFFECT
251 ÷ 255	98.4 ÷ 100	OPEN
238 ÷ 250	93.3 ÷ 98.0	RANDOM STROBE FAST
225 ÷ 237	88.2 ÷ 92.9	RANDOM STROBE MEDIUM
212 ÷ 224	83.1 ÷ 87.8	RANDOM STROBE SLOW
207 ÷ 211	81.2 ÷ 82.7	OPEN
141 ÷ 206	55.3 ÷ 80.8	CLOSING PULSE FAST→SLOW
75 ÷ 140	29.4 ÷ 54.9	OPENING PULSE SLOW→FAST
70 ÷ 74	27.5 ÷ 29.0	OPEN
4 ÷ 69	1.6 ÷ 27.1	STROBE SLOW→FAST
0 ÷ 3	0.0 ÷ 1.2	OPEN

# GLOW UP W

## • DIMMER - channel 1



BIT	%	EFFECT
255	100	OPEN (LIGHT)
0	0.0	CLOSED (BLACK)

## • STOP / STROBE - channel 2

BIT	%	EFFECT
251 ÷ 255	98.4 ÷ 100	OPEN
238 ÷ 250	93.3 ÷ 98.0	RANDOM STROBE FAST
225 ÷ 237	88.2 ÷ 92.9	RANDOM STROBE MEDIUM
212 ÷ 224	83.1 ÷ 87.8	RANDOM STROBE SLOW
207 ÷ 211	81.2 ÷ 82.7	OPEN
141 ÷ 206	55.3 ÷ 80.8	CLOSING PULSE FAST→SLOW
75 ÷ 140	29.4 ÷ 54.9	OPENING PULSE SLOW→FAST
70 ÷ 74	27.5 ÷ 29.0	OPEN
4 ÷ 69	1.6 ÷ 27.1	STROBE SLOW→FAST
0 ÷ 3	0.0 ÷ 1.2	OPEN