CLAY PAKY

AN OSRAM BUSINESS

GLOW UP

& FLIGHT CASE

C	C71050
TW	C71055
W	C71060
	F21230
	F21235

INSTRUCTIONS MANUAL

CONTENTS

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.

EN

SAFETY INFORMATION
IMPORTANT: Clay Paky recommends you carefully read and keep the safety information on this product, also available in digital format at the following link:
http://www.claypaky.it/en
Ref: [FIS012 – Safety Information GlowUp series]

IT

INFORMAZIONI DI SICUREZZA
IMPORTANTE: Clay Paky raccomanda di leggere accuratamente e conservare le informazioni di sicurezza relative a questo prodotto, sempre reperibili in versione digitale al seguente link:
http://www.claypaky.it/en/download
Rif: [FIS012 – Safety Information GlowUp series]

DE

INFORMATIONEN ZUR SICHERHEIT
WICHTIG: Clay Paky empfiehlt, die Sicherheitsinformationen bezüglich dieses Produkts genau zu lesen und aufzubewahren. Sie sind in Digitalversion immer unter folgendem Link auffindbar:
http://www.claypaky.it/en/download
Ref: [FIS012 – Safety Information GlowUp series]

ES

INFORMACIONES DE SEGURIDAD
IMPORTANTE: Clay Paky recomienda leer detenidamente y conservar la información de seguridad relativa a este producto. Además, está disponible una versión digital de la misma en el siguiente enlace:
http://www.claypaky.it/en/download
Ref: [FIS012 – Safety Information GlowUp series]

FR

CONSIGNES DE SÉCURITÉ
IMPORTANT: Clay Paky recommande de lire attentivement et de conserver les informations de sécurité relatives à ce produit, disponibles en version digitale au lien suivant:
http://www.claypaky.it/en/download
Réf. : [FIS012 – Safety Information GlowUp series]

RU

ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ
ВАЖНО: Clay Paky рекомендует внимательно прочитать и сохранить инструкцию по технике безопасности данного изделия, которая всегда доступна в электронном формате по следующей ссылке:
http://www.claypaky.it/en/download
Наименование: [FIS012 – Safety Information GlowUp series]

UNPACKING AND PREPARATION

1
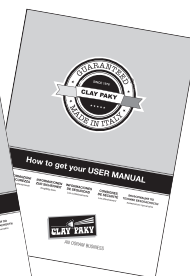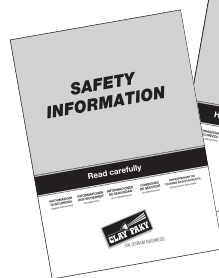
OPTIONAL ACCESSORY C71110
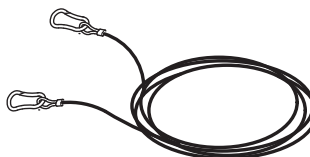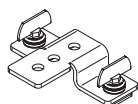
Packing content - Fig. 1

REMOVAL OF THE PROTECTIVE FILM

2
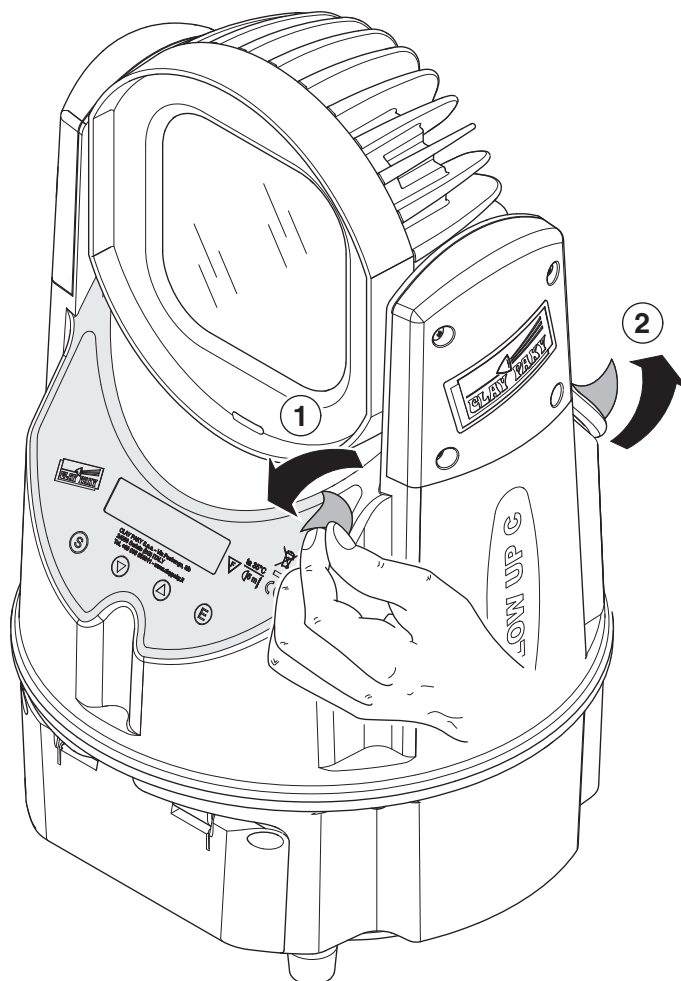
3
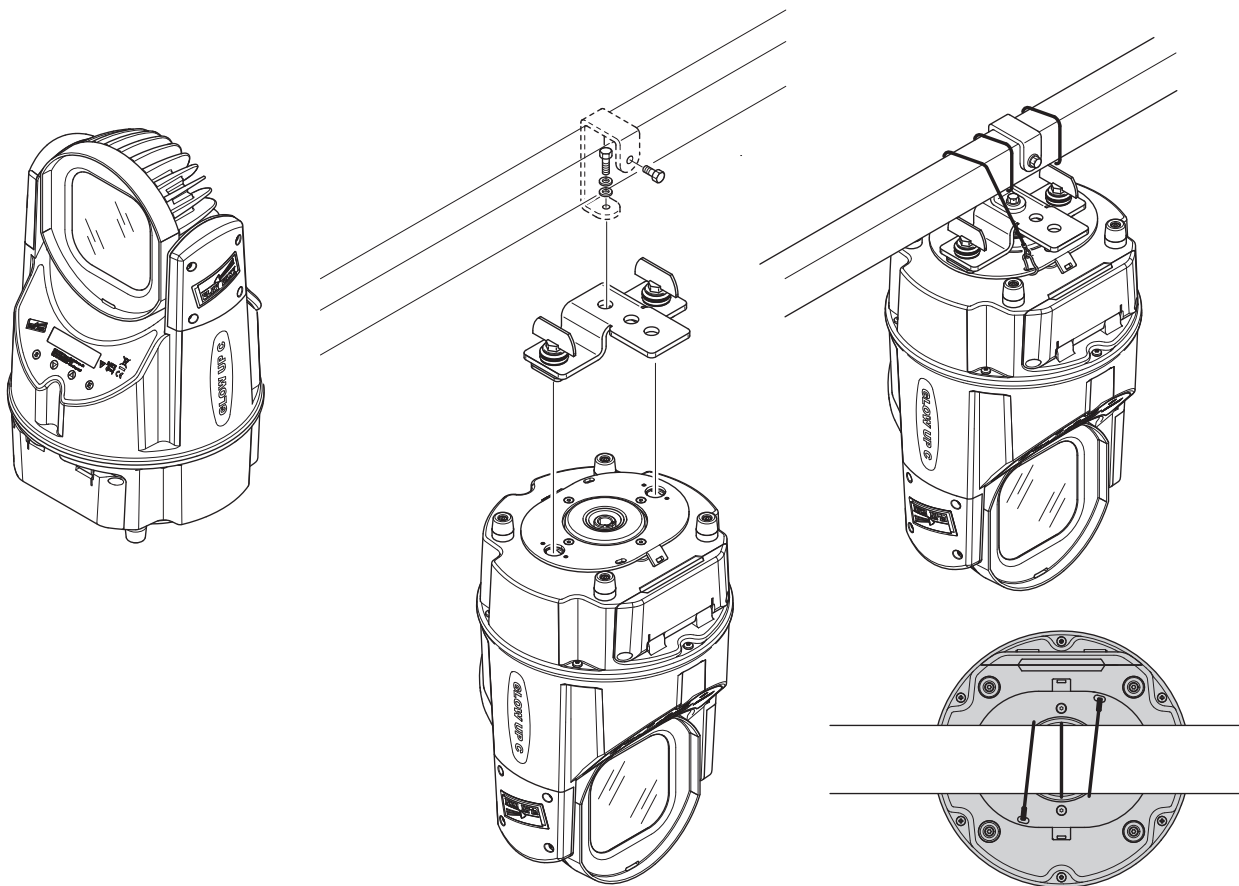
Projector installation - Fig. 3

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.

4
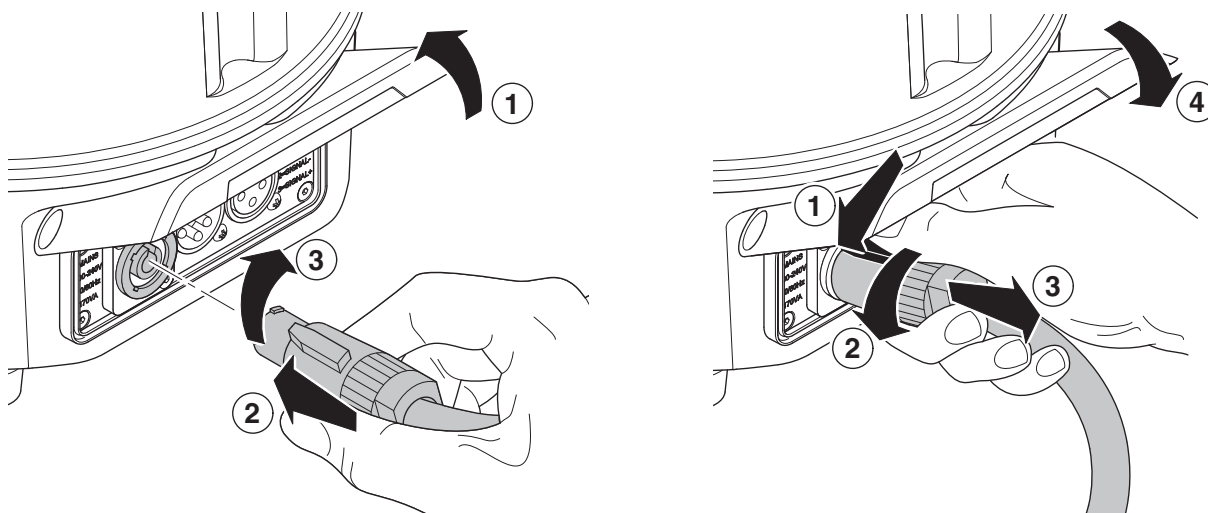
Connecting and disconnecting the power cord - Fig. 4

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.

When the projector is powered by connection to the mains, it could be necessary to adopt appropriate measures to avoid EMI disturbances to broadcast receiver equipment.

5

Power Supply

L

N
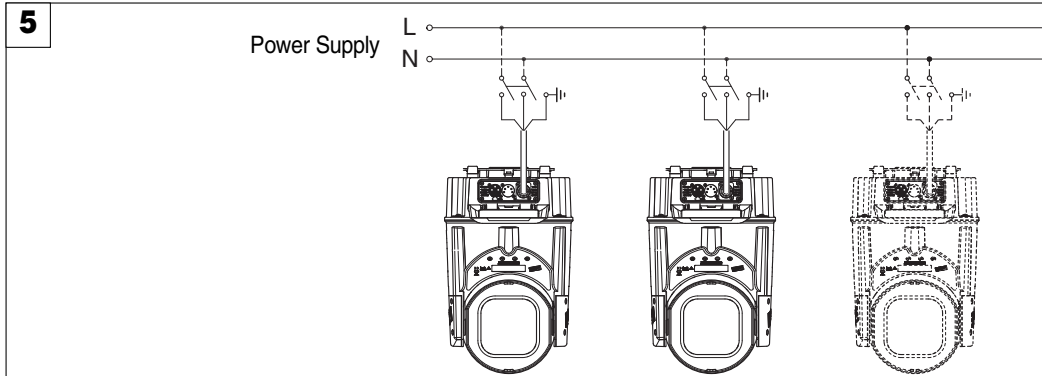
Connections to the power mains - Fig. 5

6

DMX 512

DMX 512
5 PIN

5 1
4 3 2

SCREEN
— SIGNAL
+ SIGNAL

Connections to the control signal line (DMX) - Fig. 6
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-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.
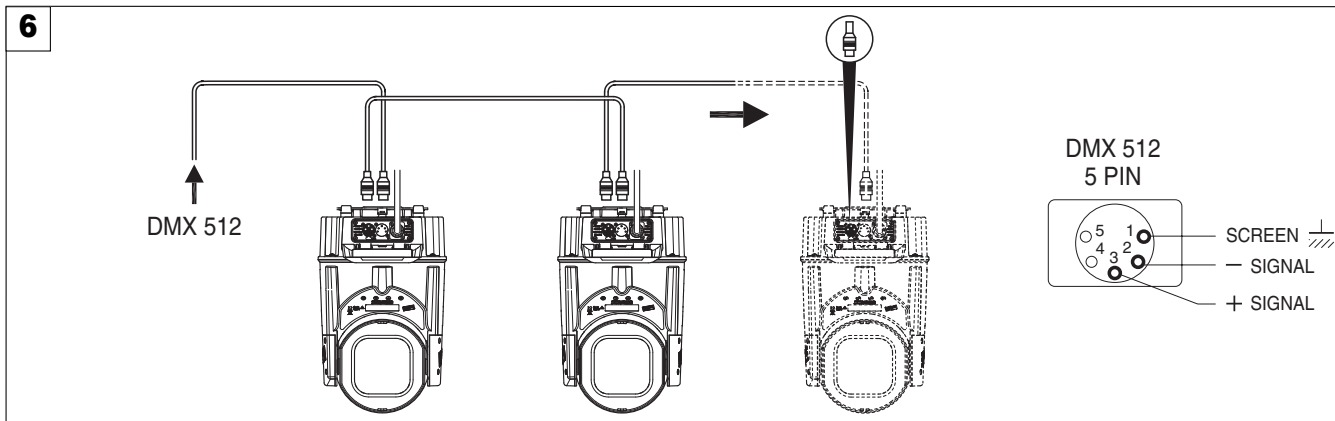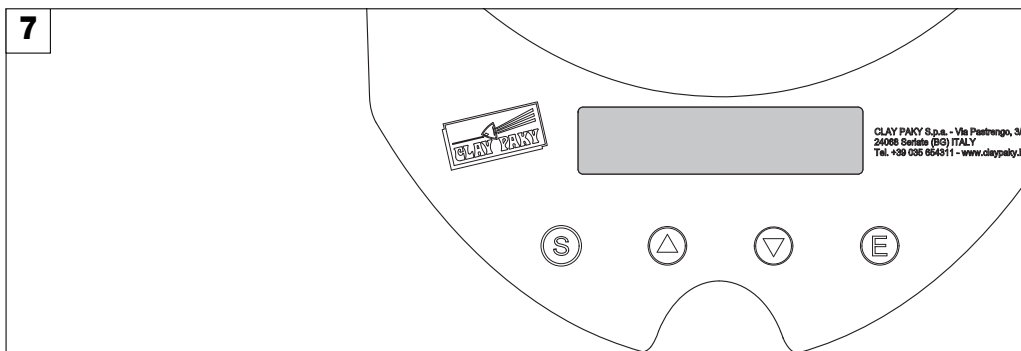**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing must be connected to the shield braid and pin 1 of the connectors.

7

CLAY PAKY

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S △ ▽ E

Switching on the projector - Fig. 7
The projector immediately turns on when the power cord is plugged in or, if used in battery mode, by pressing and holding down keys Ⓔ and Ⓢ for several seconds.

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

* see page 6
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 Ⓔ key will be cancelled.
To turn off the GlowUP, hold down keys Ⓔ and Ⓢ for several seconds. A confirmation message will appear (Switch off?).
Press Ⓔ -Yes to turn off the GlowUP or press Ⓢ -NO to return to the settings menu.

When GlowUp is in idle status the information page will appear on the display:

DMX Address ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯ Time or percent remaining
of the battery charge

> ADDR 001   BAT 40%
>
> STND   ←Yy→   FRES/W

Operating mode ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯ Factory reset? Y/N
(see page 18)

Link status
(Wireless or Wired)

Warning Radio

W42 (radio board not found)

W43 (radio board not interact)

If errors W42/W43 appear on the display, do
an RDM Discovery (see page 13) to see if the
error disappears. If it does not, check the
intactness of the wireless board.

Display symbology - (Link Status)

Ψ→	Transmission to DMX cable
Ψ←	Reception from DMX cable
→Ψ	Reception DMX from Radio (wireless)
←Ψ	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 12.

Button functions – Menu SET

SELECT (S)	· **If pressed in idle status:** Cyclically switches between idle status and menu settings. · **If pressed while setting a menu:** Moves to an upper level without changing anything (exits the function)
DOWN (▼)	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.
UP (▲)	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.
ENTER (E)	Confirms the displayed value or activates the displayed function or opens the next menu.

BUTTON FUNCTION

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

```
        ??       BAT  40%
    SET    ▶       ■    MOD
```

(S)   (△)   (▽)   (E)
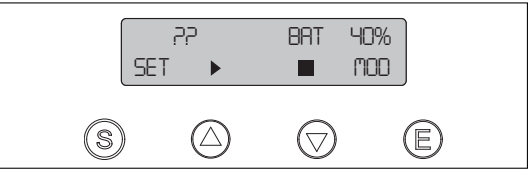
Press SET SELECT ⓢ to access the menus:
Program
DMX Address
Advanced (Menu use is recommended for qualified technical personnel.)

Press ENTER ⓔ MOD to select the Glow UP operating mode

Mode	
	Stand Alone
	DMX
	Slave
	Master
	Repeater
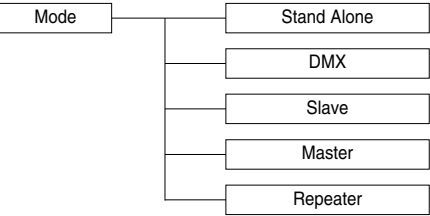
NOTE: in a GlowUp series which is part of a battery, it is imperative to first select all the receivers and finally select the Transmitter.

▶ ❚❚
PLAY/PAUSE UP ⊙ key: activates or pauses a particular mode.

Play ▶	
	Preset Colors
	Sequences
	Manual Control
	Play Rec
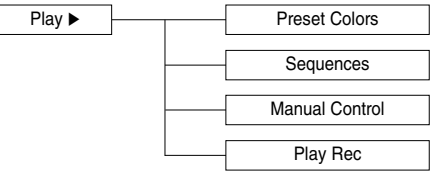
■
STOP ■ DOWN ⊙ key: deactivates the active programme.

PRESET COLORS FOR STAND ALONE "GLOWUP C"

Colour		Reference	Bit value			
			R	G	B	W
01	RGBW	-	0	0	0	0
02	RED	-	255	0	0	0
03	GREEN	-	0	255	0	0
04	BLUE	-	0	0	255	0
05	YELLOW	-	255	255	0	0
06	CYAN	-	0	250	185	0
07	MAGENTA	-	255	0	140	0
08	WHITE	-	0	0	0	100
09	ORANGE	-	255	115	0	0
10	PINK	-	127	0	0	100
11	VIOLET	-	255	0	184	200
12	AQUA	-	85	255	105	0
13	SKY BLUE	-	118	255	150	0
14	FULL WHITE	-	255	255	255	255
15	COOL WHITE	-	225	255	253	255
16	WARM WHITE	-	255	255	220	255
17	WHITE 3200	-	255	176	0	255
18	WHITE 2500	-	255	99	0	255
19	YELLOW 2	LEE 101	133	145	0	0
20	STRAW	LEE 103	255	255	0	240
21	ORANGE	LEE 105	246	195	0	0
22	LIGHT ROSE	LEE 107	218	0	0	255
23	DARK PINK	LEE 111	255	0	120	255
24	MAGENTA	LEE 113	255	0	78	0
25	BLUE 2	LEE 115	0	255	175	0
26	MED BLUE GREEN	LEE 116	0	255	160	0
27	DARK BLUE	LEE 119	0	180	180	0
28	BRIGHT PINK	LEE 128	255	0	141	95
29	MEDIUM BLUE	LEE 132	0	255	200	0
30	GOLDEN AMBER	LEE 134	255	175	0	25
31	DEEP GOLDEN AMBER	LEE 135	255	140	0	25
32	PALE LAVENDER	LEE 136	0	0	100	190
33	APRICOT	LEE 147	152	122	0	76
34	DARK LAVENDER	LEE 180	0	114	144	112
35	CHOCOLATE	LEE 156	238	189	0	227
36	JUST BLUE	LEE 079	0	187	175	0
37	SURPRISE PINK	LEE 194	78	0	0	255
38	SCARLET	LEE 024	255	0	58	113
39	SURPRISE PEACH	LEE 017	145	0	0	153
40	FIRE	LEE 019	255	141	44	0
41	ENGLISH ROSE	LEE 108	161	119	0	255
42	MAUVE	LEE 126	255	0	208	150
43	BRIGHT BLUE	LEE 141	0	255	186	37
44	ALICE BLUE	ROSCO 378	0	255	223	140
45	ROSE INDIGO	ROSCO 358	0	0	255	133
46	URBAN BLUE	ROSCO 081	0	255	187	35
47	COOL BLUE	ROSCO 066	0	255	148	153
48	LIGHT SALMON	ROSCO 030	255	112	0	162
49	MAYAN SUN	ROSCO 318	150	114	0	162
50	CHERRY ROSE	ROSCO 332	255	0	92	0
51	FLESH PINK	ROSCO 034	255	0	132	255
52	SKELTON EXOTIC SANGRIA	ROSCO 039	255	0	180	100

Main Menu	Level 1	Level 2	Level 3	Level 4	Choices / *Values*
GLOW UP	Program	Edit Scene	Scene 1-10	Preset Colors	0 - 255
				Red	0 - 255
				Green	0 - 255
				Blue	0 - 255
				White	0 - 255
				Dimmer	0 - 255
				Stop-Strobe	0 - 255
		Edit Sequence	Memory 1-10	→	Add step
				→	Delete step
				→	Modify step
		DMX Recorder	→	→	Memory x ?
			→	→	Memory erase ?
	DMX Address	→	→	→	1-506
SET	Advanced Access Code 1234	Setup	Radio	→	Unlink Transmitter
				→	Link Receivers
				→	Unlink Receiver
				→	TX Mode
				→	RDM Discovery
			Mode	Slave Priority	Cable
					Wireless
				Master Output	Cable + Wireless
					Cable
					Wireless
				Repeater — Direction	Wireless to cable
					Cable to wireless
				Repeater — Function	Repeat & Play
					Repeat Only
			Lock Option	Lock	On / Off
				Set Password	XXXX
			Power Mode	→	Mixed Mode
				→	AC Mode
				→	Battery Mode
			Display	→	On / Off
			Contrast	→	0-10
			Charging answer	Default answer	Yes / No
			Battery display	→	Automatic
				→	Percentual
				→	Time left
			Fixture ID	→	xxxxxxx
			Preset	Factory Reset	OK ?
				User Reset	OK ?
				User save	OK ?
				Transfer Set	Cable upload
					Radio Upload

Main Menu	Level 1	Level 2	Level 3	Level 4	Choices / *Values*
SET	Advanced Access Code 1234	Set Model	→	→	Color
			→	→	Tunable White
			→	→	White
			→	→	Color LR
			→	→	Tunable White LR
			→	→	White LR
		FW Uploader	→	→	Appl. Upload
			→	→	Boot upload
			→	→	Transfer Set
		Information	Charge Battery hour	→	hh:mm
			Discharge Battery hour	→	hh:mm
			Battery Monitor	→	Voltage
				→	Current
			LED Temperature	→	Temperature
				→	Max temperature
			Total LED hours	→	hh:mm
			System Version	→	Appl.release
				→	Boot release
			DMX Monitor	→	Channel 1-7
		Reset	Reset to Slave W	→	OK ?
			Reset to DMX W	→	OK ?
			Factory Reset	→	OK ?
			CPU Reset	→	OK ?
		Test	---	---	---

Select ———— (S)   (△) UP   DOWN (▽)   (E) ———— Enter
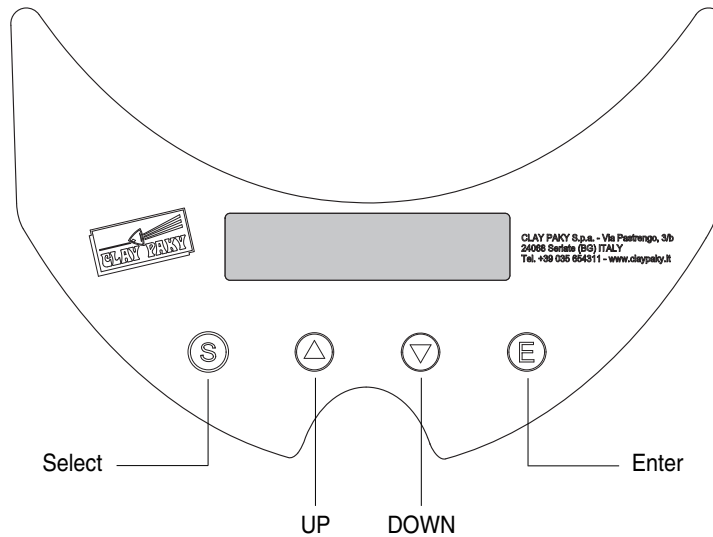
SHORT-CUT KEYS MENU

- Press ENTER and DOWN to switch off Glow UP (Switch off ? Yes/No).

- Press ENTER and UP to quickly open DMX address settings.

- Press ENTER and hold down for several seconds with GlowUP in idle conditions to restore ''Factory'' settings. (Factory Reset).
''Factory Reset'' is only applied to ''Current'' Preset and not to ''User'' Preset.

- Hold down the SELECT and UP keys or UP and DOWN keys to quickly open the Menus:
Factory Reset ('Factory Reset'' is only applied to ''Current'' Preset and not to ''User'' Preset).
User Reset
User Save
Transfer Set

- Press the ENTER and DOWN keys to quickly open the Menus:
Unlink Transmitter
Link Receivers
Unlink Receiver
TX Mode
RDM Discovery

- Press ENTER twice to quickly set the function mode, selecting from the following options:
Stand Alone
DMX
Slave
Master
Repeater

Press Select twice with GlowUP in idle conditions to open the SET menu

SET – PROGRAM ……….
EDIT SCENE
To create/overwrite/modify a SCENE customised by the user:
1 to 10 scenes can be customised using each single GlowUP channel.

- Press ENTER to display Scene 1.
- Use the UP and DOWN keys to select from the ten available SCENES.
- Press ENTER to open the SCENE.
- A bit value can be associated with each GlowUp channel inside each SCENE using the UP and DOWN keys.
- When finished with settings, press SELECT. A confirmation message appears: SAVE SCENE X ?.
- Press ENTER to confirm and save the SCENE or SELECT to return to the previous menu.

SET – PROGRAM ……….
EDIT SEQUENCE
It allows you to create a sequence made up of a series of SCENES saved by the user.
- Press ENTER to display MEMORY 1.
- Use the UP and DOWN keys to select from the ten available MEMORY.
- Press ENTER to open the MEMORY and add/delete/edit STEP with SCENE / SPEED / FADE as desired.
- Press ENTER to confirm the selection or SELECT to return to the previous Menu.

SET – PROGRAM ……….
DMX RECORDER
To record a scene sequence programmed on the unit. To accept a recording, the projector must be set to: Slave --> Receiver.
Press ENTER, reset the "Memory" by pressing ENTER again. GlowUp is now ready to store control unit DMX data (DMX waiting ...).
On completing the recording, press ENTER to save, otherwise press SELECT.

SET ……….
DMX ADDRESS
It allows the user to set the DMX address to be assigned to the projector.

ADVANCED

To enable the "Menu Advanced" enter the code (1234) using the UP, DOWN and ENTER keys.

RADIO

It assigns the desired command to the GLOW UP 'Radio' module choosing from one of the following:
- **Unlink Transmitter:** Disconnected from the transmitter
- **Link Receivers:** Connected to all free receivers
- **Unlink Receiver:** Disconnected from all receivers
- **Tx mode:** It allows the user to select one of the two available transmission channels between G3 (recommended for those who do not use RDM-wireless commands) and G4 (only recommended if RDM-wireless commands are used).

RDM discovery – to be used only when the wireless card is replaced; press ENTER to start the automatic search option.

MODE

It allows the GlowUp operating mode to be assigned:

SLAVE PRIORITY: GlowUp operates as Slave, press ENTER to select the DMX signal reception priority in the event of conflict between cable or wireless signal.
- **Cable** (default)
- **Wireless**

MASTER OUTPUT: GlowUp operates as Master, press ENTER and use the UP and DOWN keys to select how the DMX signal is transmitted to other devices:
- **Cable+Wireless**
- **Cable**
- **Wireless**

REPEATER: GlowUp runs as a repeater.
In this case, select how GlowUP runs as a repeater meaning:
Direction: select whether the repeater should send the DMX signal from:
- **Wireless to Cable**
- **Cable to Wireless**
Function: select whether the repeater should run from:
- **Repeat & Play** (GlowUp repeats and plays)
- **Repeat Only** (GlowUp only runs as repeater)

To enable the REPEATER function, turn on (Enable) or off (Disable)

LOCK OPTION
It lets you assign a lock password, requested at each projector start up (Lock). The same password can be used to access the ''Menu Advanced''.

Press ENTER and open the ''Lock'' menu to enable ON or disable OFF the password request at start up.
*   Select ON to enable. The previously entered password is displayed. Use the UP and DOWN and ENTER keys to enter the desired numeric password.
*   By selecting OFF, no password will be requested at projector start up.

Open the ''Set Password'' menu and use the UP, DOWN and ENTER keys to assign the desired numeric Password.

POWER MODE
Lets you select the set projector power type.
Press ENTER - current settings are displayed. Use the UP and DOWN keys to select from the 3 available options:
*   **AC Mode**: only runs with mains power, in the event of power outage, the G.U.S. 100 turns off.
*   **BATTERY Mode**: directly battery powered when turned on without mains power; if mains power is on or connected later, it automatically charges to 100% and then stops charging; if mains power is turned off, it turns off (as with flight case).
*   **MIXED Mode** (default): mixed operations, as per first firmware release. Press ENTER to confirm the selection (the display blinks for several seconds) or SELECT to keep current settings and return to the previous menu.

DISPLAY
Allows you to dim the display backlight 60 seconds after switching to idle status. To turn it back on, simply press any key.
Enable OFF or disable ON for display backlight reduction.

CONTRAST
It lets the user adjust the display contrast, selecting display contrast values between 0 and 10.

CHARGING ANSWER
This allows a default answer to be assigned for the battery charging request, when the projector is powered by the relative power cable (Powercon):
*   On selecting YES, it will automatically switch to the powered by battery status 1 minute after the projector strip cord is connected to the mains.
*   On selecting NO, it will automatically switch to the powered by cable status (excluding the battery mode) 1 minute after the projector strip cord is connected to the mains.

BATTERY DISPLAY
Allows you to select how to display the battery charge in idle status.
- Press ENTER - current settings are displayed.
- Use the UP and DOWN keys to select from the 3 available options:
  Automatic: displays the remaining battery charge in hours or as a percentage.
  Percentual: displays the percentage of remaining battery charge.
  Time left: displays the remaining time of the battery charge in hours.
- Press ENTER to confirm the selection (the display blinks for several seconds) or SELECT to keep current settings and return to the previous menu.

FIXTURE ID
It allows you to display the GLOW UP ID address.

PRESET
It lets you set, save and transfer each GlowUp settings:
- **Factory Reset**: It assigns factory settings to the Glow UP
- **User Reset**: It assigns the settings previously saved by the user to GlowUp (see User Save)
- **User Save**: once all necessary GlowUp settings are set, it saves them in the memory to recall them in the future.
- **Transfer Set**: It lets you transfer GlowUP settings to another either via cable (Cable Upload) or Wireless (radio Upload).

SET MODEL
Use to change/select the model to be assigned to the projector.
Use the UP and DOWN keys to select one of the following models:
- COLOR (GlowUP C with Wireless Solution radio board)
- TUNABLE WHITE(GlowUP TW with Wireless Solution radio board)
- WHITE(GlowUP W with Wireless Solution radio board)
- COLOR LR (GlowUP C with Lumen Radio radio board)
- TUNABLE WHITE LR (GlowUP TW with Lumen Radio radio board)
- WHITE LR (GlowUP W with Lumen Radio radio board)

FW UPLOADER
It lets you transfer software (**Appliance** or **Boot**) and settings (**Transfer Set**) from one projector to all connected projectors.
Press ENTER to select the above mentioned transfer mode either via Wireless (**Radio upload**) or cable (**Cable upload**).

CHARGE BATTERY HOURS
This option allows the user to view the total number of battery load hours from construction to today.

DISCHARGE BATTERY HOURS
Displays total projector battery powered operating hours from construction to date.

BATTERY MONITOR
Allows you to display the battery voltage and current status.

LED TEMPERATURE
Displays the LED working temperature:
- **Temperature** (real-time LED temperature)
- **Max Temperature** (maximum temperature measured on LED)

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

TOTAL LED HOURS
This option allows the user to view the total number of LED operating hours from construction to date.

SYSTEM VERSION
Lets you view the 2 firmware versions loaded on the projector CPU board:
- **Appliance release** (Main firmware)
- **Boot release** (Backup software)

DMX MONITOR
Displays the DMX input level in bit for each projector channel.

SET - ADVANCED – RESET ……….
RESET TO SLAVE WIRELESS
Resets GlowUP and automatically sets SLAVE WIRELESS settings.
Default settings after Reset are the following:
- "Master Output"-> "Cable + Wireless"
- "Repeater"-> "Disable"
- "Repeater"-> "Function"->"Repeat & Play"
- "Repeater"-> "Direction"->"Wirel. to Cable"
- "DMX address" = 1
- "Display"-> Off
- "Contrast" = 5
- "MOD"-> "Master/Slave" -> "Receiver"
- "Slave Priority"-> "Wireless

RESET TO DMX WIRELESS
Resets GlowUP and automatically sets DMX WIRELESS settings.
Default settings after Reset are the following:
· "Master Output"-> "Cable + Wireless"
· "Repeater"-> "Disable"
· "Repeater"-> "Function"->"Repeat & Play"
· "Repeater"-> "Direction"->"Wirel. to Cable"
· "DMX address" = 1
· "Display"-> Off
· "Contrast" = 5
· "MOD"-> "Stand Alone/DMX"

FACTORY RESET
Factory Reset is only applied to CURRENT Preset and not USER Preset
Resets GlowUP and automatically sets factory settings.
Default settings after Reset are the following:
· "Master Output"-> "Cable + Wireless"
· "Repeater"-> "Disable"
· "Repeater"-> "Function"->"Repeat & Play"
· "Repeater"-> "Direction"->"Cable to Wireless"
· ''DMX address'' = 1
· "Display"-> Off
· "Contrast" = 5
· "MOD"-> "Stand Alone/DMX"
· "Slave Priority"-> "Cable"

CPU RESET
Used to reset the CPU, no settings are reset.

TEST
Used to test the correct operations of effects.

Operating Mode	Descrizione	Display
Stand Alone	Does not receive DMX and executes only the Play	STND
DMX	Receives DMX	DMX
Slave	Slave Glow UP receives (on address 1) if the GlowUp Master is set in Play sequences. Slave Glow UP receives on its DMX address if GlowUp Master transmits a recording DMX	SLV
Master	Broadcasts sequences or recording DMX	MAST
Repeater	Receives and repeat, depending on the configuration set in the " Advance Menu".	RPTR

RDM CONTROLS IMPLEMENTED FOR GLOWUP SERIES

| Control	PID	GET	SET	Description controller side
DEVICE_INFO	0x0060	X		Gathers information from the device
IDENTIFY_DEVICE	0x1000		X	Makes the red leds on the addressed device pulse
DMX_START_ADDRESS	0x00F0	X	X	Reads or sets the DMX address
SOFTWARE_VERSION_LABEL	0x00C0	X		Reads the firmware version
SUPPORTED_PARAMETERS	0x0050	X		Gathers the PIDS on the non-basic controls
PARAMETER_DESCRIPTION	0x0051	X		Gathers information on the controls related to the manufacturer
DMX_PERSONALITY	0x00E0	X	X	Reads or sets the channel mode
DMX_PERSONALITY_DESCRIPTION	0x00E1	X		Reads the description of the channel mode
MANUFACTURER_LABEL	0x0081	X		Reads the manufacturer name
DEVICE_LABEL	0x0082	X	X	Reads or writes a label on the device
SENSOR_DEFINITION	0x0200	X		Reads the description of the sensors present
SENSOR_VALUE	0x0201	X		Reads the level of the led temperature sensor
RECORD_SENSORS	0x0202		X	Saves the current temperature level
DEVICE_MODEL_DESCRIPTION	0x0080	X		Reads the text description of the model

MANUAL ZOOM - ANTENNA
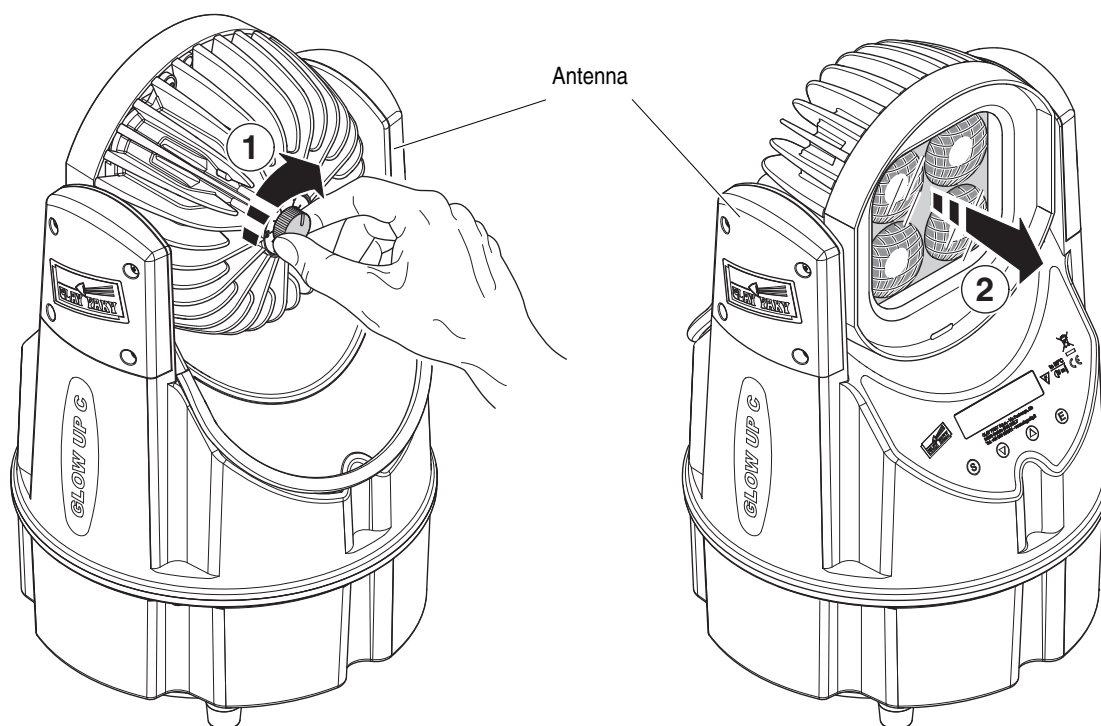
NOTES: To achieve best wireless performance, it is recommended to position GlowUp with the aerial side facing the transmitter, when possible.
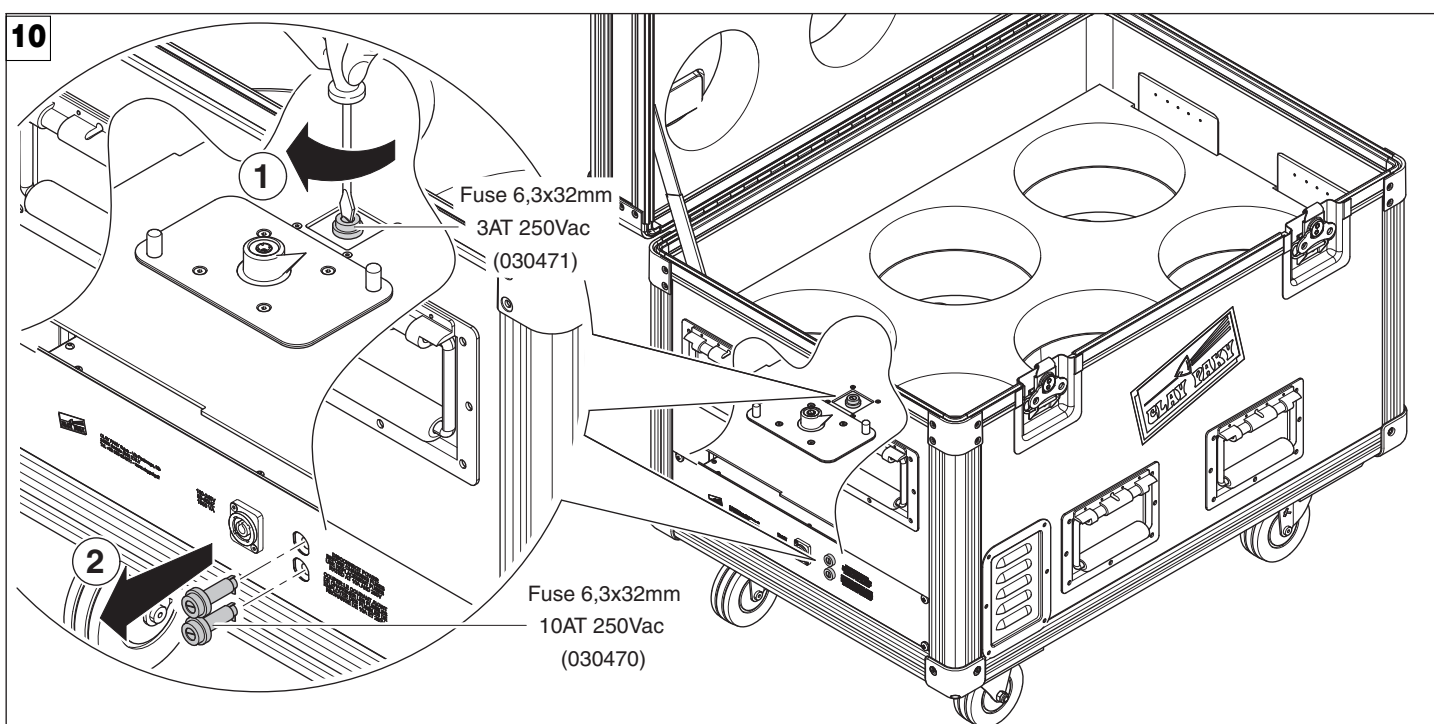
Manual zoom - Fig. 8
The GlowUP has a manual zoom located on the back of the projector head.
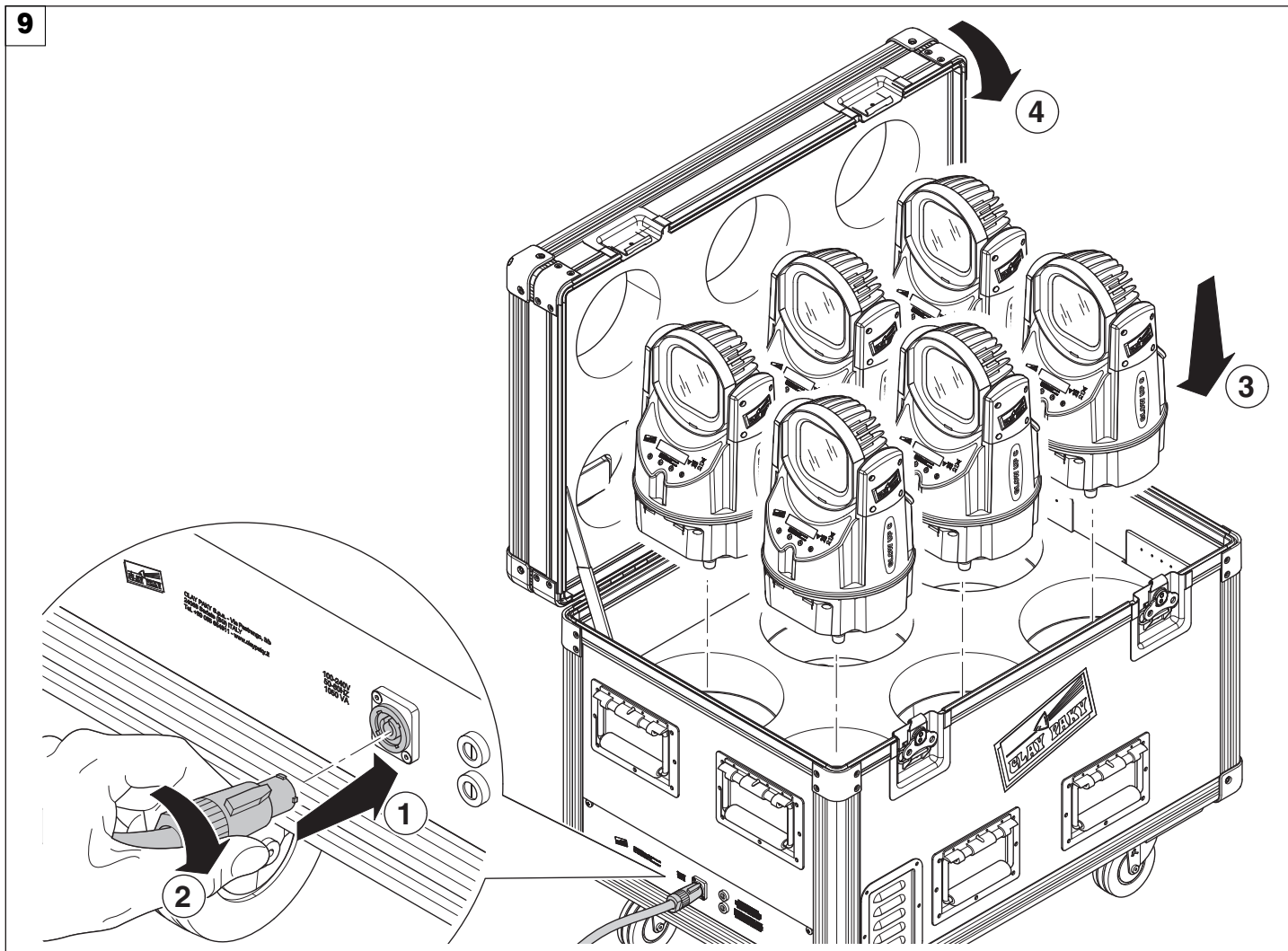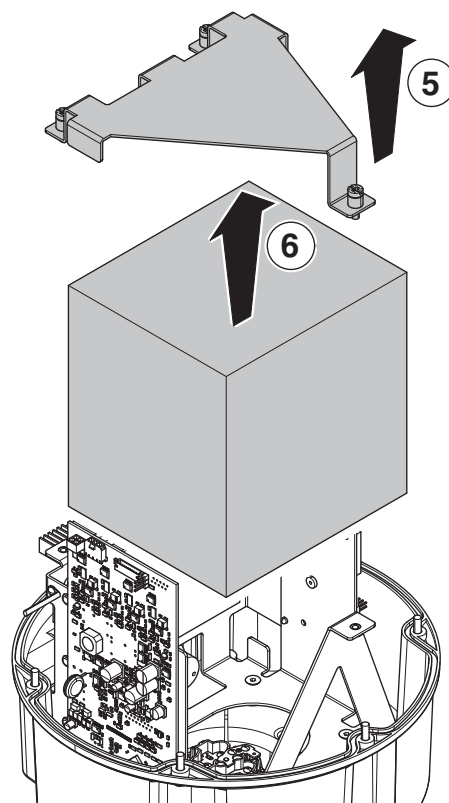
Charging glow up - Fig. 9
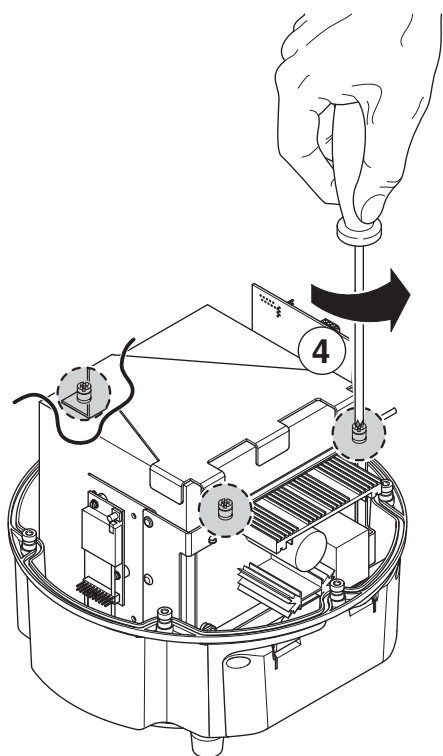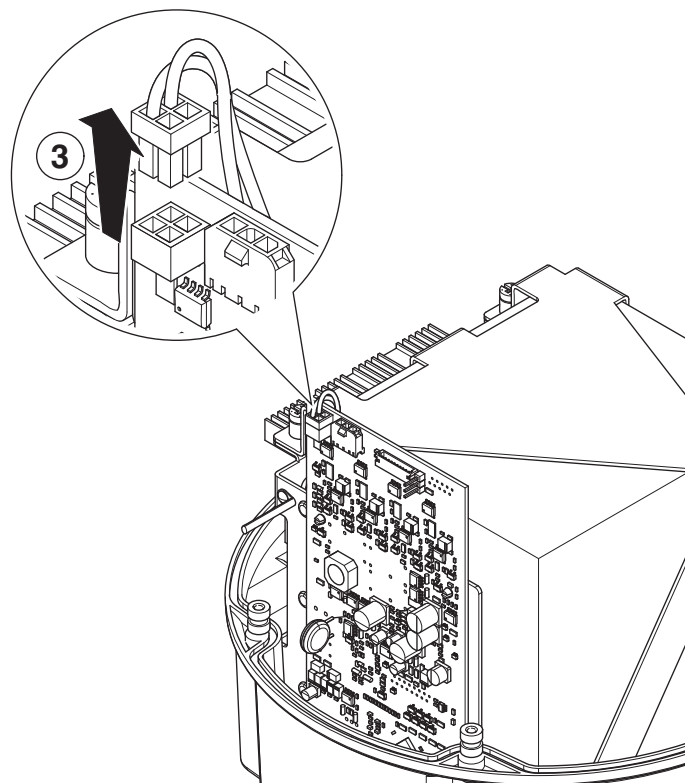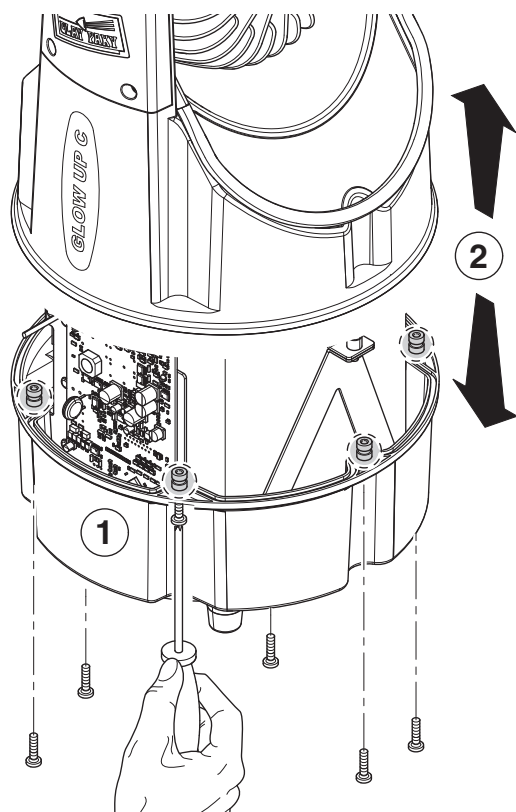From 1 to 6 Glow Ups can be simultaneously charged by appropriately connecting and powering the flight-case.

Fuse 6,3x32mm
3AT 250Vac
(030471)

Fuse 6,3x32mm
10AT 250Vac
(030470)

Replacing flight case fuses - Fig. 10
Each flight-case has 2 fuses associated with the main power cord connection and one fuse for each Glow UP charge station.

Battery removal - Fig. 11

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.

LiFePO4   **Notes on how to achieve correct battery operations**

1) Do not tamper with the control electronic circuit, do not tamper with the battery, do not short-circuit the battery.

2) Do not reuse GlowUp after self-switch off as this indicates a low battery; recharge GlowUp before using it again.

3) Do not leave the battery completely flat for over 5 days.

4) When not in use, recharge the battery at least every 4 months.
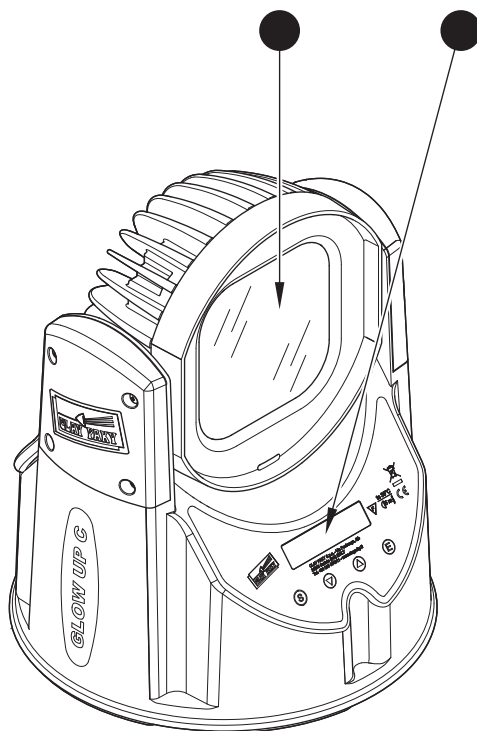
● Parts requiring frequent cleaning.

Periodic cleaning - Fig. 12
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

MAGNETIC HOLDER
C71111---2- black
C71111---7- white

PADLOCK
Not commercialized from Clay Paky
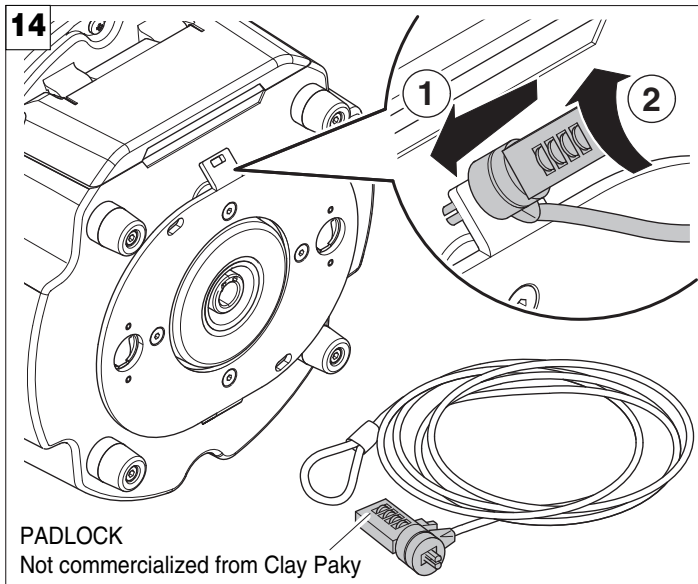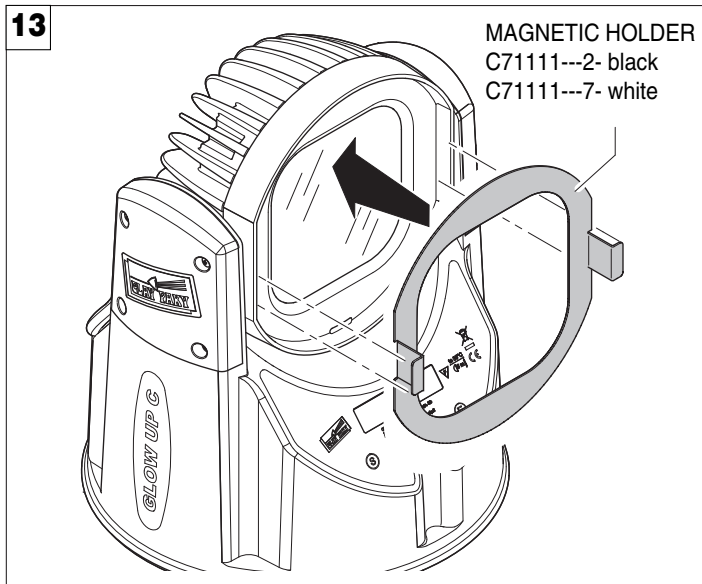
TECHNICAL DATA

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
5700K GlowUP C
6000K GlowUP W
6200K cool white GlowUp TW
2700K warm white GlowUp TW
4200K cool+warm white GlowUp TW

Head adjustment
+/-105°

Cooling
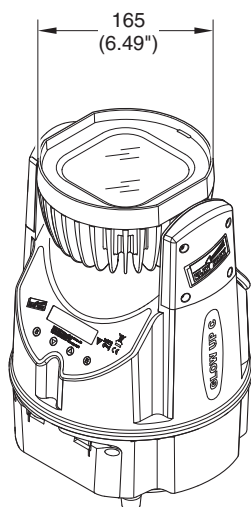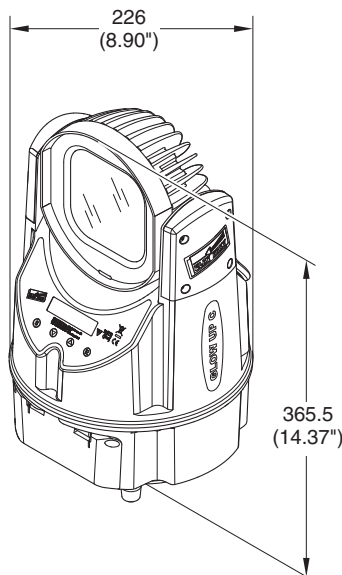High efficiency external die-cast aluminium

Control
• Wireless DMX multimode: Master, Slave and Reapeter
• 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

Input Power
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 (16.8 lbs)

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

226
(8.90")

365.5
(14.37")

165
(6.49")

CAUSE AND SOLUTION OF PROBLEMS

					TROUBLE
THE PROJECTOR WILL NOT SWITCH ON					
	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

GLOW UP TW

CHANNEL	CHANNEL MODE (Colour temperature)		
	INDEPENDENT	CONSTANT INTENSITY	MAX INTENSITY
1	COOL WHITE 6200K	TUNABLE WHITE	TUNABLE WHITE
2	WARM WHITE 2700K	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

CHANNEL 1   CHANNEL 2   CHANNEL 3

RED   GREEN   BLUE

BIT	EFFECT
255	MAX BRIGHTNESS
0	LED OFF

· WHITE - channel 4

BIT	EFFECT
255	MAX BRIGHTNESS
0	LED OFF

· DIMMER - channel 5

BIT	EFFECT
255	MAX BRIGHTNESS
0	LED OFF

· STOP / STROBE - channel 6

BIT	EFFECT
251 ÷ 255	OPEN
238 ÷ 250	RANDOM STROBE FAST
225 ÷ 237	RANDOM STROBE MEDIUM
212 ÷ 224	RANDOM STROBE SLOW
207 ÷ 211	OPEN
141 ÷ 206	CLOSING PULSE FAST→SLOW
75 ÷ 140	OPENING PULSE SLOW→FAST
70 ÷ 74	OPEN
4 ÷ 69	STROBE SLOW→FAST
0 ÷ 3	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 6200K
WARM WHITE 2700K
STOP / STROBE

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

CONSTANT INTENSITY

MAX INTENSITY

· **COOL WHITE - channel 1**
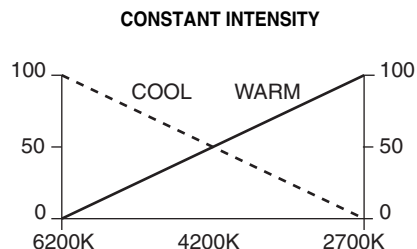
· **TUNABLE WHITE - channel 1**
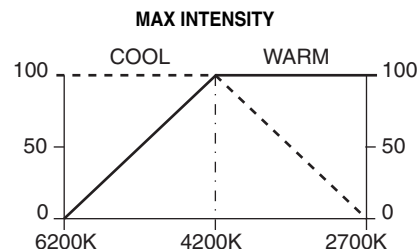
BIT	EFFECT
255	WARM WHITE
0	COOL WHITE

· **WARM WHITE - channel 2**

· **DIMMER - channel 2**

BIT	EFFECT
255	MAX BRIGHTNESS
0	LED OFF

· **STOP / STROBE - channel 3**

BIT	EFFECT
251 ÷ 255	OPEN
238 ÷ 250	RANDOM STROBE FAST
225 ÷ 237	RANDOM STROBE MEDIUM
212 ÷ 224	RANDOM STROBE SLOW
207 ÷ 211	OPEN
141 ÷ 206	CLOSING PULSE FAST→SLOW
75 ÷ 140	OPENING PULSE SLOW→FAST
70 ÷ 74	OPEN
4 ÷ 69	STROBE SLOW→FAST
0 ÷ 3	OPEN

· **STOP / STROBE - channel 3**

BIT	EFFECT
251 ÷ 255	OPEN
238 ÷ 250	RANDOM STROBE FAST
225 ÷ 237	RANDOM STROBE MEDIUM
212 ÷ 224	RANDOM STROBE SLOW
207 ÷ 211	OPEN
141 ÷ 206	CLOSING PULSE FAST→SLOW
75 ÷ 140	OPENING PULSE SLOW→FAST
70 ÷ 74	OPEN
4 ÷ 69	STROBE SLOW→FAST
0 ÷ 3	OPEN

GLOW UP W

· DIMMER - channel 1

BIT	EFFECT
255	MAX BRIGHTNESS
0	LED OFF

· STOP / STROBE - channel 2

BIT	EFFECT
251 ÷ 255	OPEN
238 ÷ 250	RANDOM STROBE FAST
225 ÷ 237	RANDOM STROBE MEDIUM
212 ÷ 224	RANDOM STROBE SLOW
207 ÷ 211	OPEN
141 ÷ 206	CLOSING PULSE FAST→SLOW
75 ÷ 140	OPENING PULSE SLOW→FAST
70 ÷ 74	OPEN
4 ÷ 69	STROBE SLOW→FAST
0 ÷ 3	OPEN