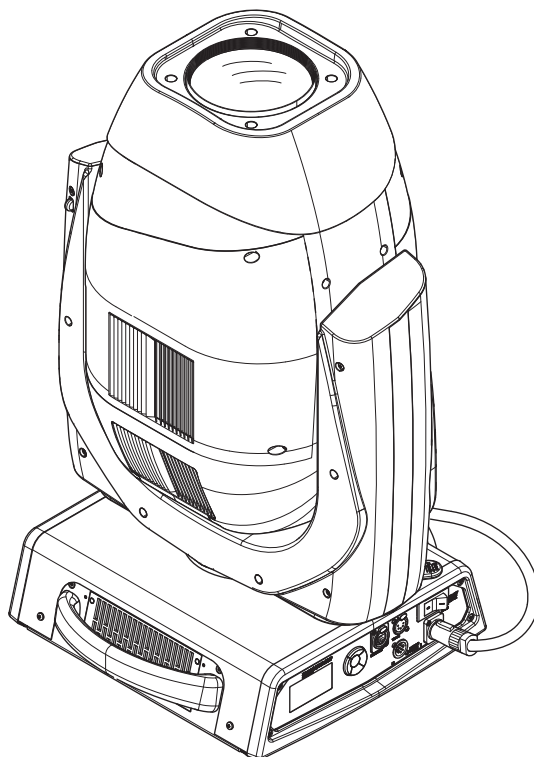


## INSTRUCTION MANUAL



### INDEX

Page	Contents
2	Safety information
3	Unpacking and preparation
4	Installation and start-up
5	Control panel
7	Maintenance
18	Optional accessories
19	Technical information
20	Cause and solution of problems

*Congratulations on choosing a Claypaky product!  
We thank you for your custom.*

*Please note that this product, as all the others in the rich Claypaky range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.*

## SAFETY INFORMATION

EN

### SAFETY INFORMATION

IMPORTANT: Claypaky 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: [FIS00L – Safety Information Scenius]

IT

### INFORMAZIONI DI SICUREZZA

IMPORTANTE: Claypaky 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: [FIS00L – Safety Information Scenius]

DE

### INFORMATIONEN ZUR SICHERHEIT

WICHTIG: Claypaky 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: [FIS00L – Safety Information Scenius]

ES

### INFORMACIONES DE SEGURIDAD

IMPORTANTE: Claypaky 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: [FIS00L – Safety Information Scenius]

FR

### CONSIGNES DE SÉCURITÉ

IMPORTANT: Claypaky 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. : [FIS00L – Safety Information Scenius]

RU

### ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ

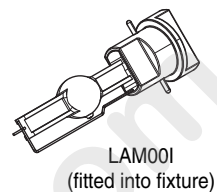
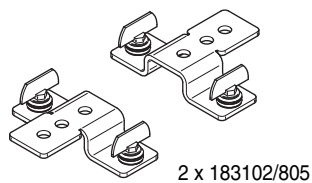
ВАЖНО: Клаупаку рекомендует внимательно прочитать и сохранить инструкцию по технике безопасности данного изделия, которая всегда доступна в электронном формате по следующей ссылке:

<http://www.claypaky.it/en/download>

Наименование: [FIS00L – Safety Information Scenius]

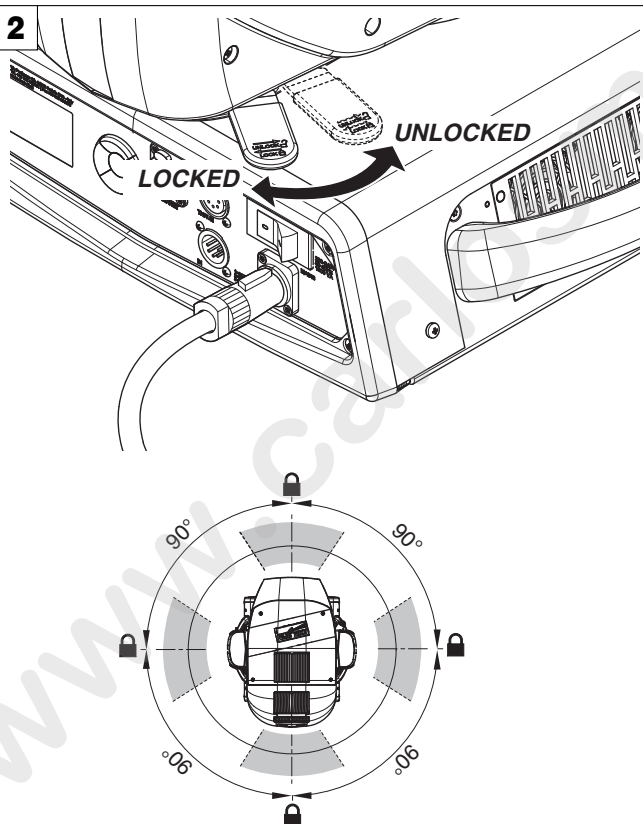
## UNPACKING AND PREPARATION

1



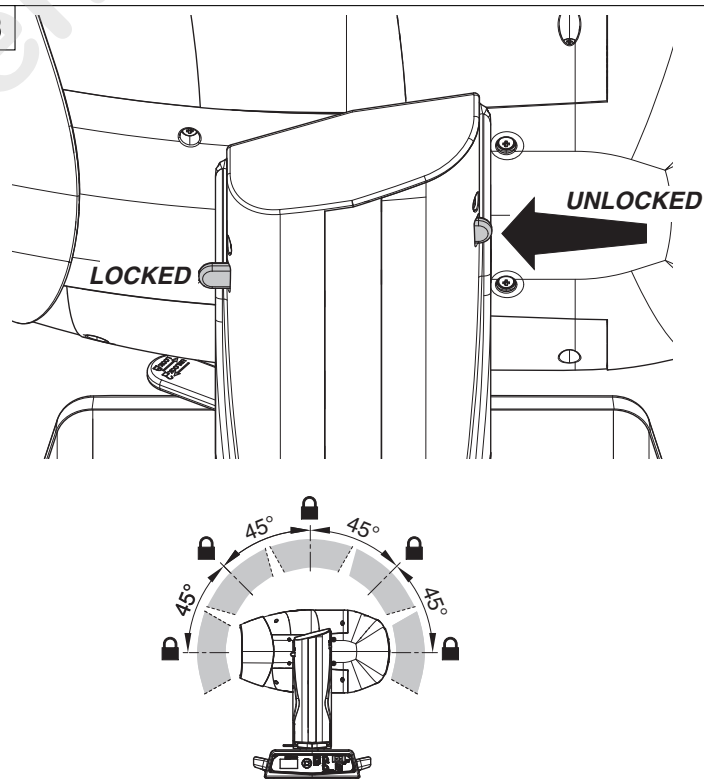
Packing contents - Fig. 1

2



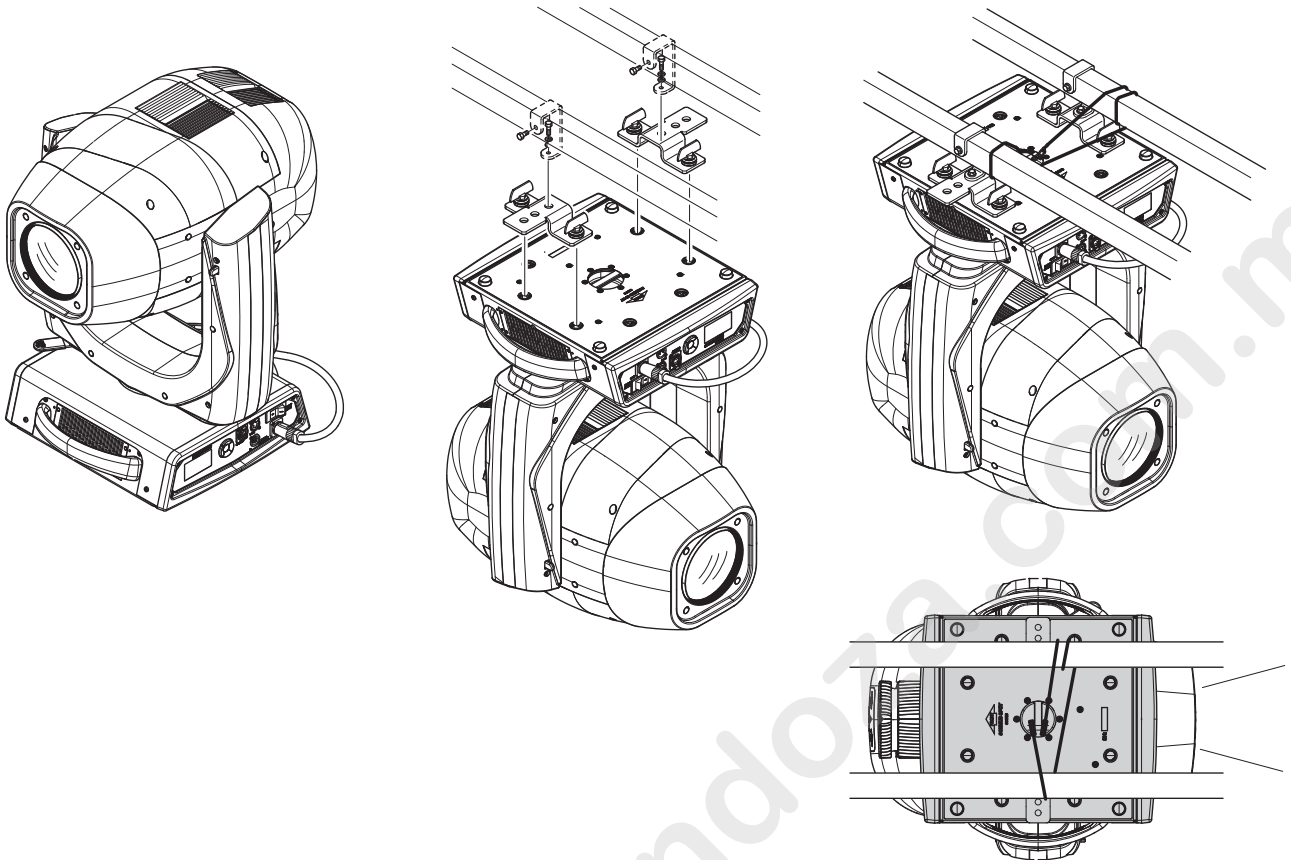
PAN Mechanism Lock and Release (every 90°) - Fig. 2

3



TILT Mechanism Lock and Release (every 45°) - Fig. 3

4

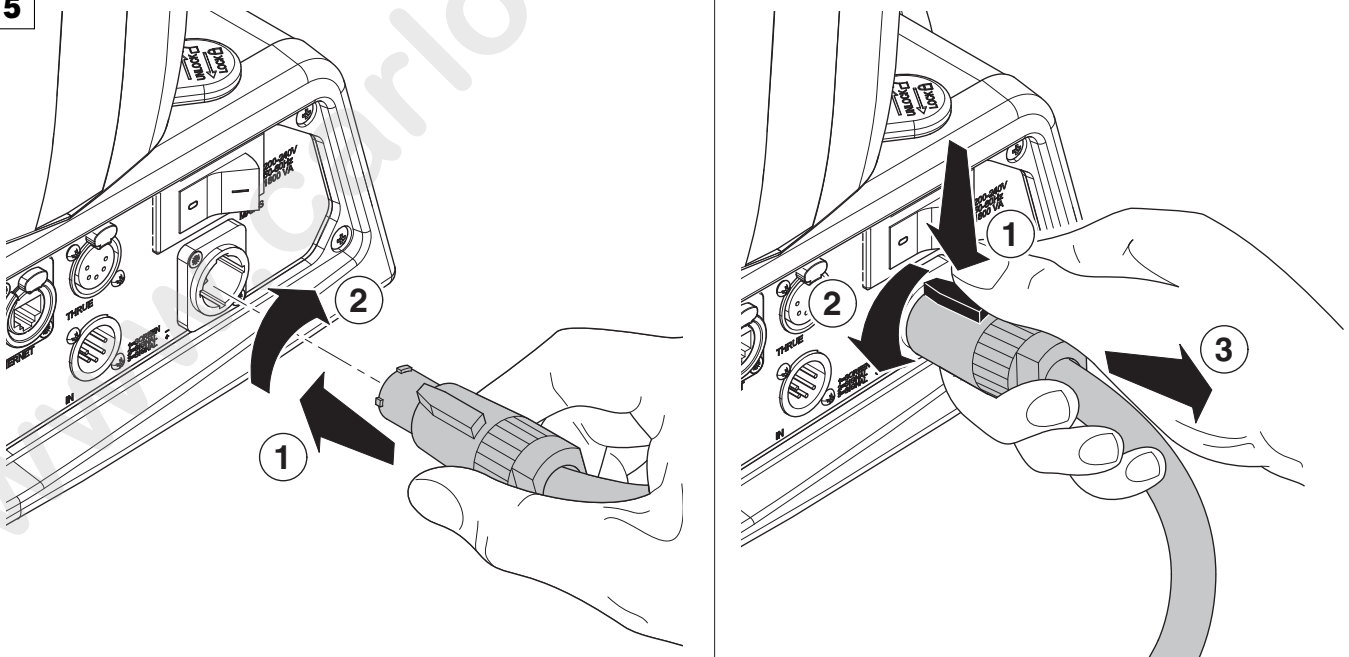


**Installing the projector - Fig. 4**

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

**WARNING:** with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

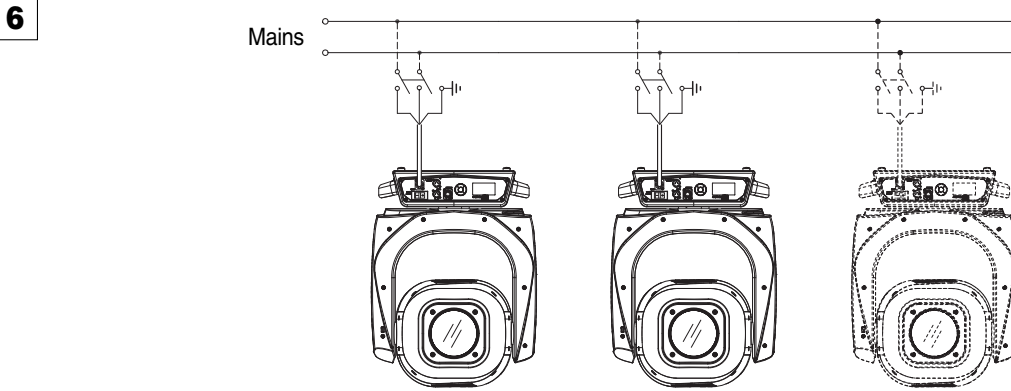
5



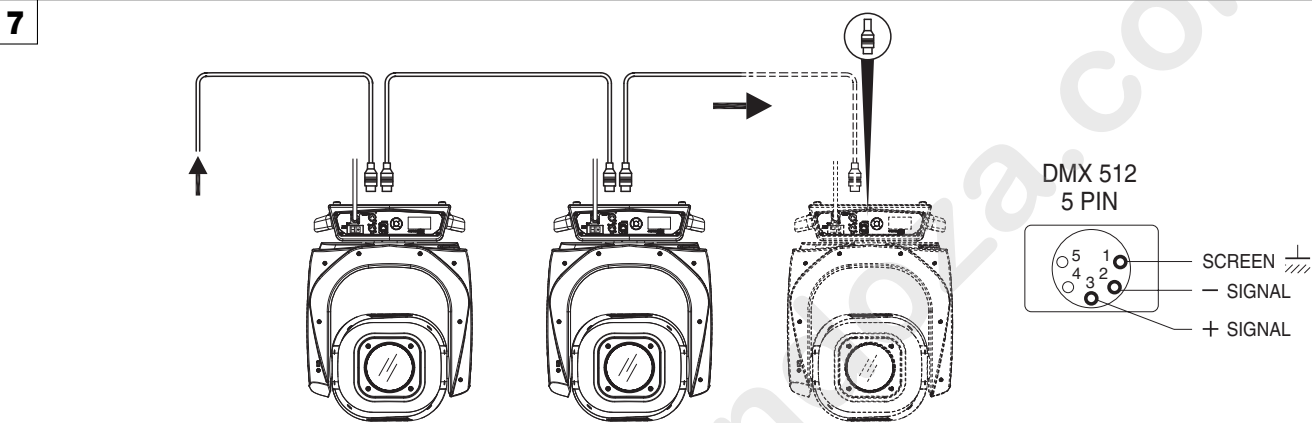
**Connecting and disconnecting power cable - Fig. 5**



## CONTROL PANEL



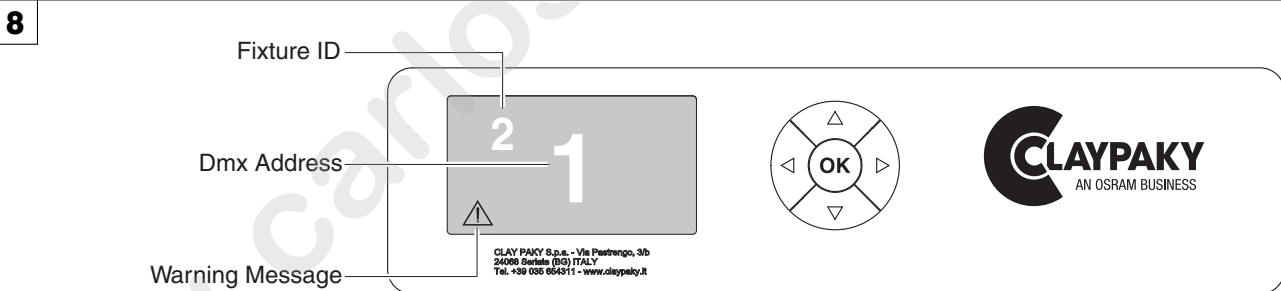
Connecting to the mains supply - Fig. 6



Connecting to the control signal line (DMX) - Fig. 7


Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (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 itself must be connected to the shield braid and to pin 1 of the connectors.




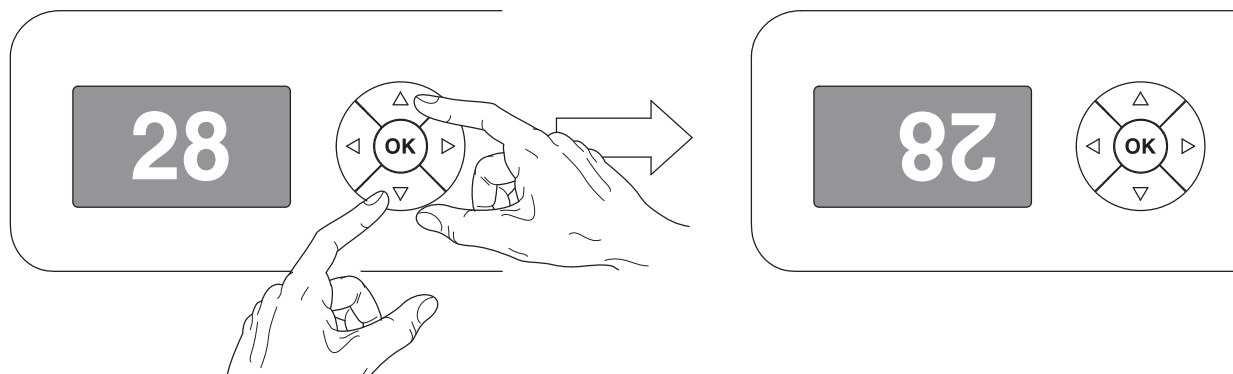
Switching on the projector - Fig. 8

Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

	<b>Model</b> SCENIUS	<b>Firmware</b> Version X.X.X Date - Hour	<b>xxx (Fixture ID)</b> Dmx Address xxx	<b>System errors</b> E: ..... W: .....
---	-------------------------	---	--	--

On conclusion of resetting in case of absence of the dmx signal, Pan and Tilt move to the "Home" position (Pan 128 bit - Tilt 128 bit). The control panel (Fig. 8) has a display and buttons for the complete programming and management of the projector menu. The display can be in one of two conditions: rest status and setting status. When it is in the rest status, the display shows the projector's DMX address and the Fixture ID address (if set).

During menu setting status, after a wait time (about 30 seconds) without any key having been pressed, the display automatically returns to rest status. It should be noted that when this condition occurs, any possible value that has been modified but not yet confirmed with the  key will be cancelled.



#### Reversal of the display - Fig. 9

To activate this function, press UP ▲ and DOWN ▼ keys simultaneously while the display is in the rest mode. This status will be memorised and maintained even for the next time it will be switched on. To return to the initial state, repeat the operation all over again.

#### Setting the projector starting address

On each projector, the starting address must be set for the control signal (addresses from 1 to 512).

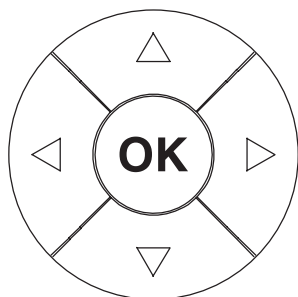
The address can also be set with the projector switched off.

#### Setting the projector Fixture ID

On each projector, the Fixture ID address must be set for an easy identification of the fixtures in an installation (ID from 1 to 255).

The Fixture ID address can be set with the projector switched off.

### Functions of the buttons - Using the menu



Confirms the displayed value, or activates the displayed function, or enters the successive menu.



DOWN

Decreases the value displayed (with auto-repetitions) or passes to the next item in the menu.



UP

Increases the value displayed (with auto-repetitions) or passes to the previous item in a menu.



LEFT

Return to the top level



RIGHT

Commute from units, tens, hundreds, in the "Address", "Fixture ID" and "Calibration" menu.

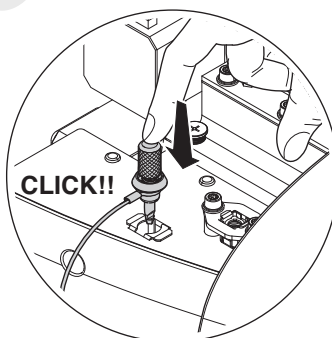
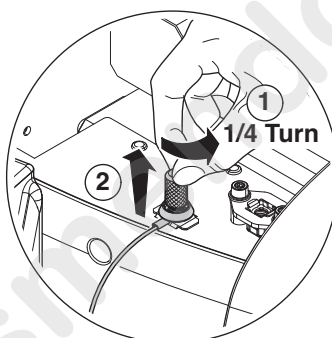
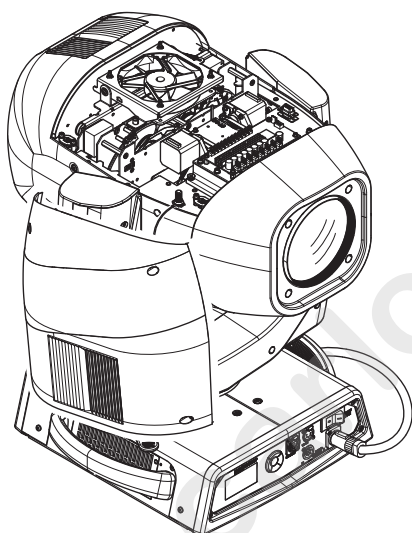
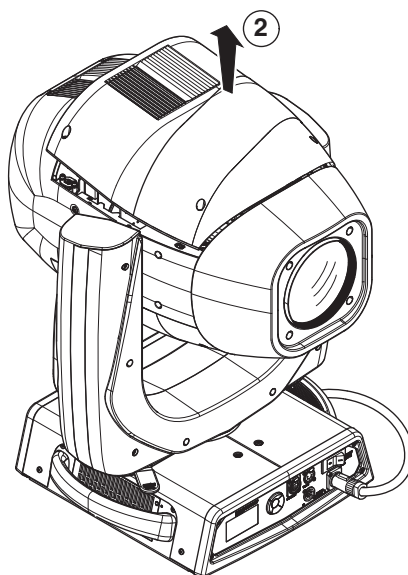
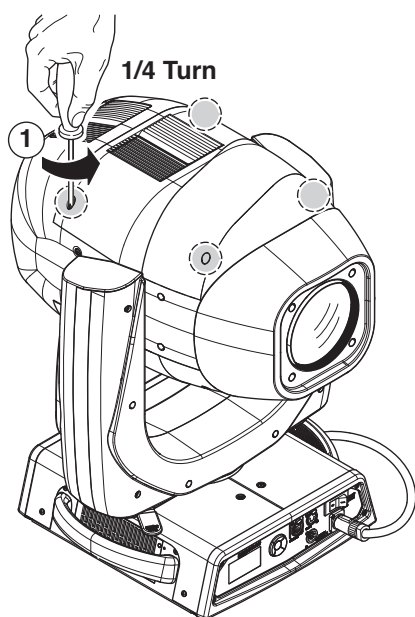
#### USING THE MENU:

- 1) Press **OK** once – "Main Menu" appears on the display.
- 2) Use the UP ▲ and DOWN ▼ keys to select the menu to be used:
  - Setup (Setup Menu): To set the setting options.
  - Option (Option Menu): To set the operating options
  - Informations (Information Menu): To read the counters, software version and other information.
  - Manual Control (Manual control Menu): To trigger the test and manual control functions.
  - Test (Test Menu): To check the proper functioning of effects
  - Advanced (Advanced Menu): Access to the "Advanced menu" is recommended for a trained technical personnel.
- 3) Press **OK** to display the first item in the selected menu.
- 4) Use the UP ▲ and DOWN ▼ keys to select the MENU items.

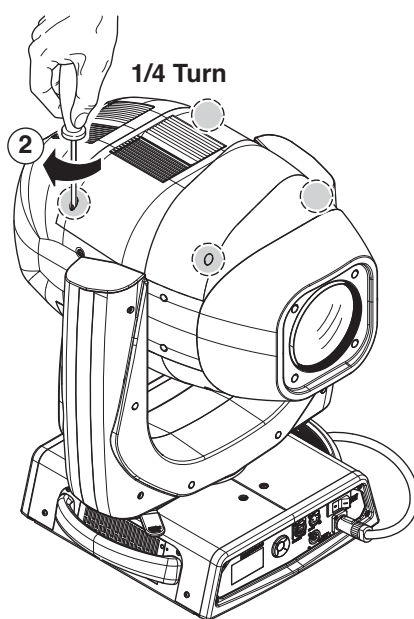
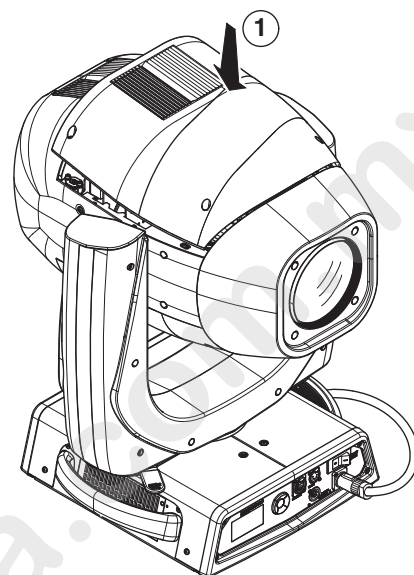
#### Setting addresses and options with the projector disconnected

The projector's DMX address, as well as other possible operating options, can also be set when the appliance is disconnected from the electricity supply. All that is needed is to press **OK** to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

10



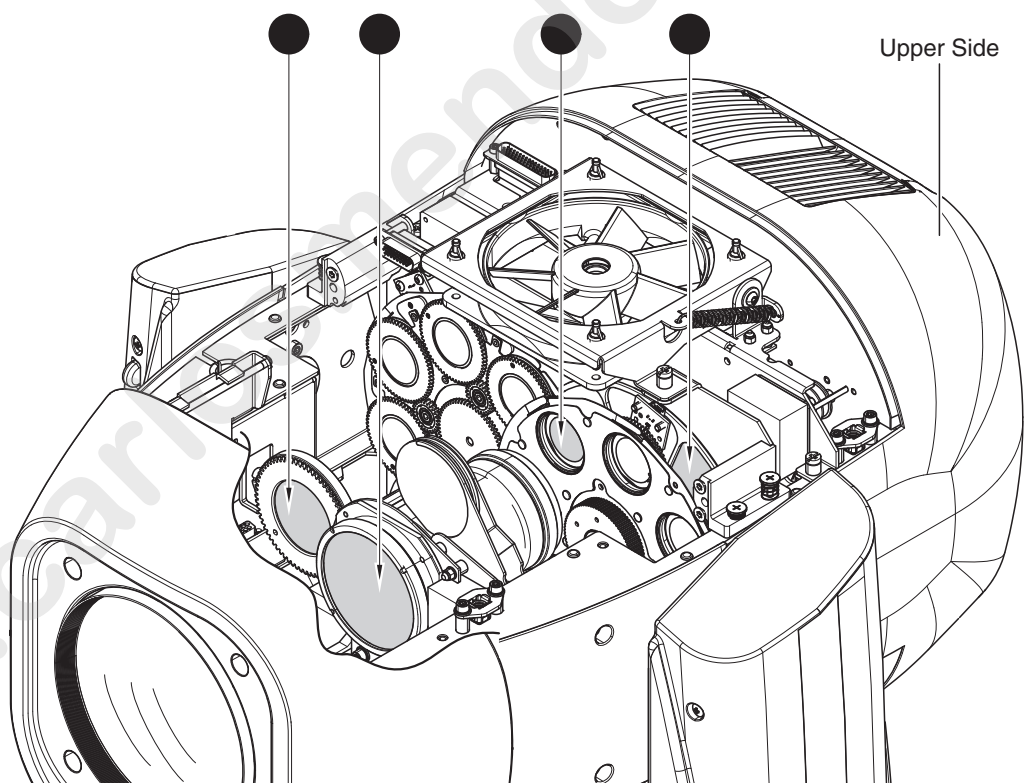
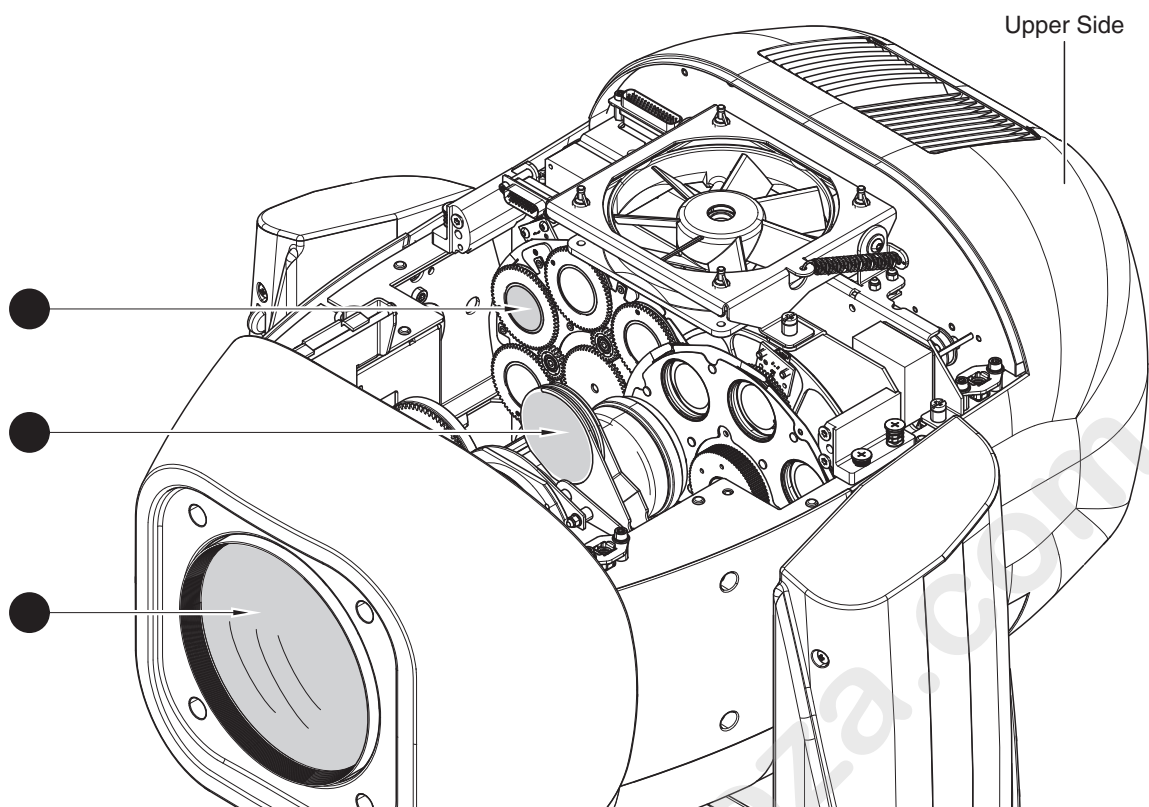
11



**Locking and releasing Pan and Tilt movements** - Refer to the instructions in the UNPACKING AND PREPARATION section.

**Opening the head covers** - Fig. 10.

**Closing the head covers** - Fig. 11.



### Periodical cleaning - Fig. 12

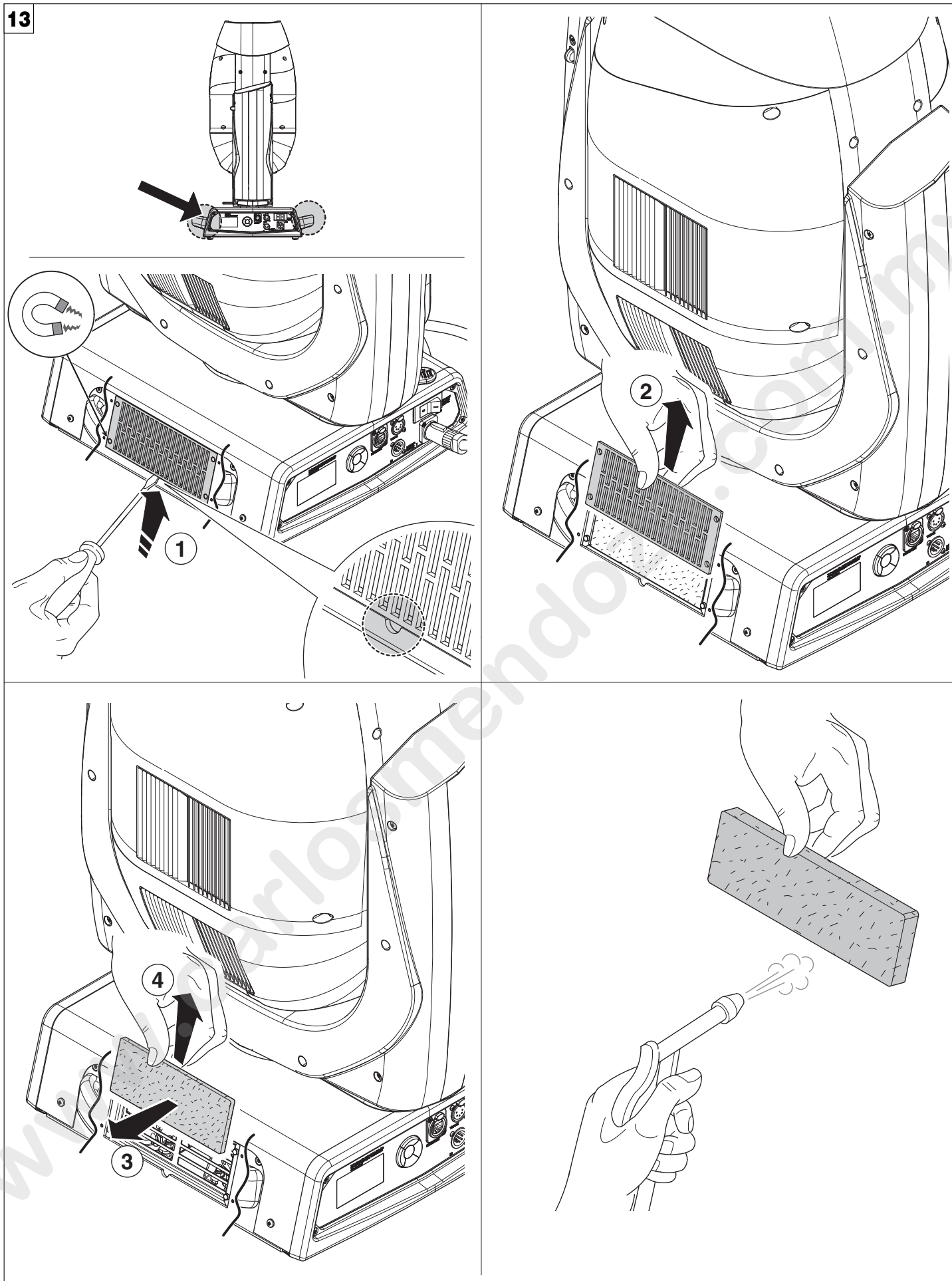
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the working environment (air humidity, presence of dust, salinity, etc.).

Use a soft cloth dampened with any detergent liquid for cleaning glass to remove the dirt from the reflectors, from the lenses and filters. 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.
- Restoring lubrication of all parts subject to friction, using lubricants specifically supplied by Claypaky.
- General visual check of the internal components, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.

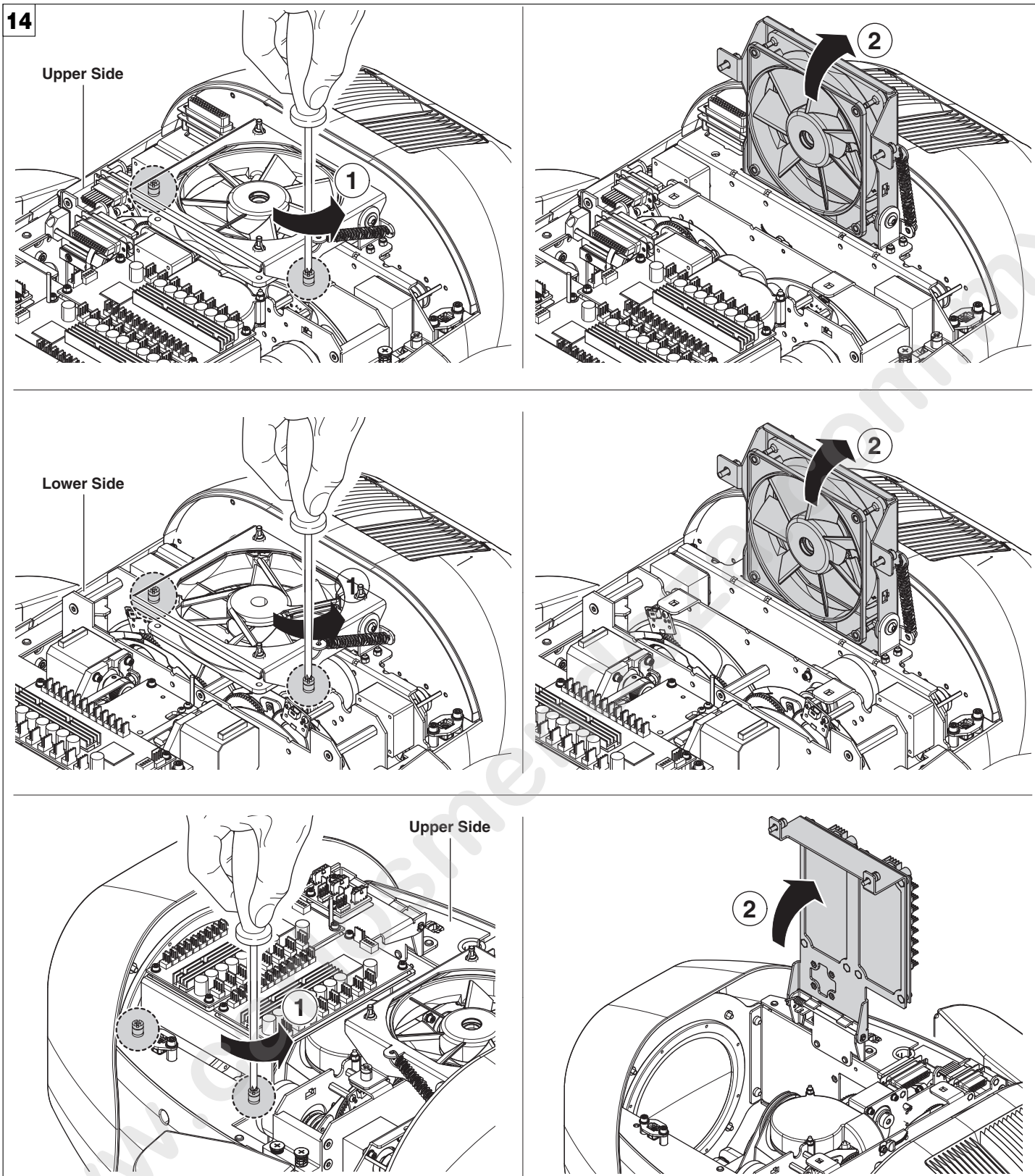
**NOTE: keep a careful cleaning of the "CMY/colour filters assembly" to prevent rapid deterioration.**



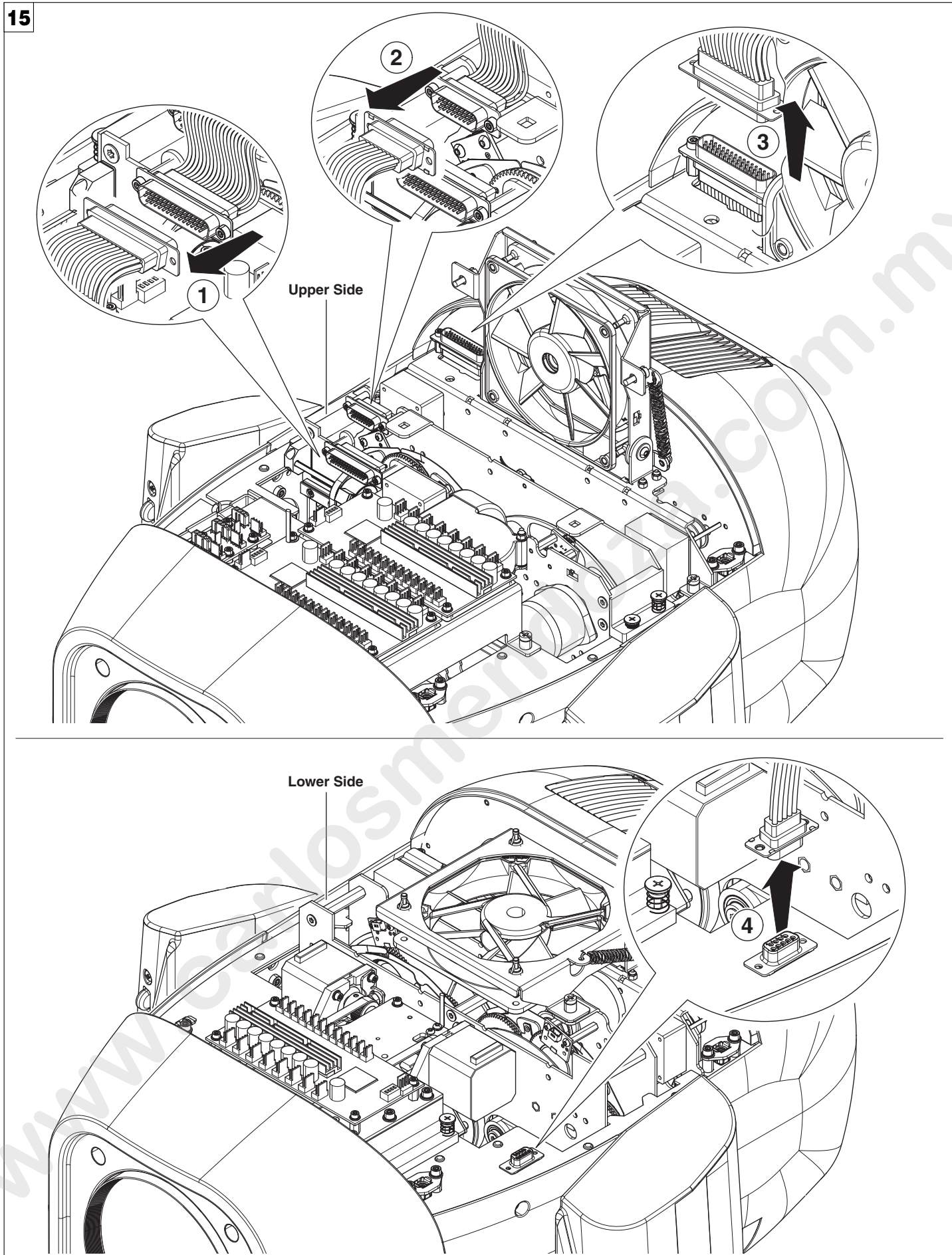


Cleaning of the filters - Fig. 13.

14

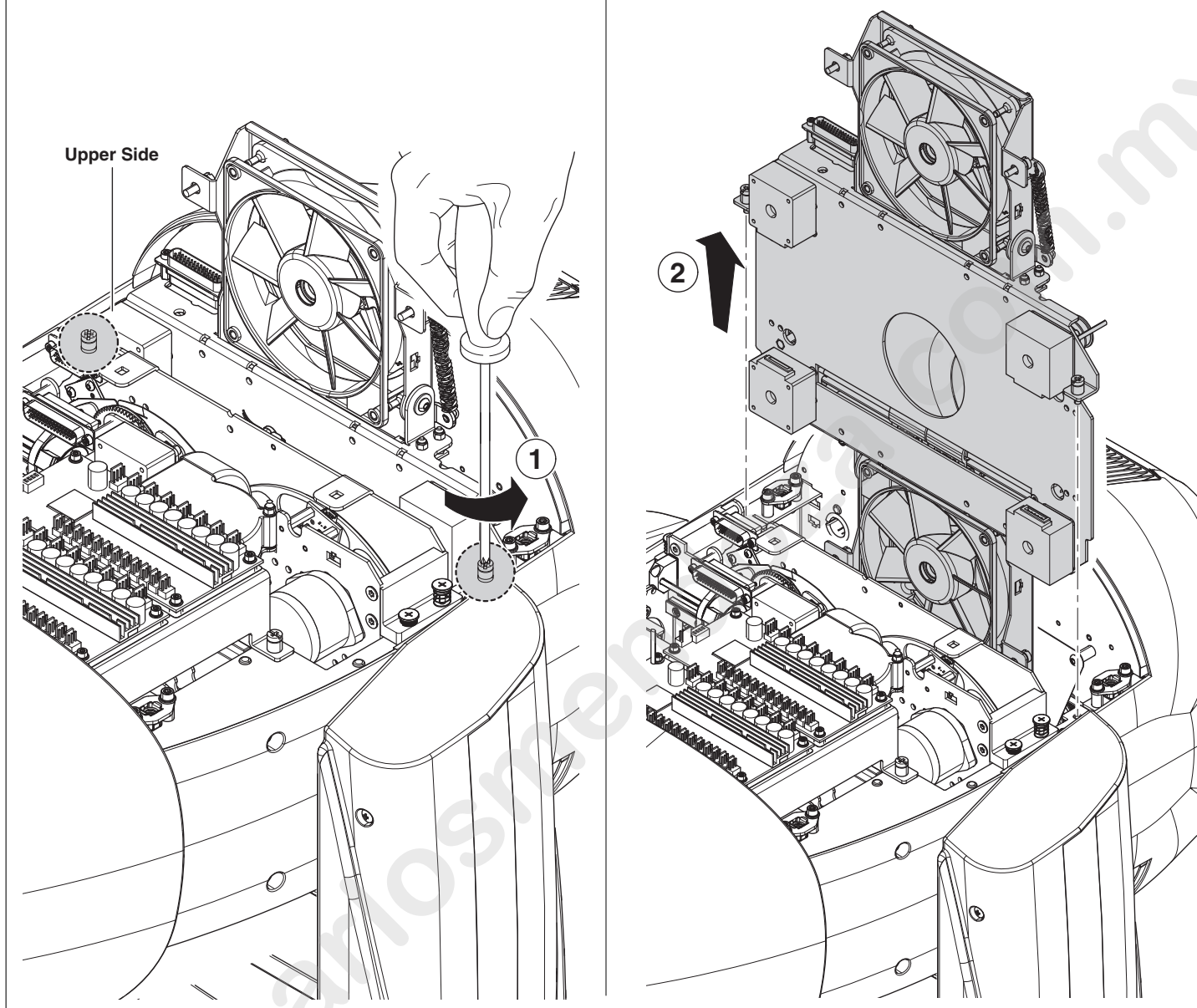


Extraction of the effect modules: Preliminary operations - Fig. 14.



Extraction of the effect modules: Preliminary operations - Fig. 15.



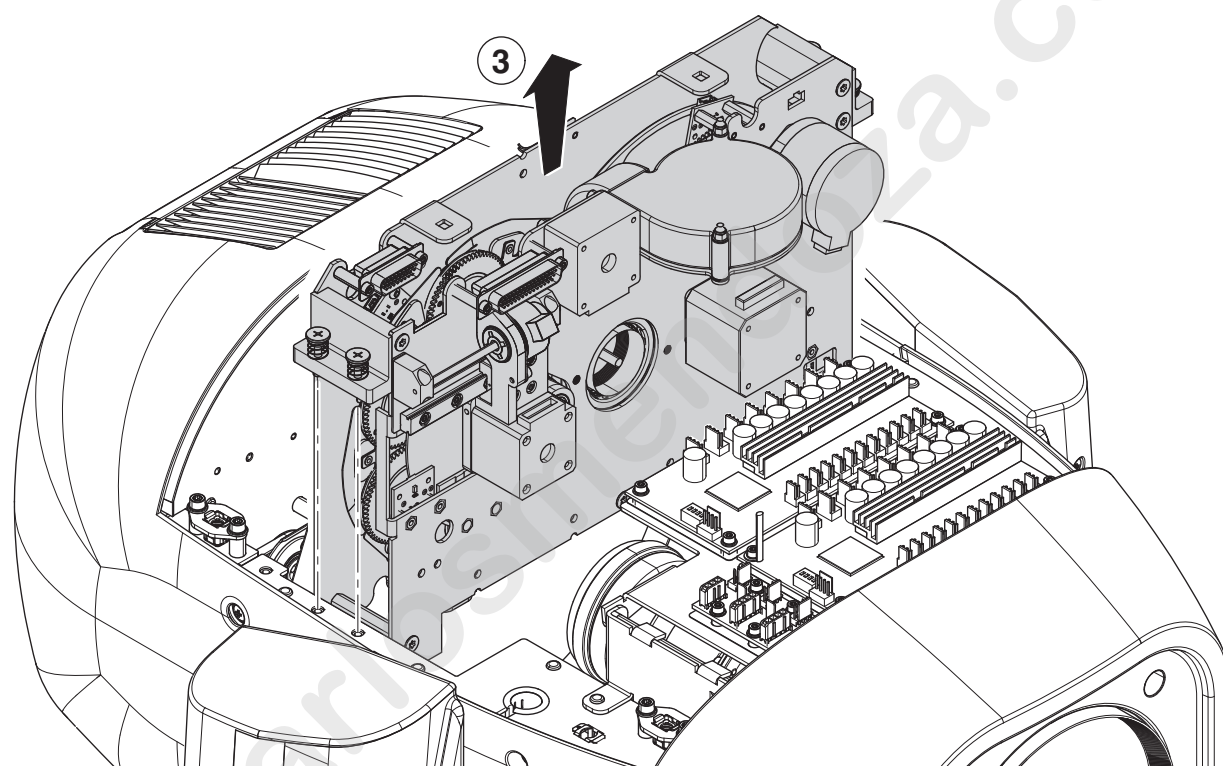
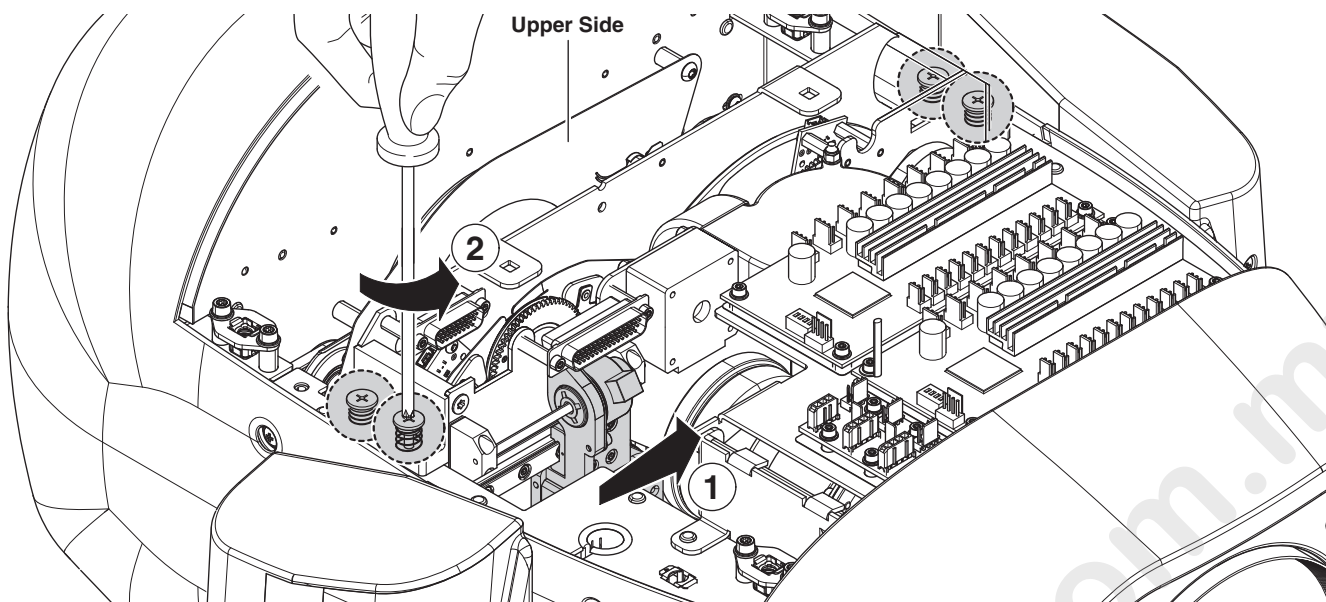


Extraction of the effect modules - Fig. 16.

**IMPORTANT:** Grasp the modules using the support structure and not the details which could get damaged.

**Insertion of the effect modules:** Repeat the operations indicated in Fig. 14, 15, 16, 17 and 18 in reverse order.

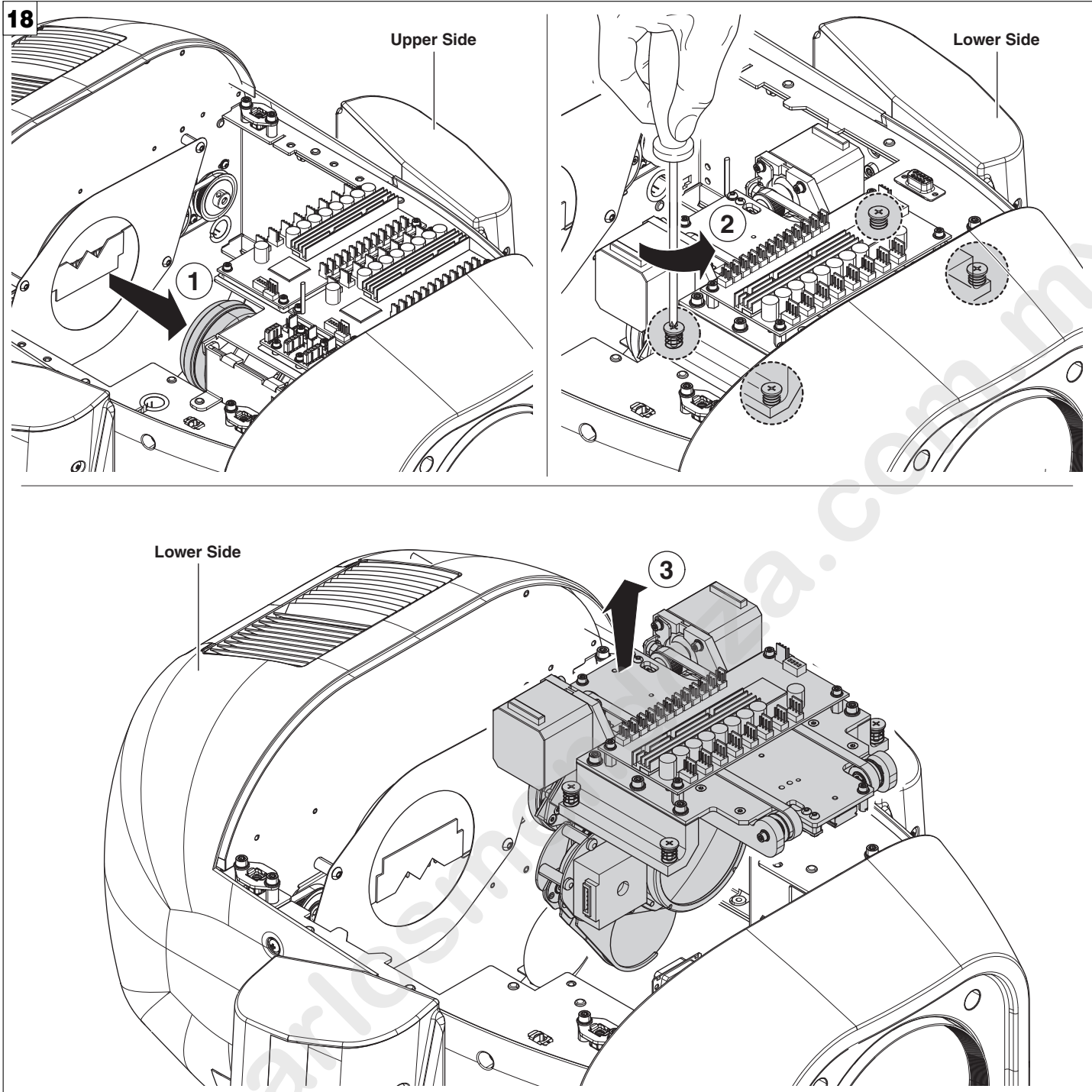




Extraction of the effect modules - Fig. 17.

**IMPORTANT:** Grasp the modules using the support structure and not the details which could get damaged.

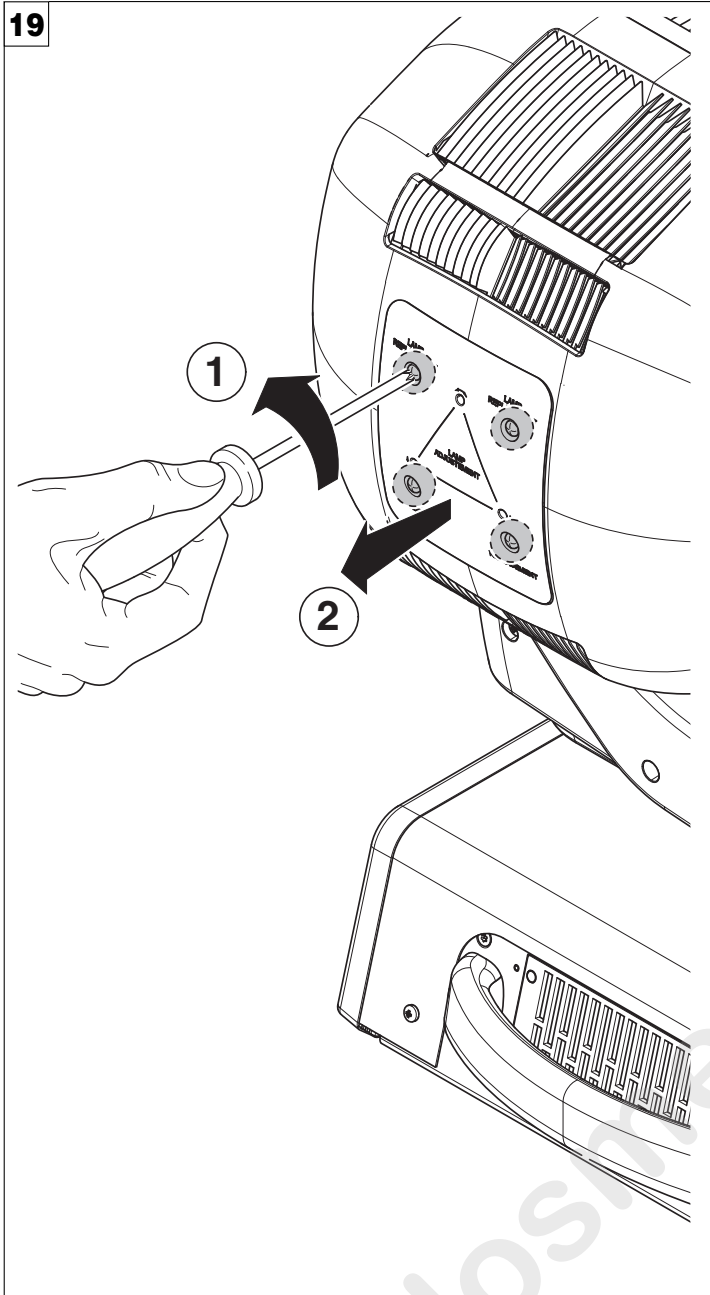
**Insertion of the effect modules:** Repeat the operations indicated in Fig. 14, 15, 16, 17 and 18 in reverse order.



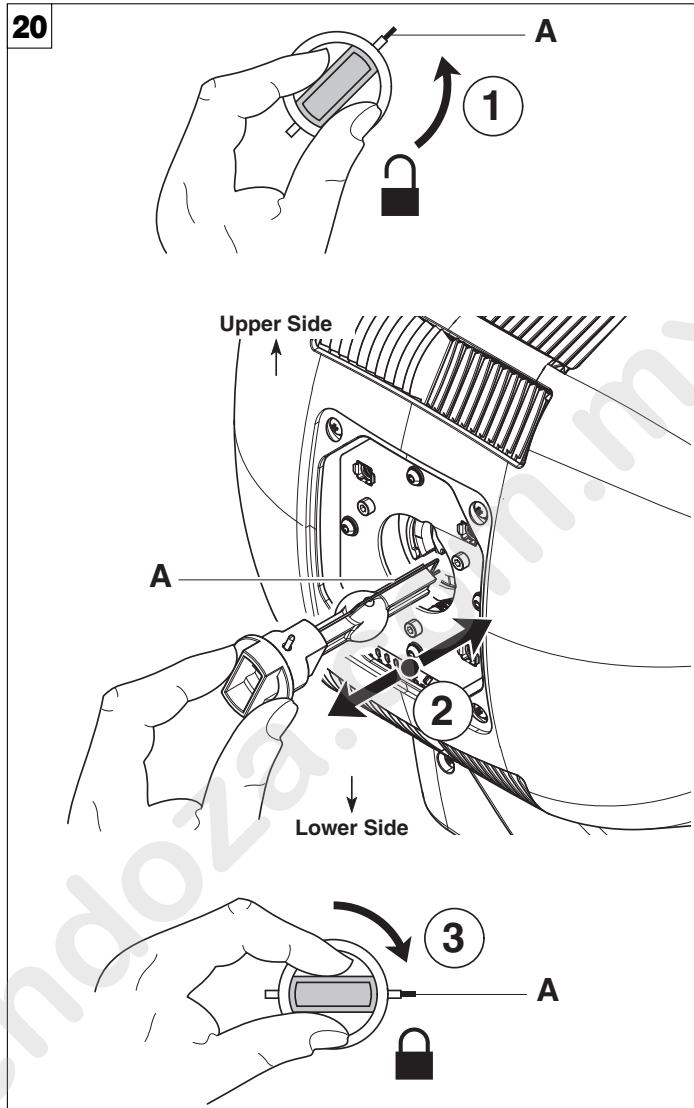
**Extraction of the effect modules - Fig. 18.**

**IMPORTANT:** Grasp the modules using the support structure and not the details which could get damaged.

**Insertion of the effect modules:** Repeat the operations indicated in Fig. 14, 15, 16, 17 and 18 in reverse order.



Opening and closing lamp compartment - Fig. 19



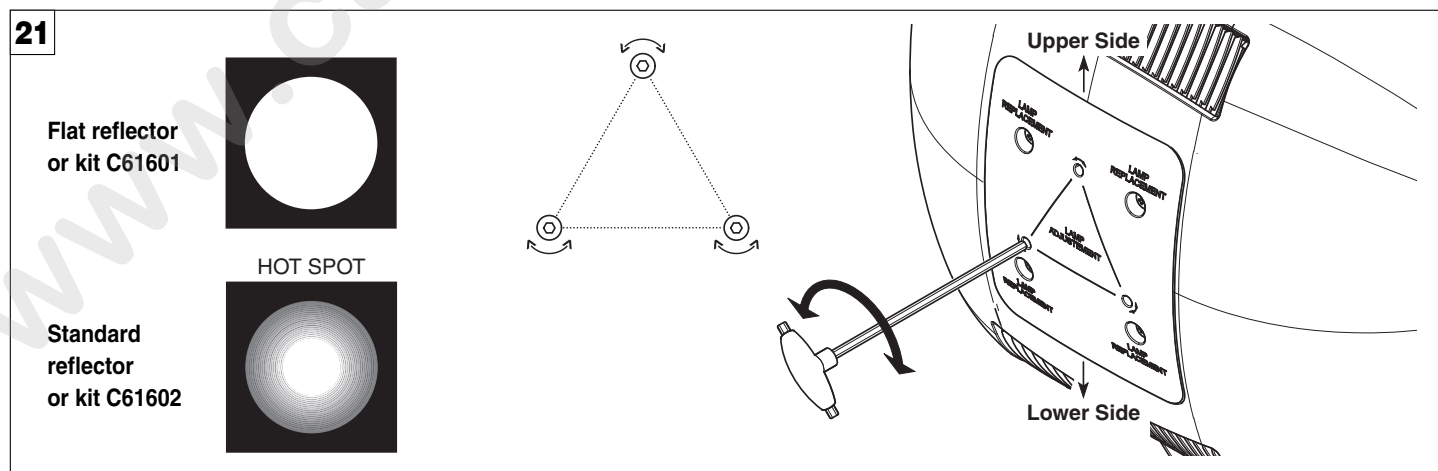
Lamp change - Fig 20

Take the new lamp out of its package and insert in the fitting.

**WARNING:** do not touch the lamp's envelope with bare hands. Should this happen, clean the bulb with a cloth soaked in alcohol and dry it with a clean, dry cloth.

**CAUTION:** Fast lamp ON-OFF cycles (for example 10 minutes ON / 10 minutes OFF) will reduce the lamp life.

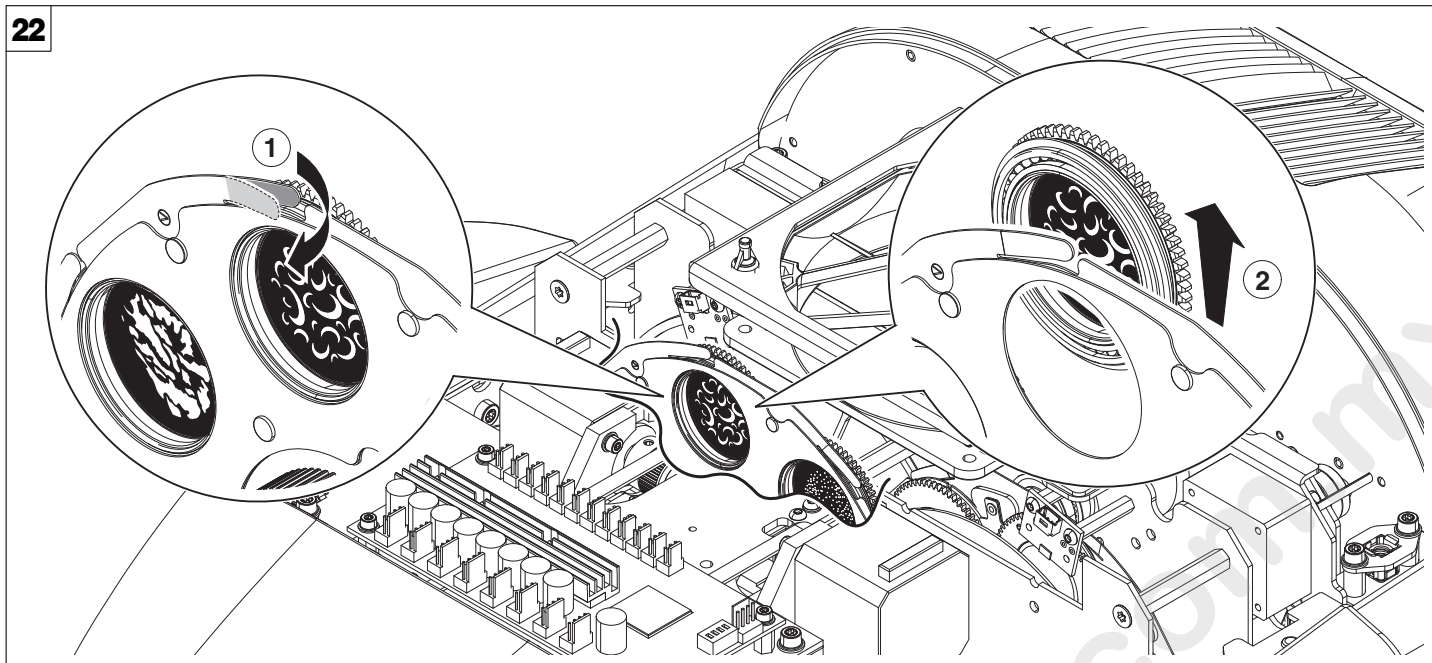
ATT200/001 is the part number of a CP tool, that could help you to take off the lamp from the fixture.



Lamp regulation - Fig. 21

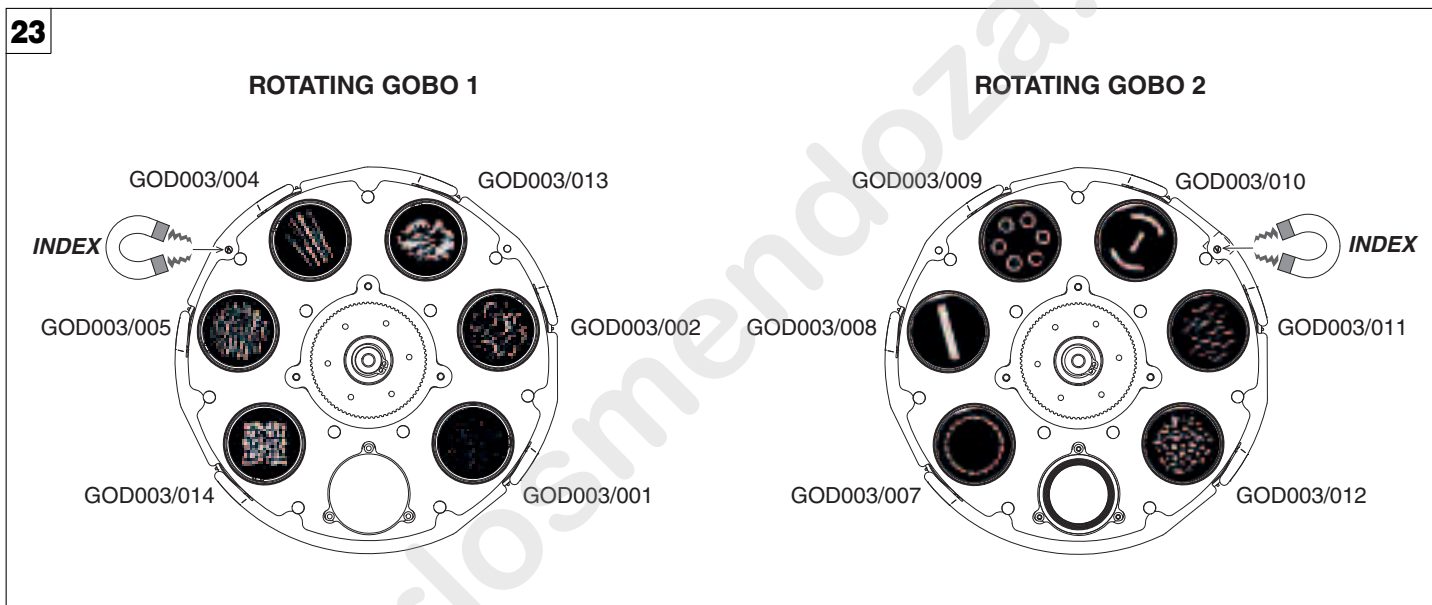
To centre the lamp, turn the three adjusting screws as shown in the figure.

22



Bearing group replacement - Fig. 22

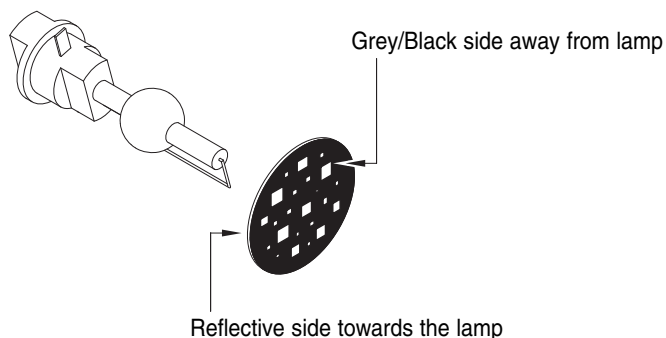
23

Replacing rotating gobos ( $\varnothing$  32.8 mm - max 26 mm image – thickness 1.1 mm) - Fig. 23

- Before use custom gobos contact Claypaky;
- The original gobos have a special coating designed specifically to resist to the high temperatures;
- The rotating gobo wheel only use dichroic glass gobos (it is not possible to use metal gobos);
- In case of multilayer gobo it is important to mount them on the gobo wheel 2 (the one farthest from the lamp).
- For more information contact Claypaky;

24

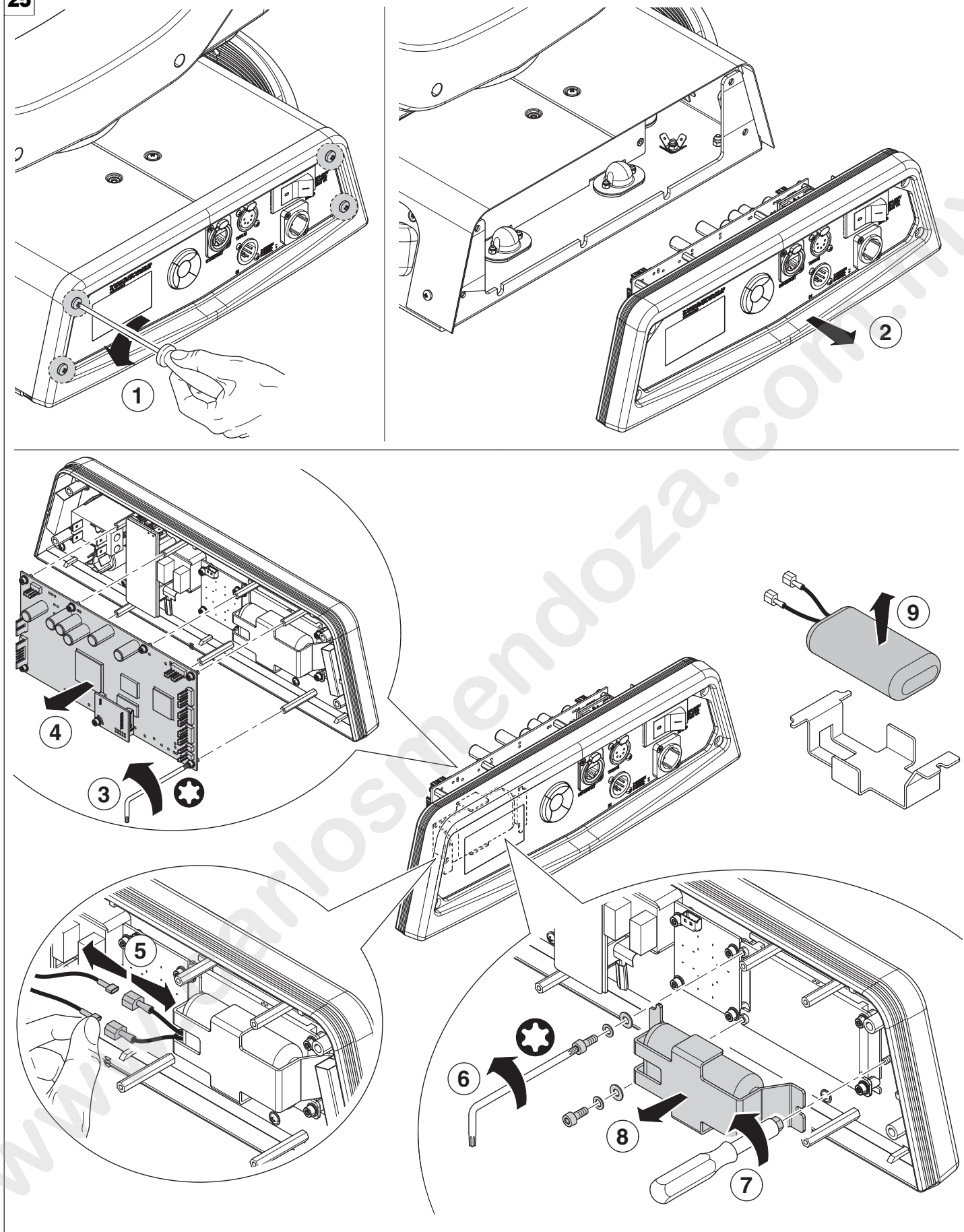
## COATED GLASS GOBOS



Gobo orientation - Fig. 24

The pictures shown the correct gobos orientation.



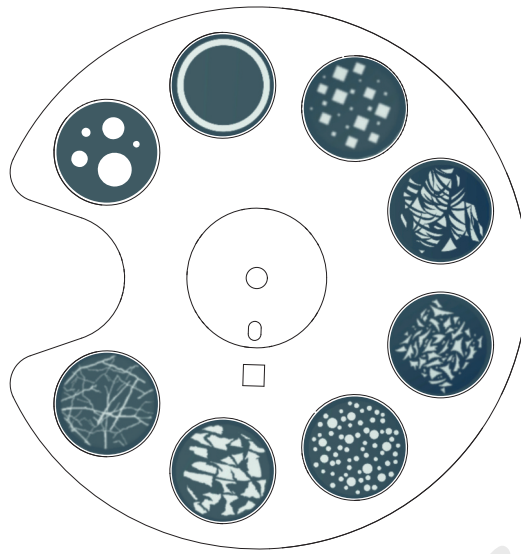


**Battery removal - Fig. 25**



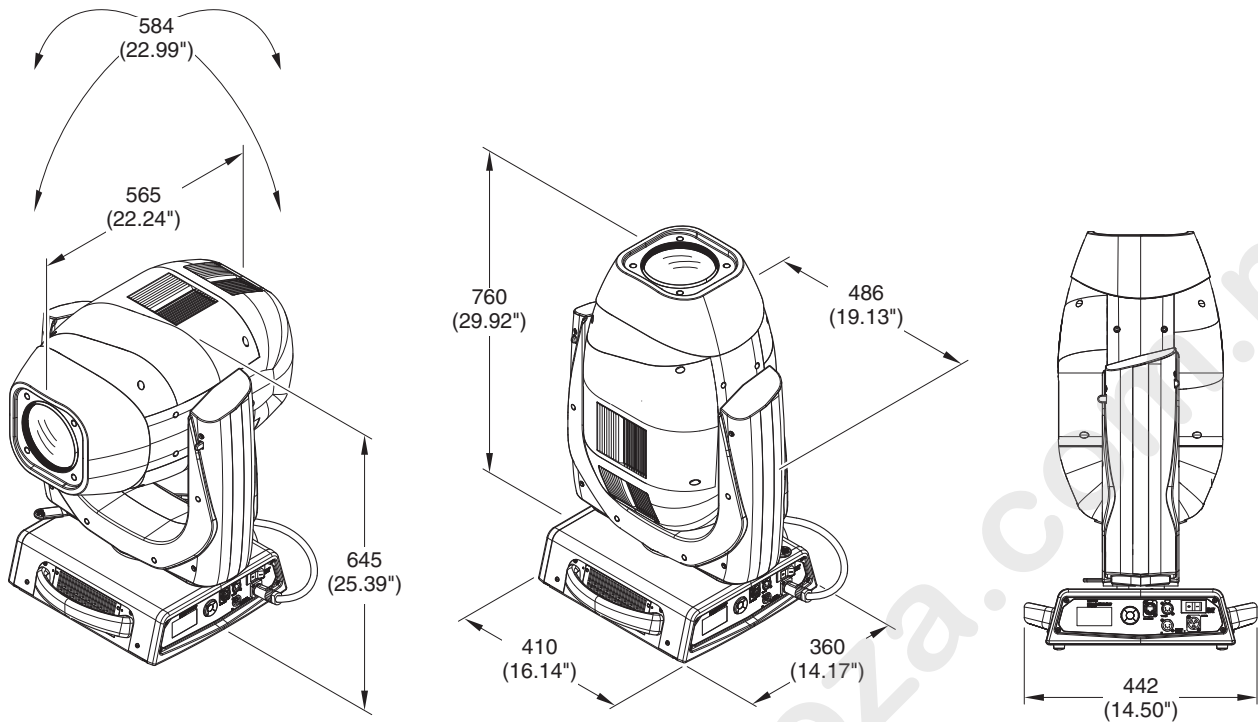
This product contains a rechargeable lithium iron tetraphosphate battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force.

26



**C61603 - Static Gobo Wheel**

The Static Gobo is an accessory that can be fitted inside the fixture instead of the Animation Disk, remember to set the correct Option on the User Menu.



## Power supplies

200/240V 50/60 Hz

## Input power

1800 VA @230VAC

## Total lumen output

- 26.500lm @ 1200W mode
- 30.000lm @ 1400W mode

## Fixture color temperature

Color Temperature: 6.500 (+- 500) K

## Light source

- Lamp OSRAM Lok-it 1400-PS
- Color Temperature: 6.000 K
- Life: 750 hrs
- Very high CRI
- Luminous flux: >= 118000 lm
- Base PGJX28 Lok-it!

## Motors

23 stepper motors, operating with microsteps, totally microprocessor controlled

## Channels

- 32 control channels in Standard Mode
- 36 control channels in Vector Mode

## Inputs

- DMX 512
- Art-Net

## Moving body

Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.

## PAN

- Angle Rotation: 540°
- Fast speed: 4.210" sec
- Normal Speed: 4.958" sec
- Resolution PAN: 2.10938°
- Resolution PAN FINE: 0.00824°
- Accuracy: Resolution  $\pm 0.2$  (Range 0.4°)

## TILT

- Angle Rotation: 268°
- Fast speed: 2.536" sec
- Normal Speed: 3.246" sec
- Resolution TILT: 1.04688°
- Resolution TILT FINE: 0.00409°
- Accuracy: Resolution  $\pm 0.2$  (Range 0.4°)

## Weight

38 Kg (83.6 lbs)

## IP rating

IP20:

- Protected against the entry of solid bodies larger than 12mm (0.47")
- No protection against the entry of liquids

## Safety devices

- Bipolar circuit breaker with thermal protection
- Automatic break in power supply in case of overheating or failed operation of cooling system

## Cooling

Forced ventilation with fans and heat sink

## Body

- Aluminium structure with plastic cover
- Two side handles for transportation
- Device locking PAN and TILT mechanisms for transportation and maintenance.

## Working position

- Any Working Position
- Hanging system: with fast-lock omega clamps (1/4 turn) on the base

## Effects section

- Linear 0-100% Dimmer
- CMY System + Linear CTO
- Fast Stop/Strobe effect
- N°1 Colour Wheel with 7 color filter
- N° 2 Wheels with 6+6 rotating gobo (image  $\varnothing 26$  mm)

- N° 1 Graphics Wheel (Interchangeable with Static Gobo Wheel)
- N° 1 fast Iris (16 blades)
- N° 2 linear Frost (light and heavy)
- N° 1 Rotating Prism - 4 faces

(Diameter front lens  $\varnothing 142$  mm)

## Control and programming

- 32 or 36 DMX 512 control channels
- DMX protocol signal: USITT DMX 512
- Display: LCD 128 x 64 bit, backlit LED, white on black
- Pan and Tilt Resolution: 16 bit
- Focus Indexing Resolution: 16 bit
- Dimmer Resolution: 16 bit
- Rotation gobo Resolution: 16 bit
- Movement control: Vectorial
- DMX signal connection: 5 pole XLR input and output
- Software upload through DMX input / Ethernet Input

## Electronics

- Long life self-charging buffer battery
- Function reset from control unit
- ON/OFF lamp control from the lighting desk
- Function reset from the lighting desk
- "AUTOTEST" function from menu
- ARTNET
- Electronic monitoring with status error
- Cooling system monitoring
- DMX level monitoring on all channels
- Internal data transmission diagnostics
- Firmware Upgrade with no power
- Firmware upload from another fixture

## Noise level:

- 49.5 dBA – Standard Mode 1400W
- 47.0 dBA – Quiet Mode 1200W (Background Noise 35dBA)

## CAUSE AND SOLUTION OF PROBLEMS

THE PROJECTOR WILL NOT SWITCH ON					PROBLEMS
ELECTRONICS NON-OPERATIONAL					
DEFECTIVE PROJECTION					
REDUCED LUMINOSITY					
POSSIBLE CAUSES				CHECKS AND REMEDIES	
●			No mains supply.	Check the power supply voltage.	
●		●	Lamp exhausted or defective.	Replace the lamp. (See instructions).	
	●		Signal transmission cable faulty or disconnected.	Replace the cables.	
	●		Incorrect addressing.	Check addresses (see instructions).	
	●		Fault in the electronic circuits.	Call an authorised technician.	
	●		Lenses or reflector broken	Call an authorised technician.	
		● ●	Dust or grease deposited.	Clean (see instructions).	