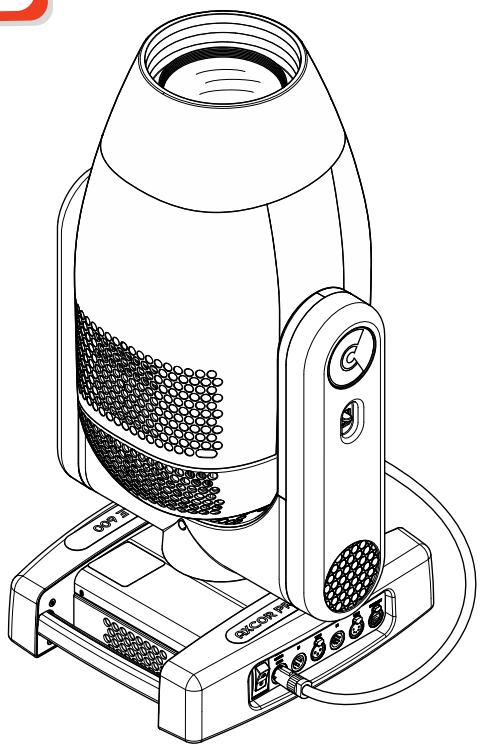
ENGLISH

CLAYPAKY AN OSRAM BUSINESS

# AXCOR PROFILE 600 TEATRO CL3016
# AXCOR PROFILE 600 HC TEATRO CL3017

## INSTRUCTION MANUAL

DRAFT



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*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.*

# 1. 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:
**www.claypaky.com**
Ref: FIS00W - Safety Information Axcor 600 series

**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:
**www.claypaky.com**
Rif: FIS00W - Safety Information Axcor 600 series

**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:
**www.claypaky.com**
Ref: FIS00W - Safety Information Axcor 600 series

**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:
**www.claypaky.com**
Ref: FIS00W - Safety Information Axcor 600 series

**FR**

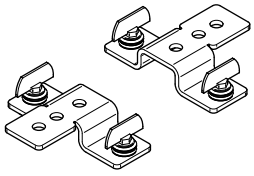
**CONSIGNES DE SÉCURITÉ**
IMPORTANT: Claypaky recommande de lire attentivement et de conserver les informations de sécurité relatives à ce produit, disponibles en version digitale au lien suivant:
**www.claypaky.com**
Réf. : FIS00W - Safety Information Axcor 600 series

**RU**

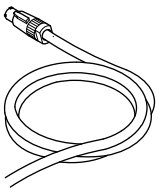
**ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ**
ВАЖНО: Claypaky рекомендует внимательно прочитать и сохранить инструкцию по технике безопасности данного изделия, которая всегда доступна в электронном формате по следующей ссылке:
**www.claypaky.com**
Наименование: FIS00W - Safety Information Axcor 600 series

## 2. UNPACKING AND PREPARATION

1

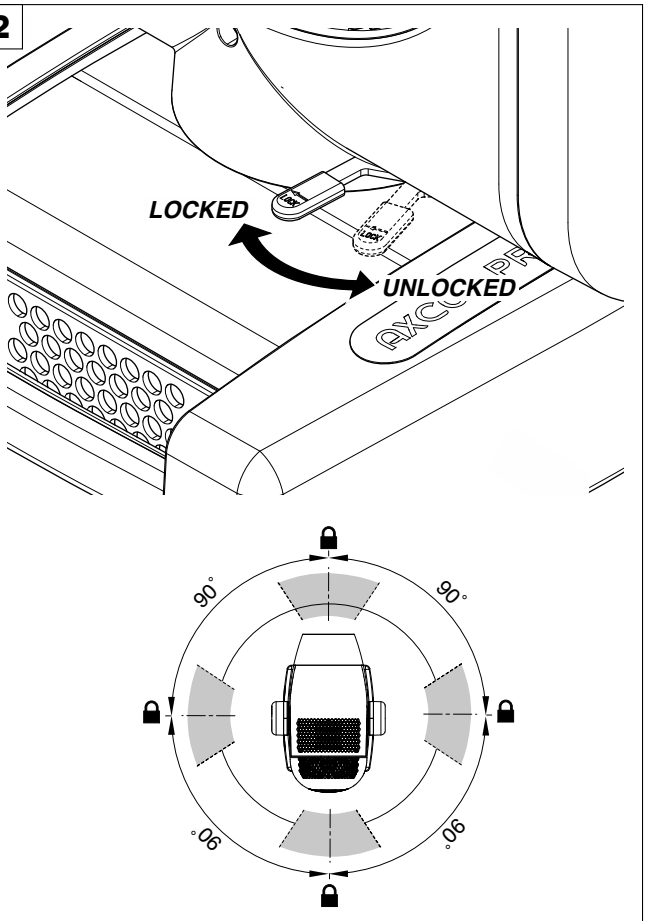



2 x 183102/805

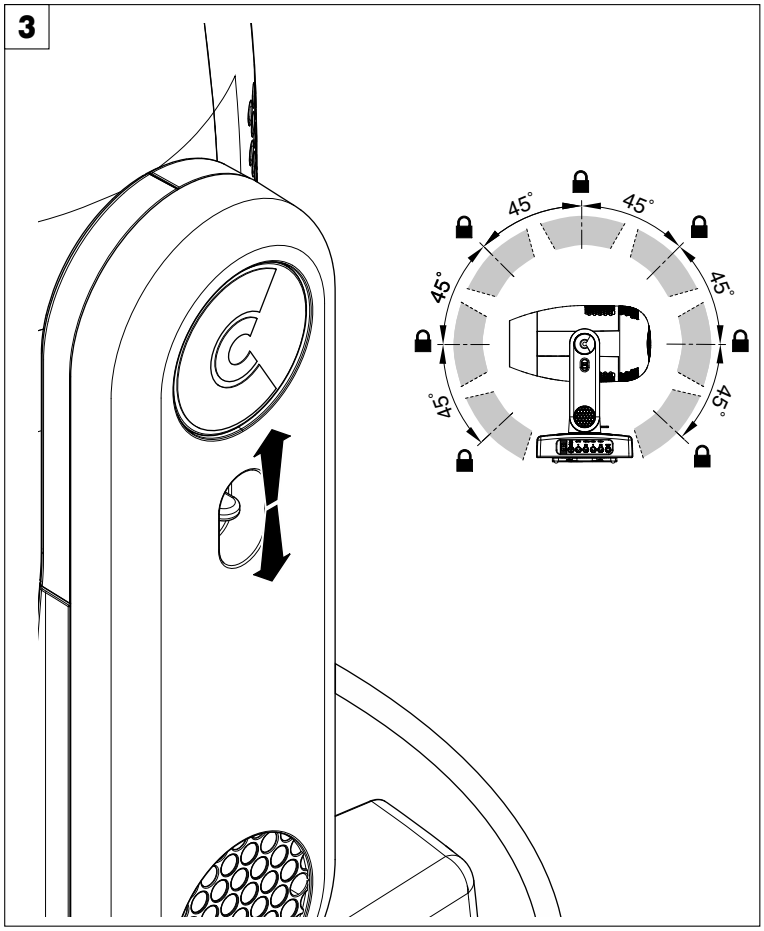


**Packing contents** - Fig. 1

2




3

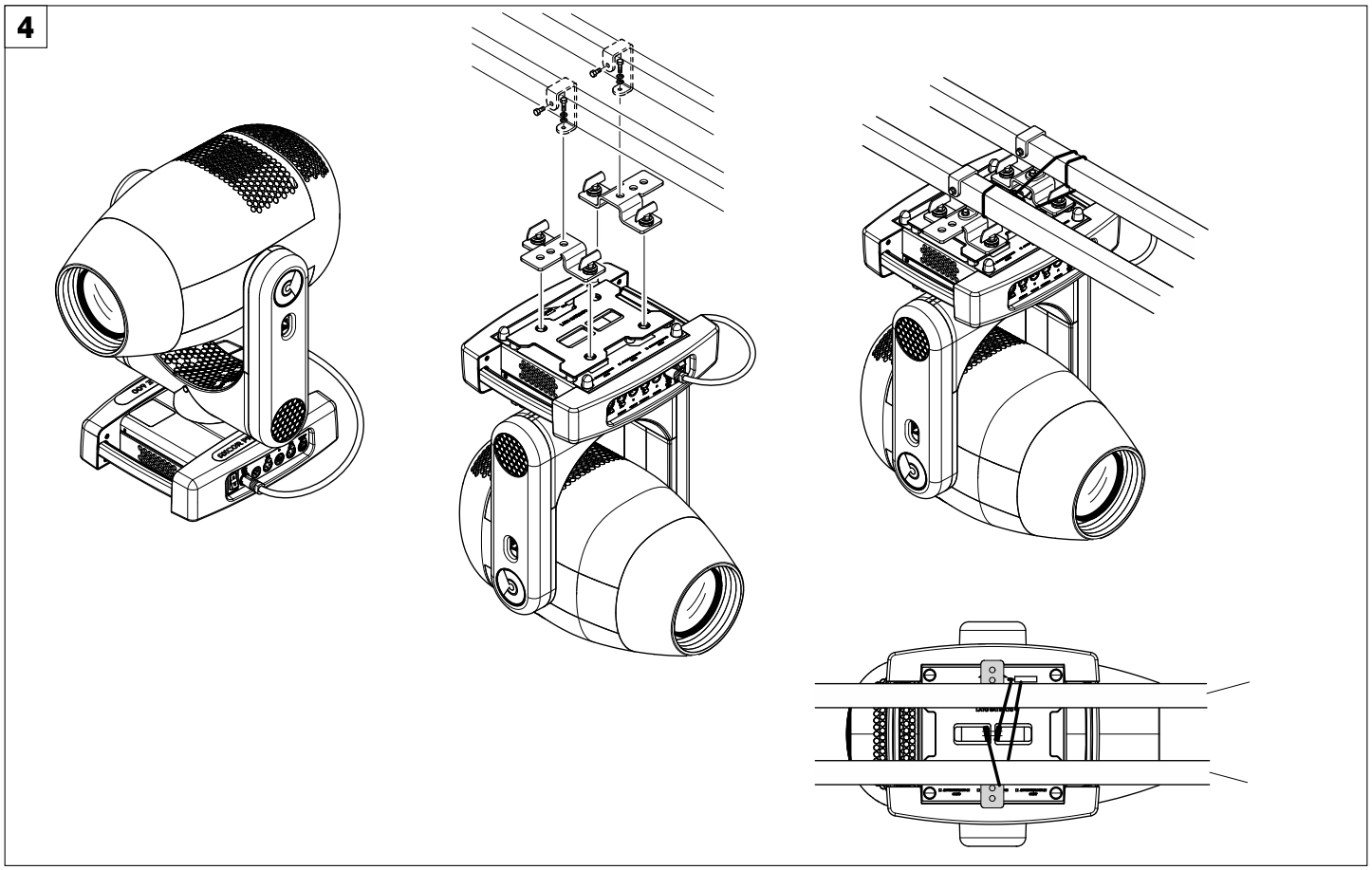



**PAN Mechanism Lock and Release (every 90°)** - Fig. 2

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

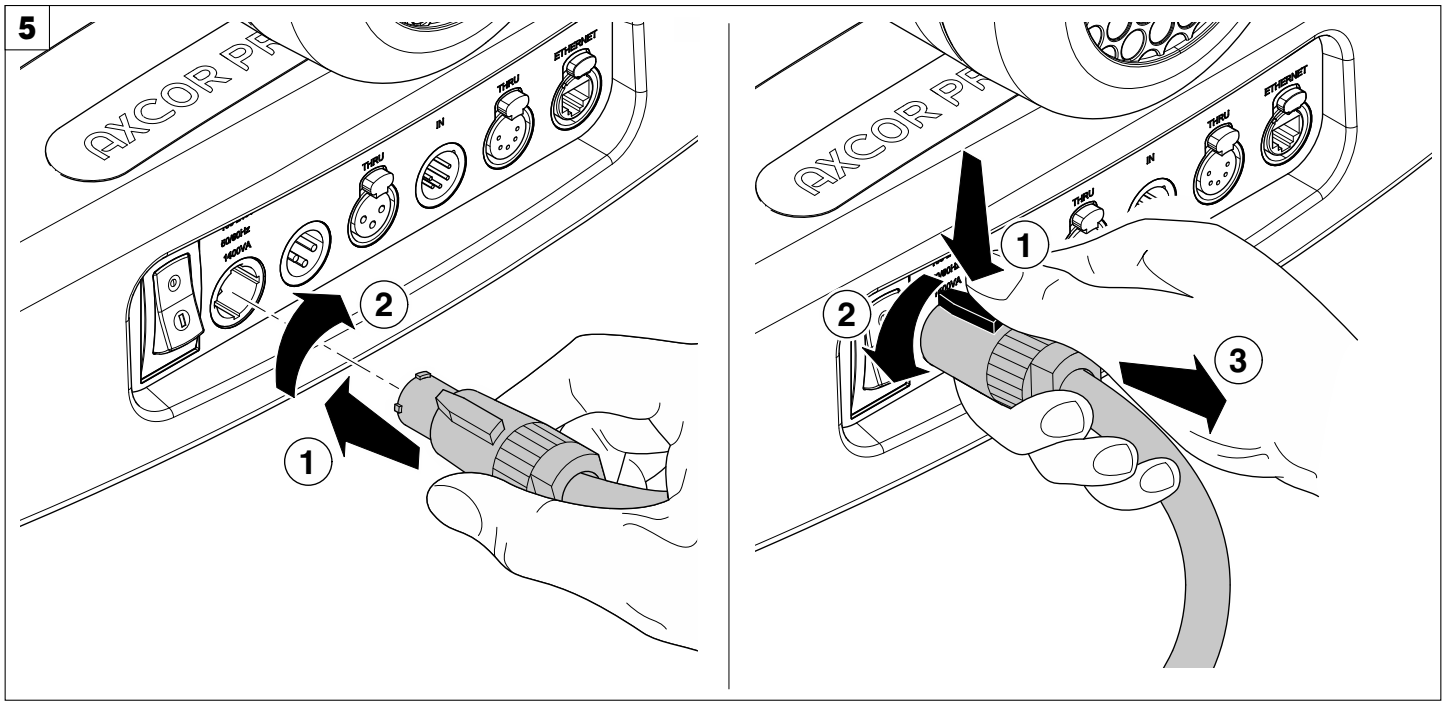
# 3. INSTALLATION AND START-UP

## 3.1 Installing the fixture



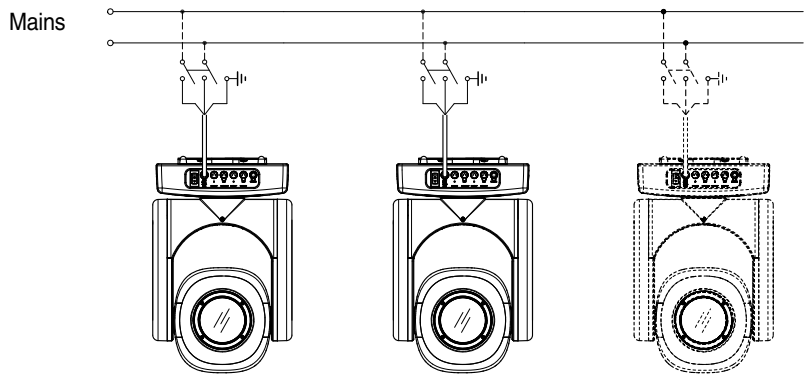

**Installing the projector** - Fig. 4
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.
**WARNING:** ***with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/001 available on request). 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.***

## 3.2 Connecting to manis supply




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

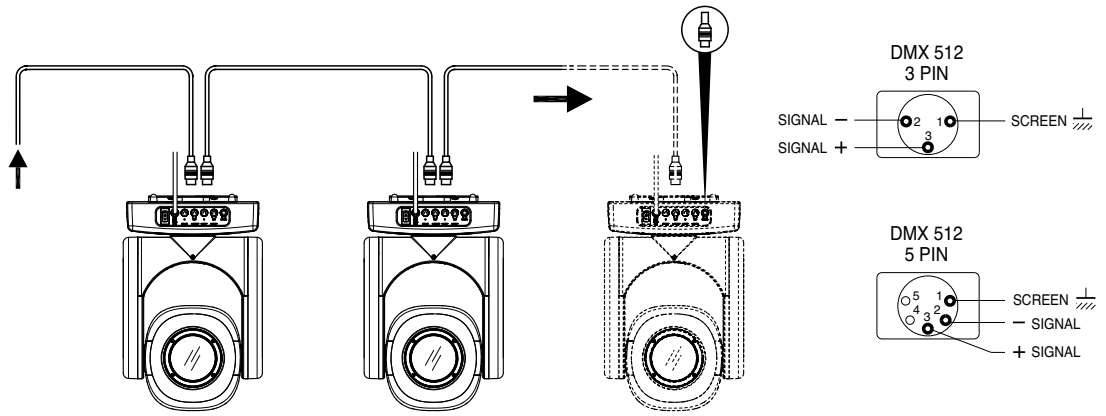
**6**




**Connecting to the mains supply** - Fig. 6

## 3.3 Connecting the control signal line: DMX / Art-Net

**7**



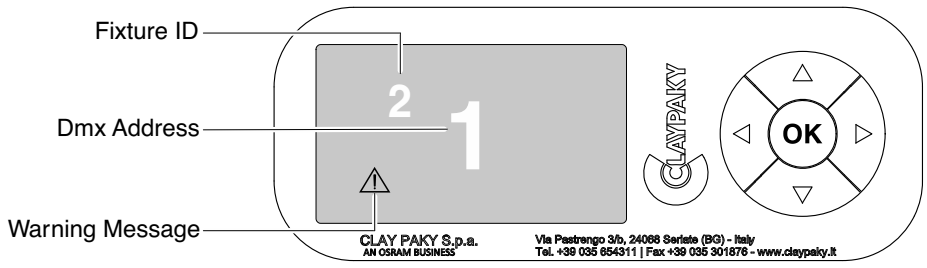

**Connecting to the control signal line (DMX)** - Fig. 7

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 3 or 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.

## 3.4 Switching on the fixture and basic SetUp

**8**




**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:

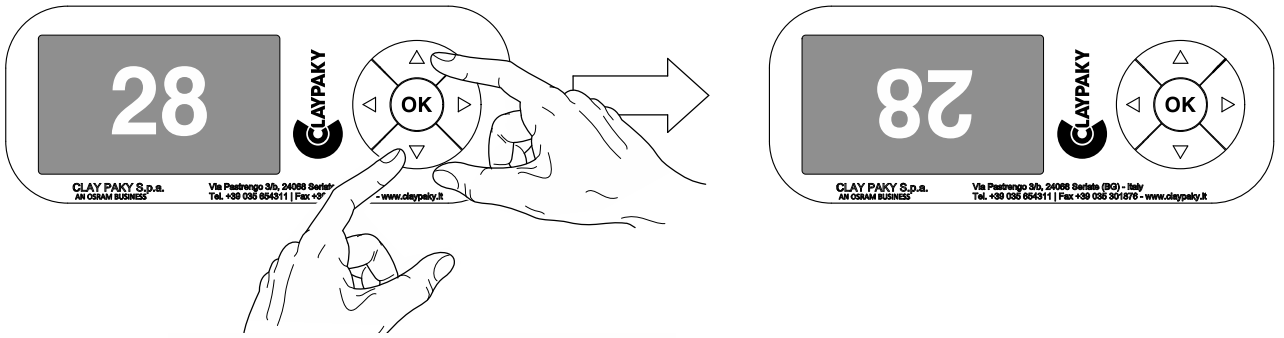
| | | | | |
|---|---|---|---|---|
| CLAYPAKY AN OSRAM BUSINESS | **Model**<br>**Axcor**<br>**600** | **Firmware**<br>**Version X.X.X**<br>**Date - Hour** | **xxx (Fixture ID)**<br>**Dmx Address xxx** | **System errors**<br>**E: .....**<br>**W: ..... ** |

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 than when this condition occurs, any possible value that has been modified but not yet confirmed with the OK key will be cancelled.

*Continue* →

**9**




**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).

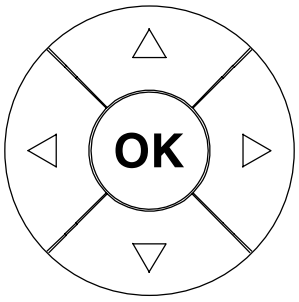
The address can also be set with the projector switched off.

**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




| | |
|---|---|
| OK | 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" menù. |

**USING THE MENU:**

1) Press ⓞⓚ 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 (Informations 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 functionning of effects
   - Advanced (Advanced Menu): Access to the "Advanced menu" is recommended for a trained technical personnel.
3) Press ⓞⓚ to display the first item in the selected menu.
4) Use the UP ⓐ and DOWN ⓓ keys to select the MENU items.

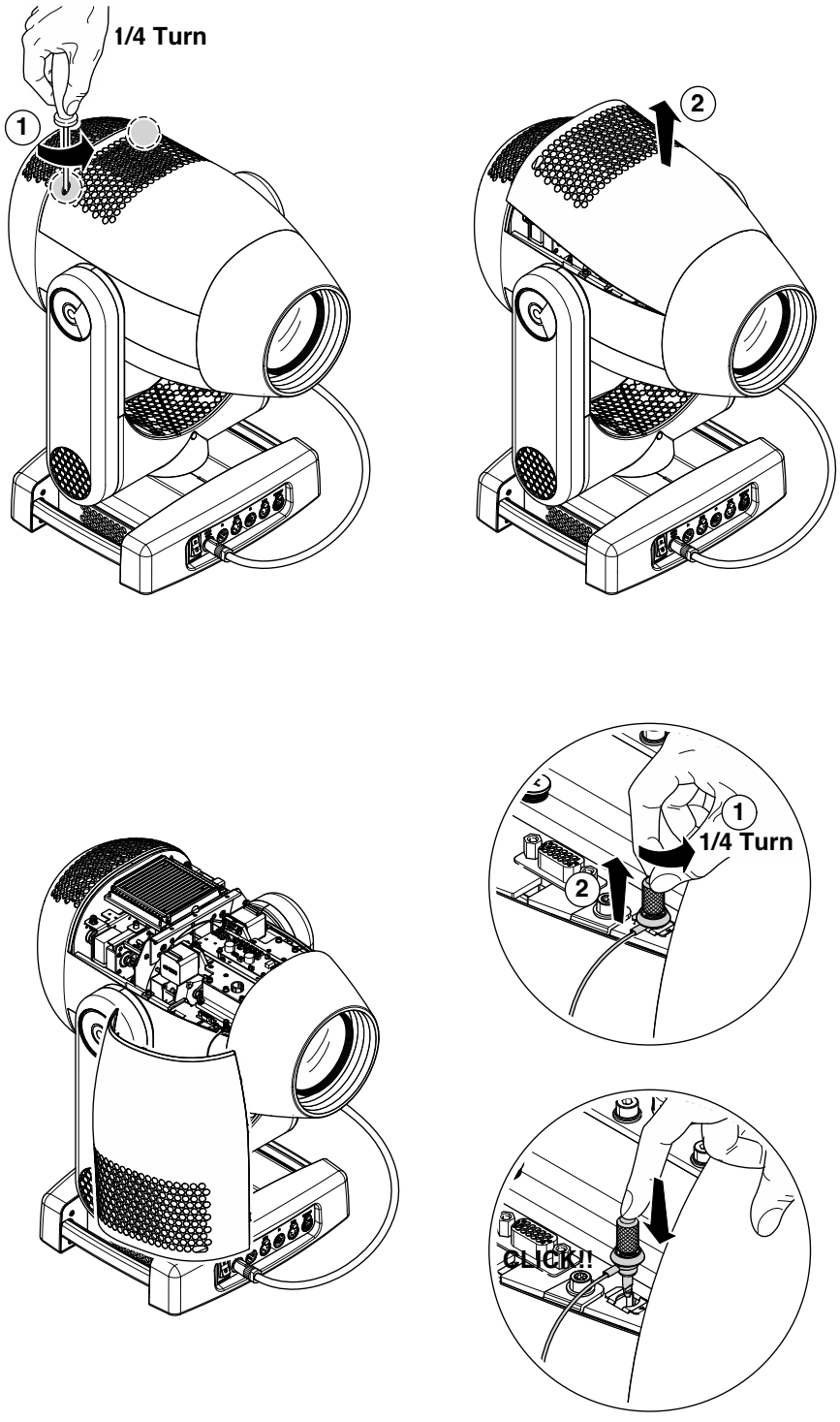
**Setting addresses and options with the projector disconnected**

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 ⓞⓚ 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.

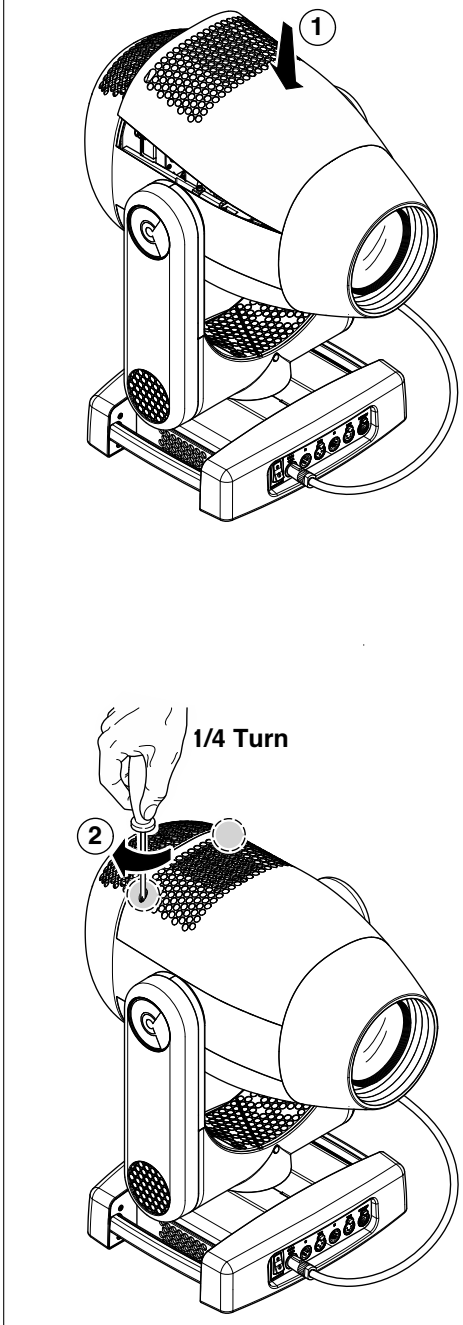
# 4. MAINTENANCE

## 4.1 Opening the covers

**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.

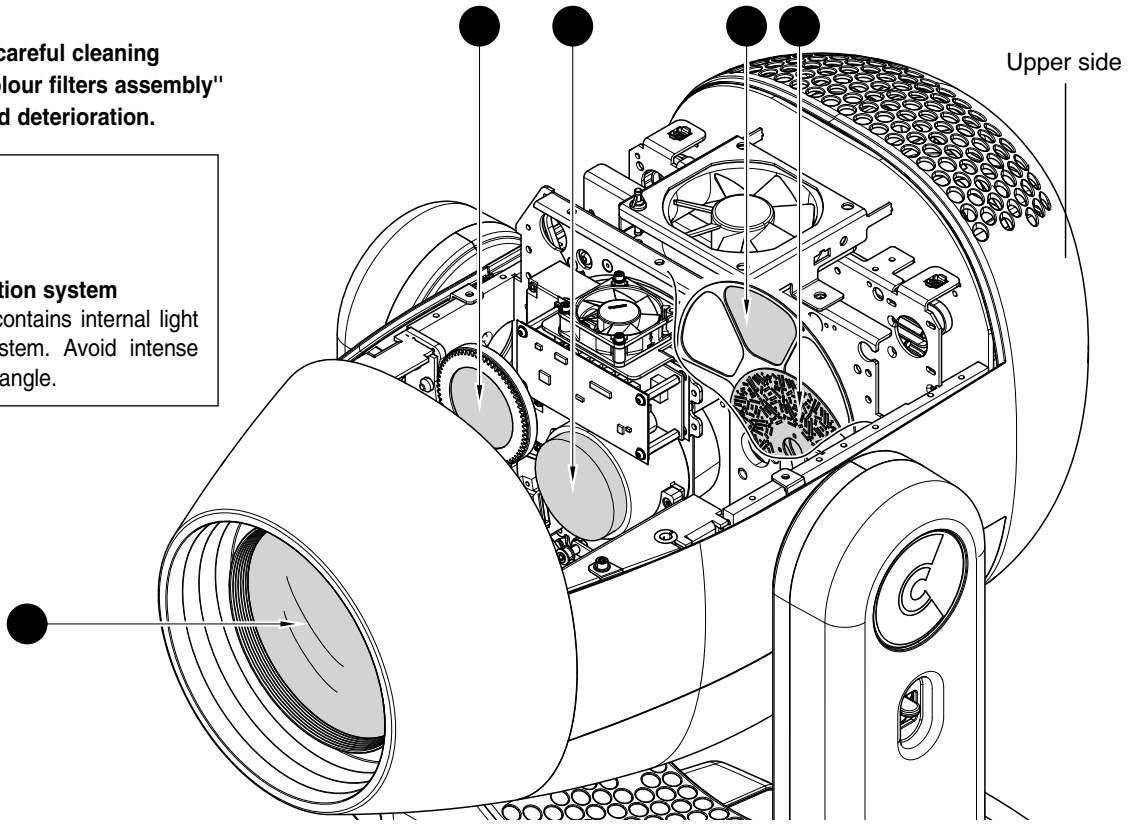
*Continue* →

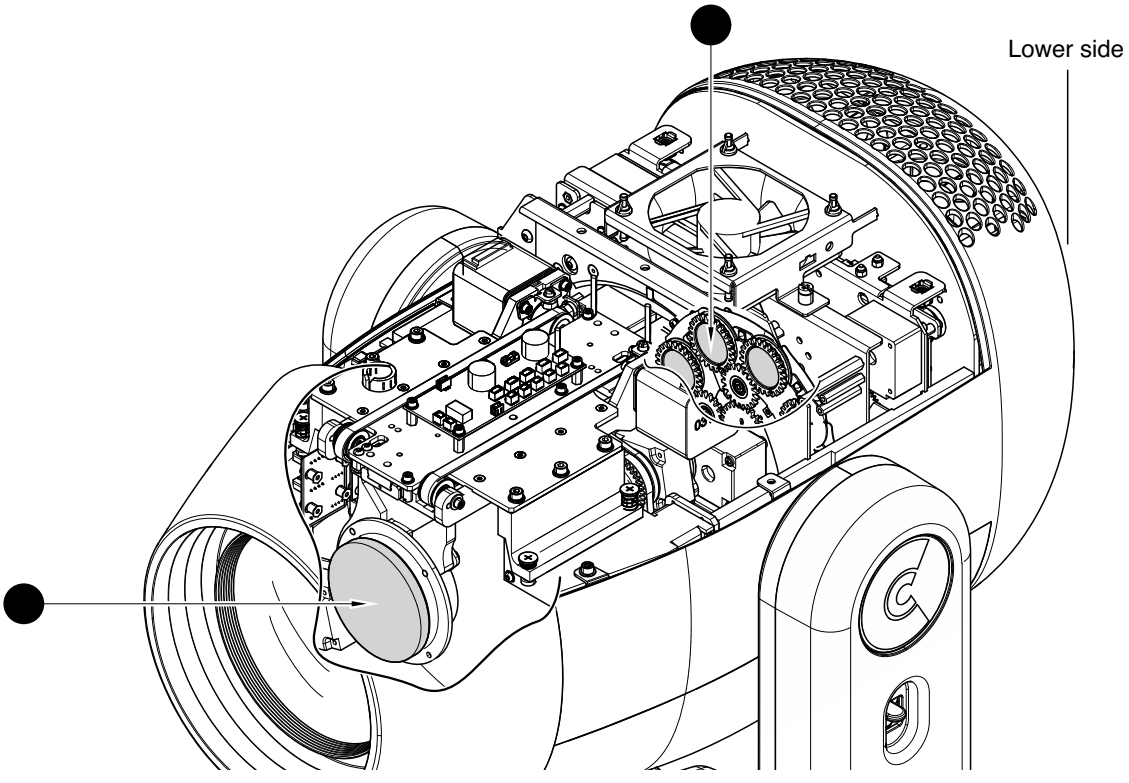
## 4.2 Periodical cleaning

**12**

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

**Light collimation system**
This product contains internal light collimation system. Avoid intense light from any angle.




**Periodical cleaning** - Fig. 12

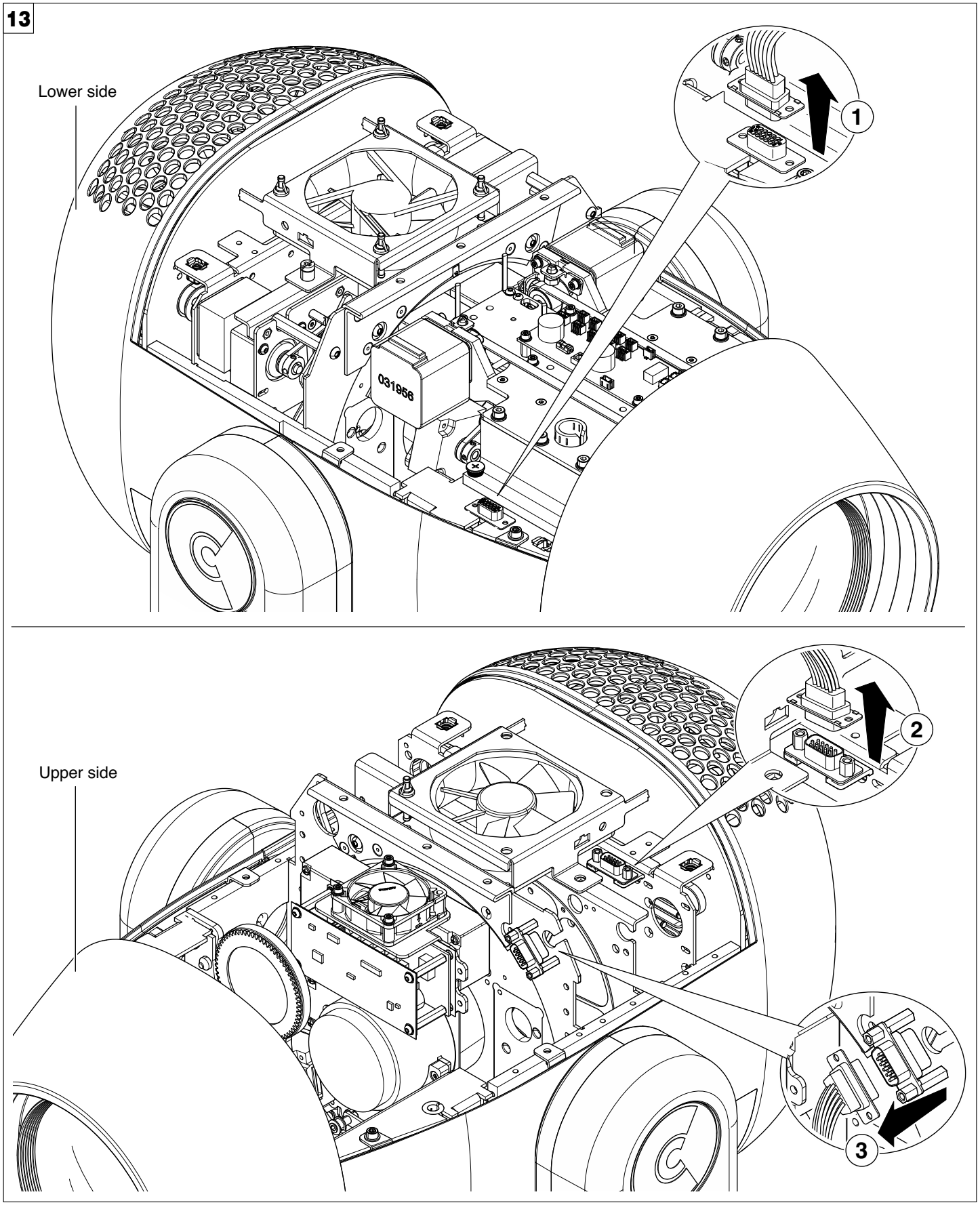
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the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

## 4.3 Effects module removal

**13**



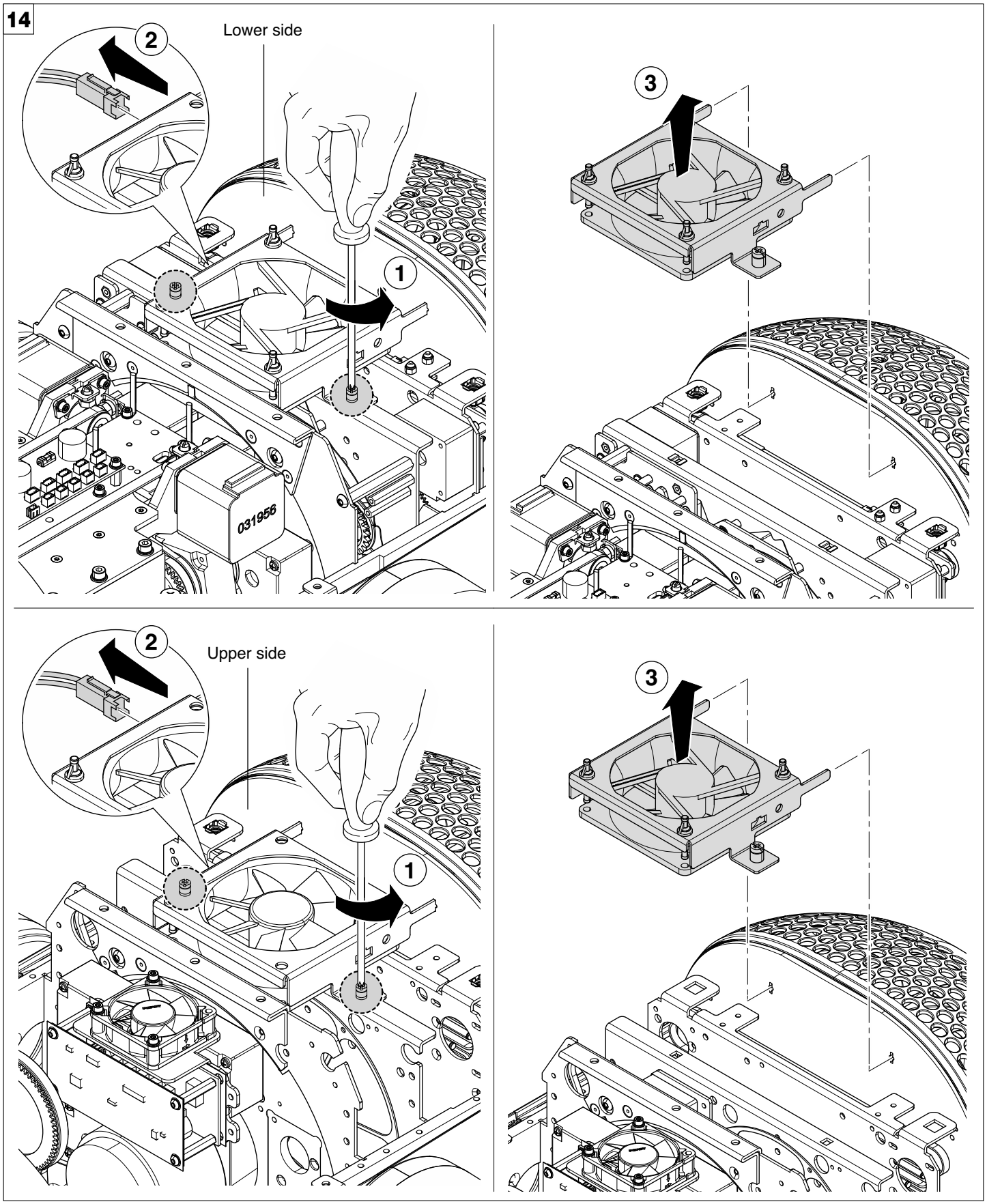

**Extraction of the effect modules: Preliminary operations** - Fig. 13.

**NOTE:**

**- Do not disconnect wiring harnesses when the fixtures is switched-on, to avoid to damage electronic boards.**

**- Do not switch-on the fixtures with wiring harness disconnected.**

*Continue* →



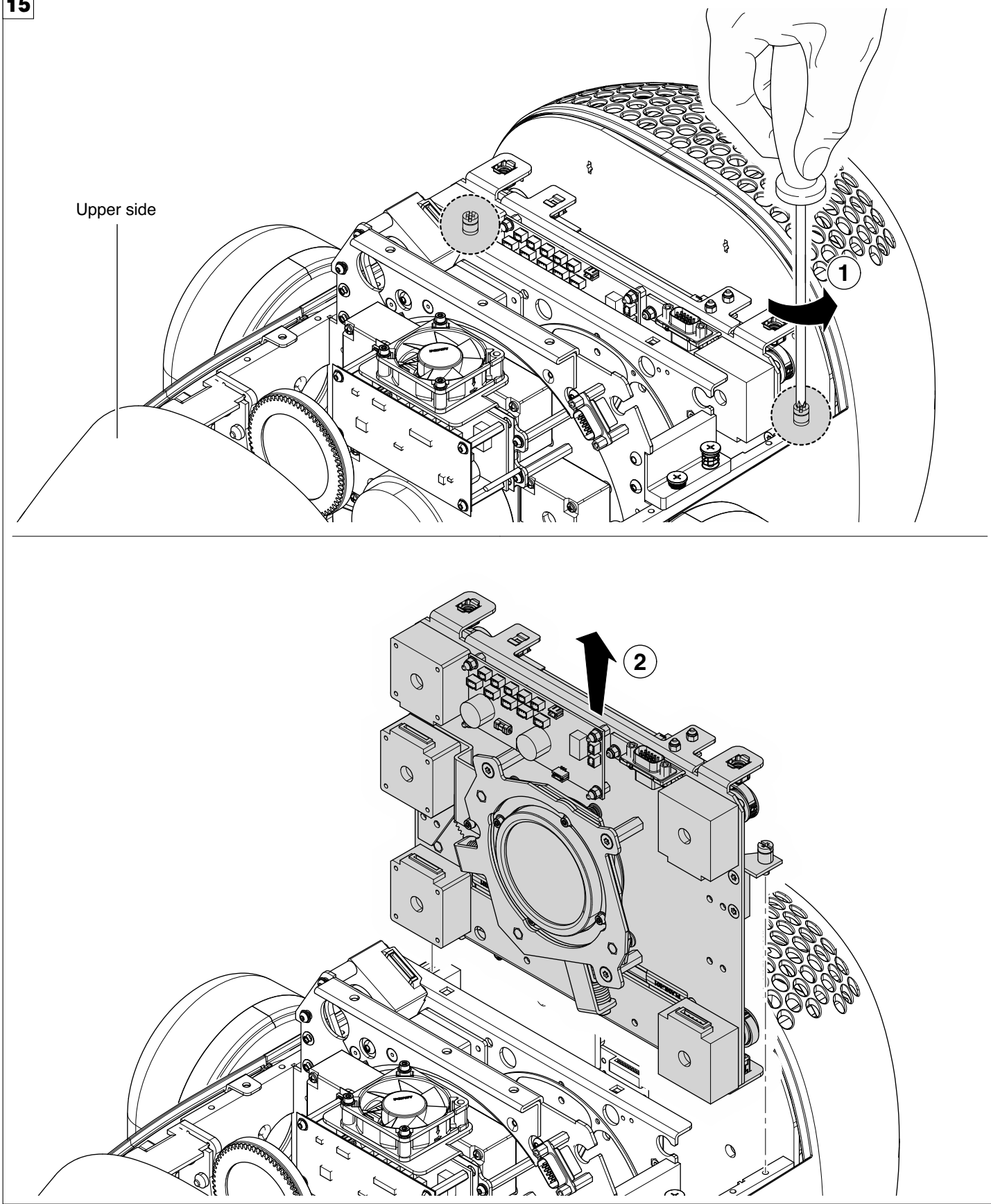

**Extraction of the effect modules: Preliminary operations** - Fig. 14.

**NOTE:**

**- Do not disconnect wiring harnesses when the fixtures is switched-on, to avoid to damage electronic boards.**

**- Do not switch-on the fixtures with wiring harness disconnected.**

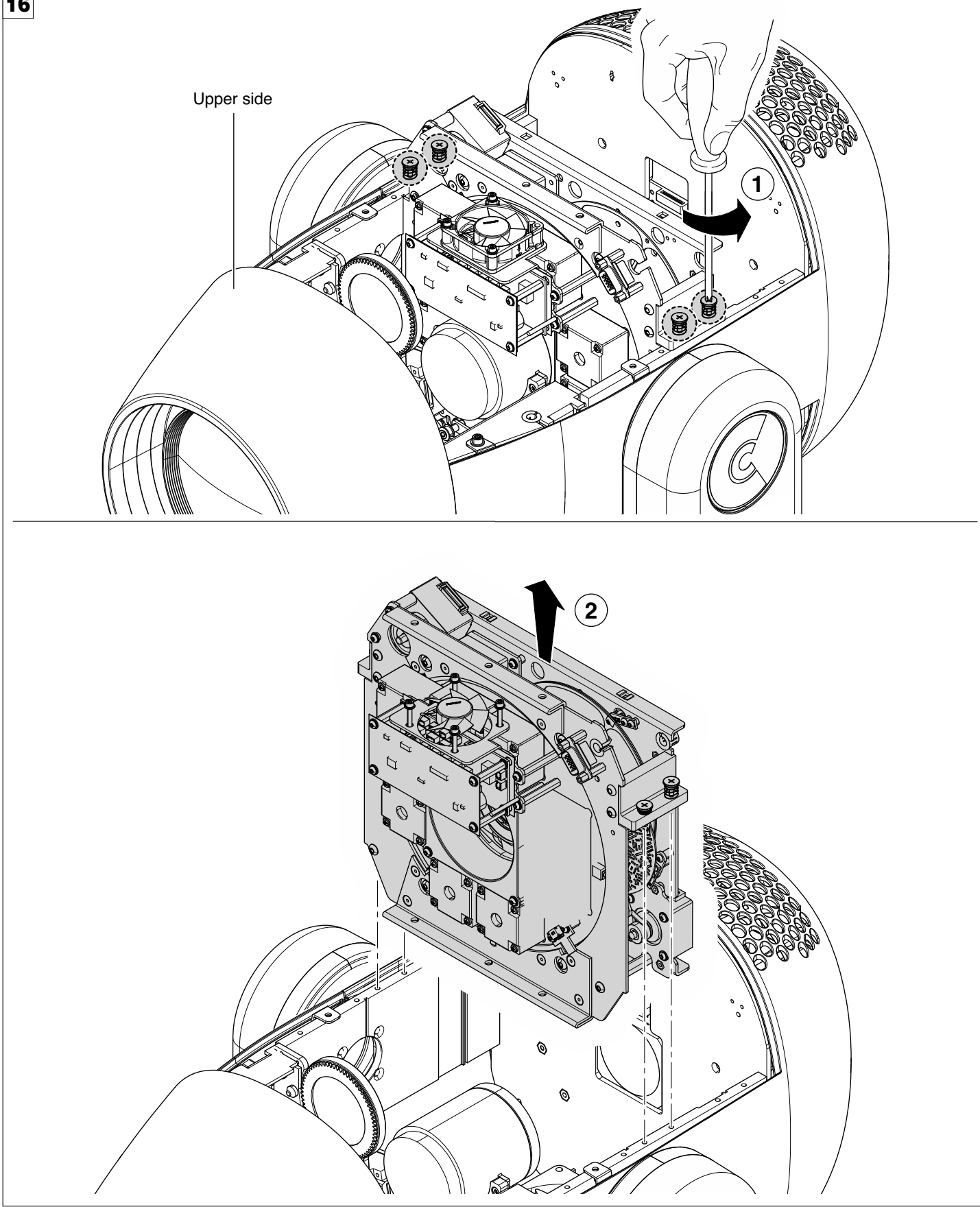
**15**




**Extraction of the effect modules** - Fig. 15.
**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. 15, 16, 17 and 18 in reverse order.

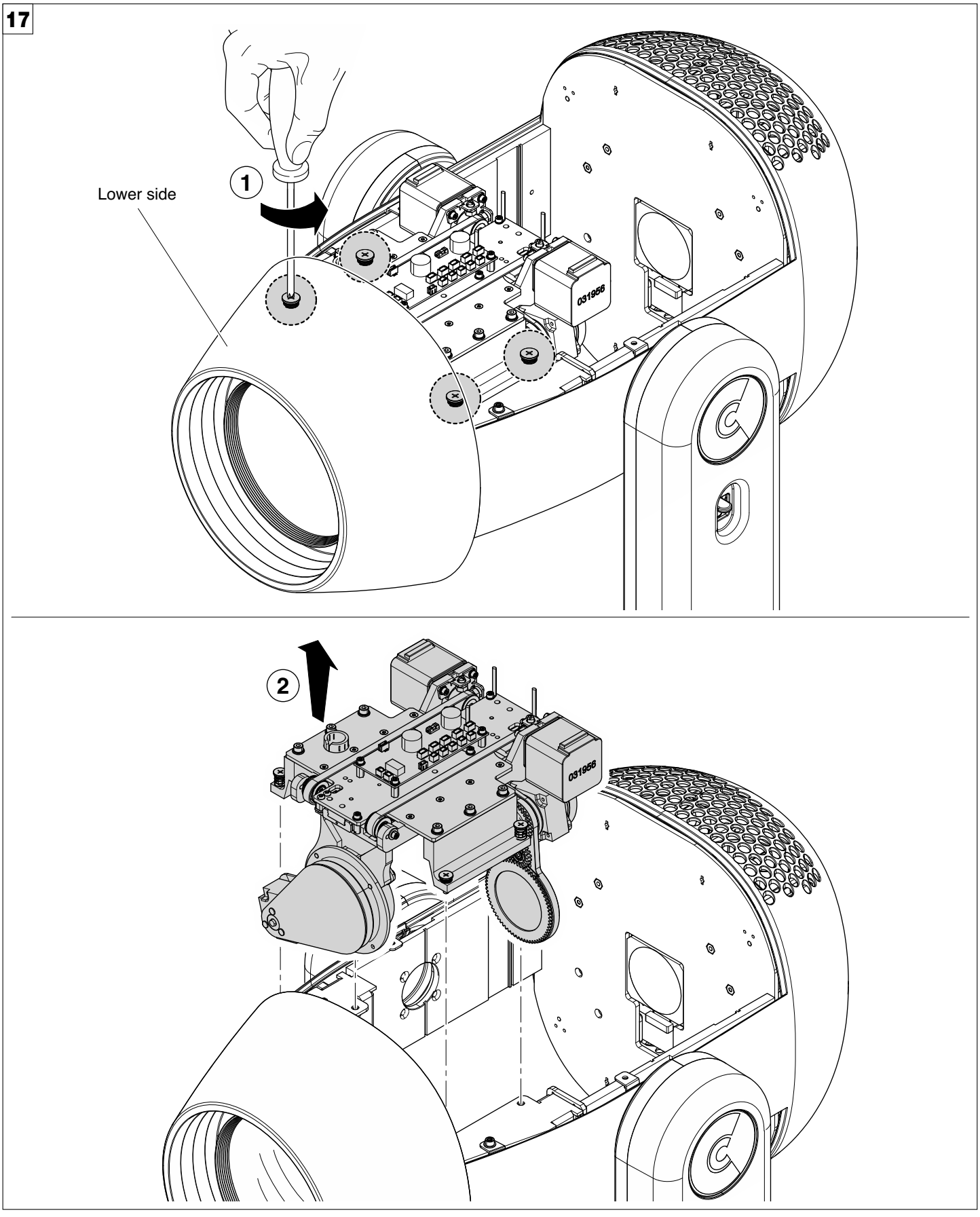
*Continue* →

**16**




**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. 15, 16, 17 and 18 in reverse order.

**17**

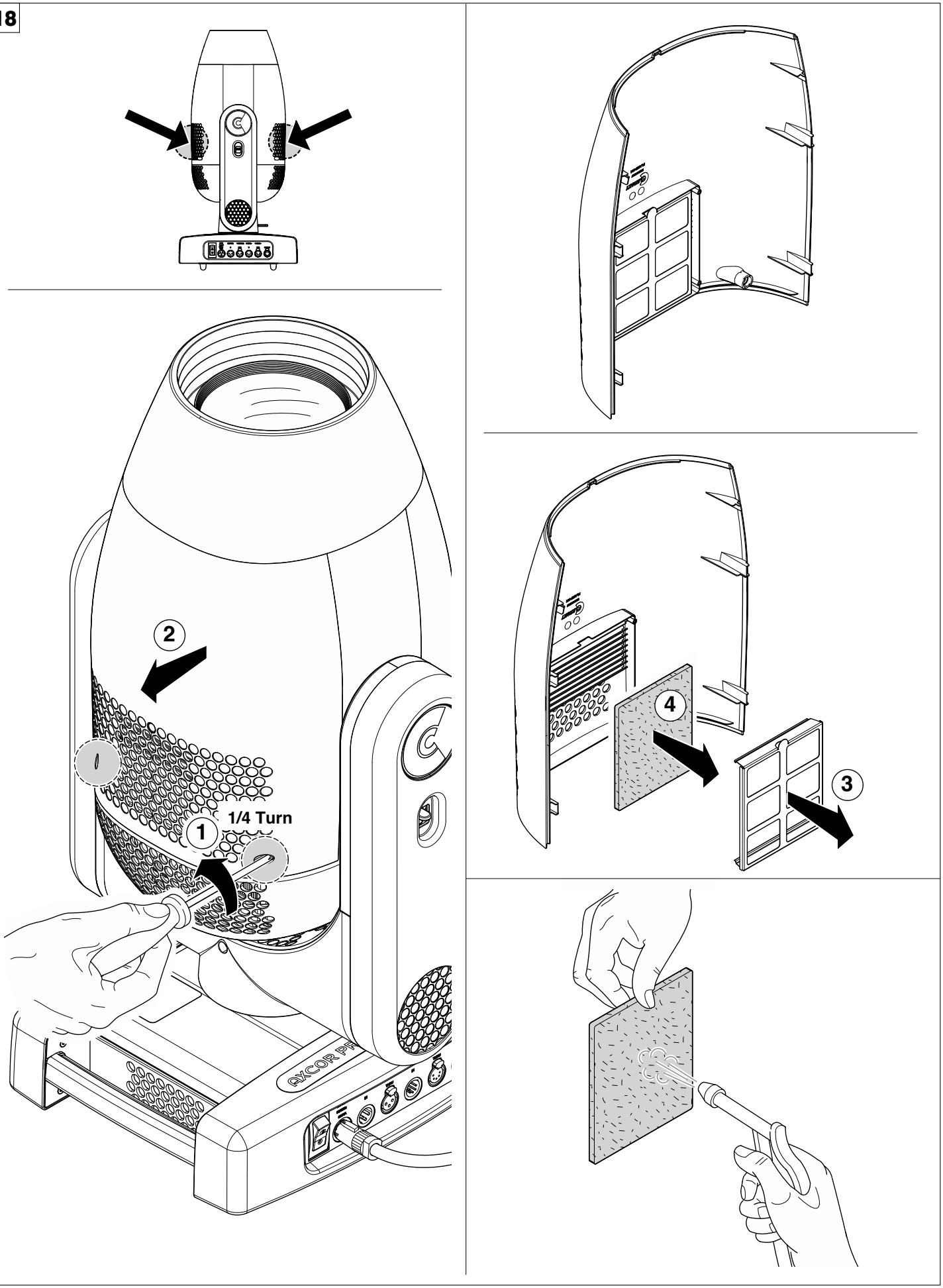



**Extraction of the effect modules** - Fig. 17.
**IMPORTANT: Grasp the modules using the support structure and not the details which could get damaged.**
**Insertion of the effect modules:** Repeat the operations indicated in Fig. 15, 16, 17 and 18 in reverse order.

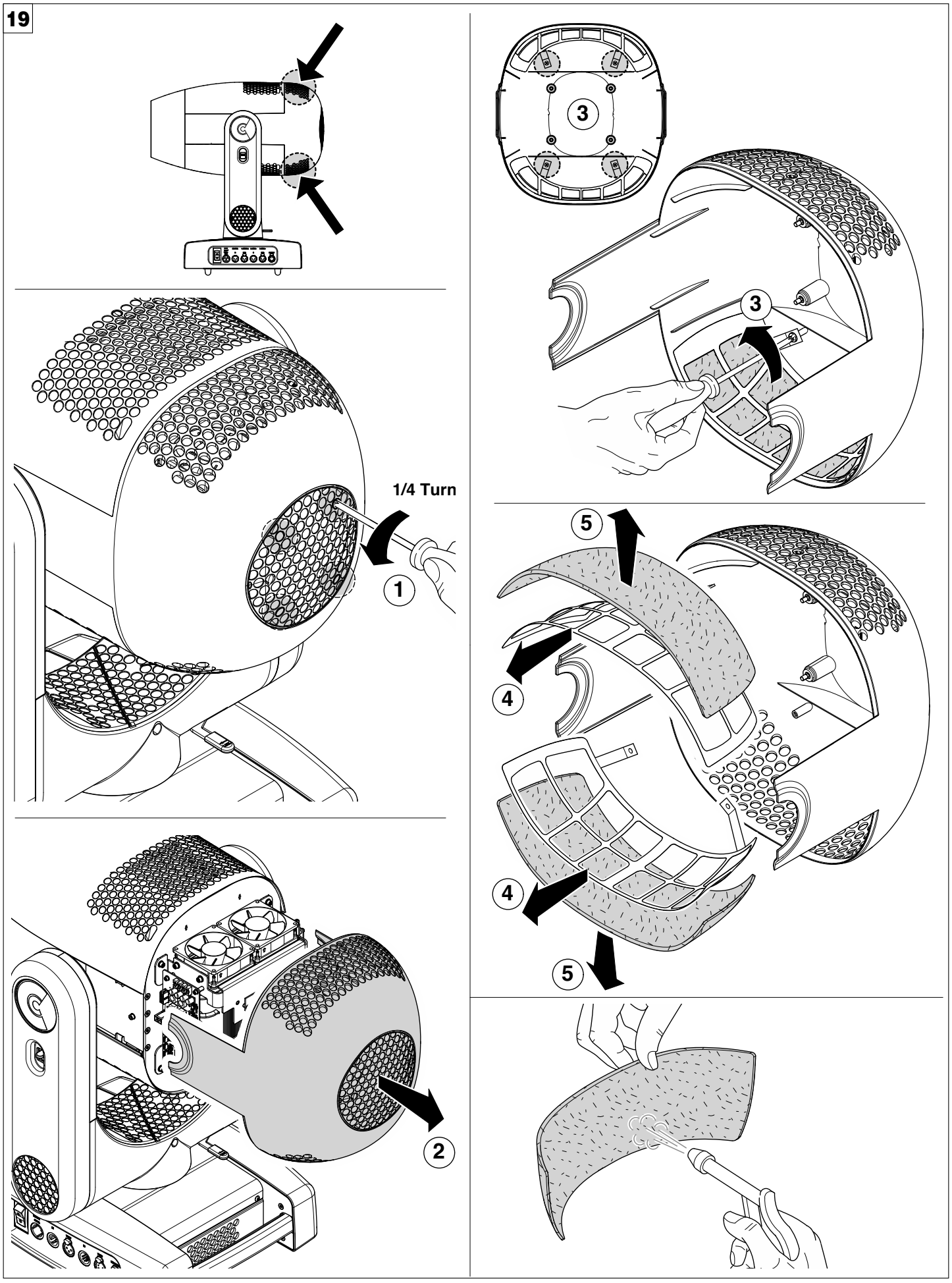
*Continue* →

## 4.4 - Cleaning of the filters

**18**




**Cleaning of the filters** - Fig. 18.

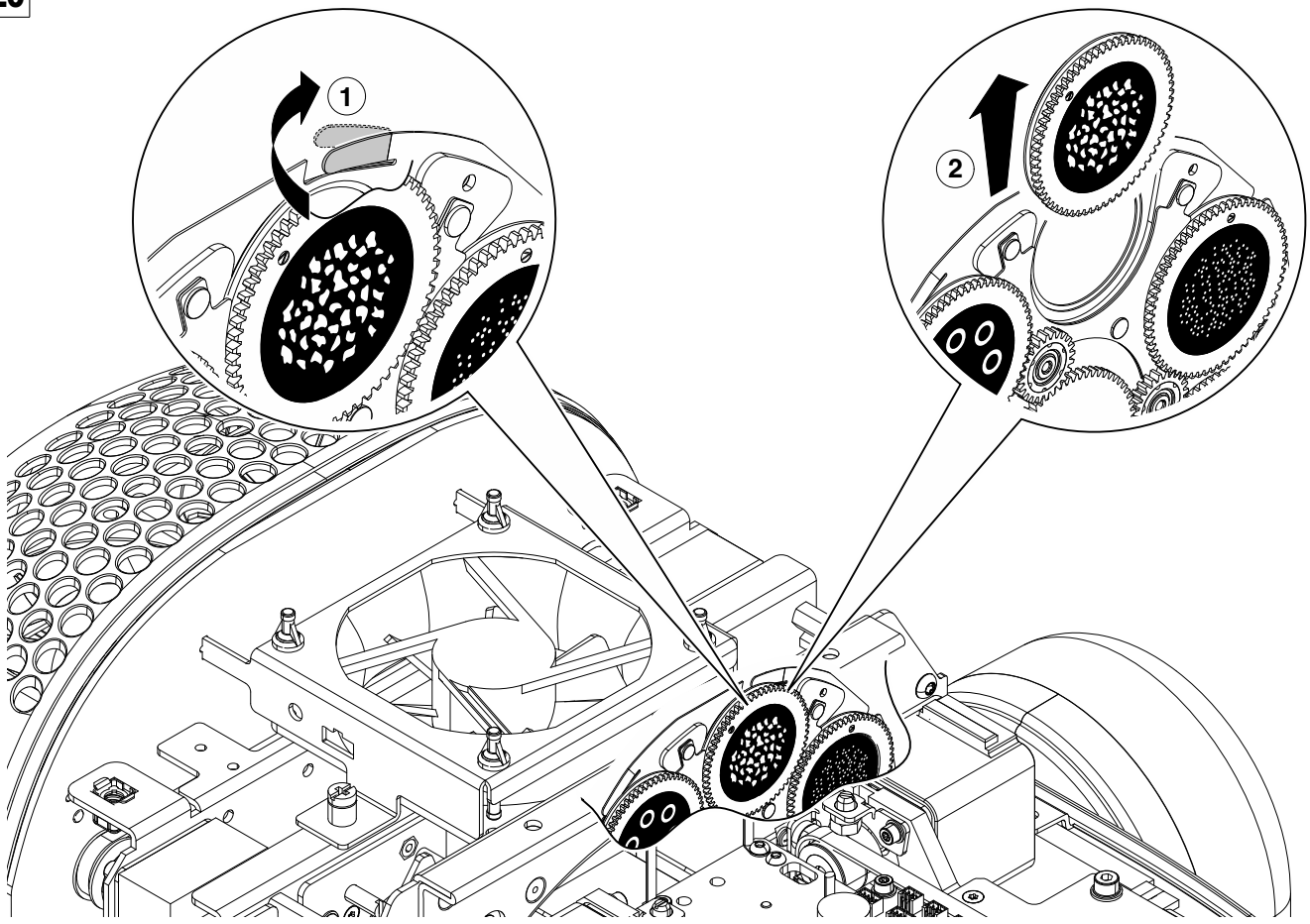



**Cleaning of the filters** - Fig. 19.

*Continue* →

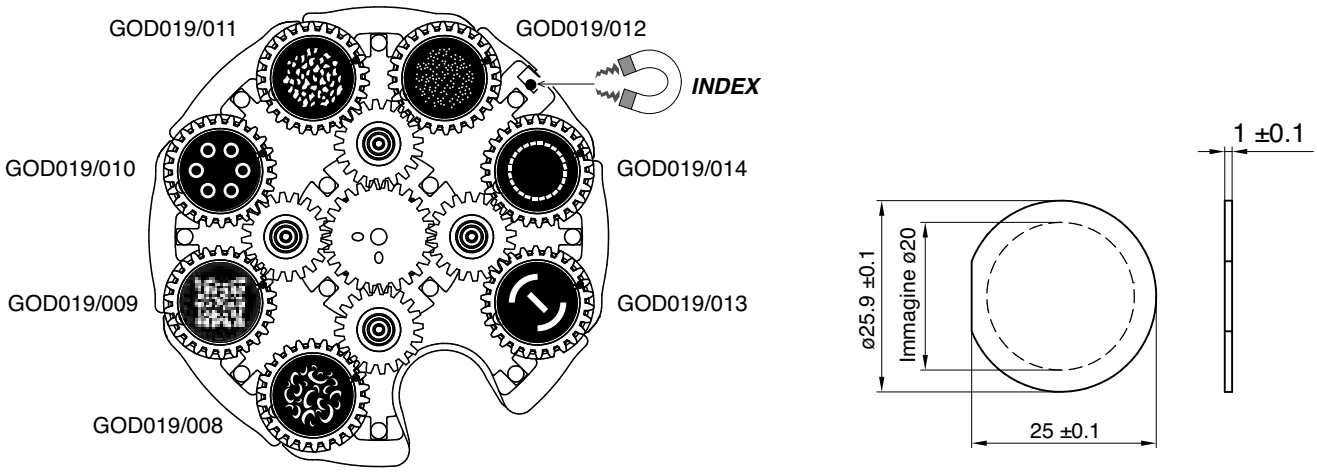
## 4.5 - Rotating gobos

**20**




**Bearing group replacement** - Fig. 20

**21**

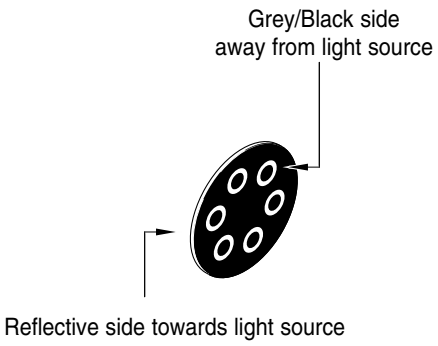



**Replacing rotating gobos (max 20 mm image – thickness 1 mm)** - Fig. 21

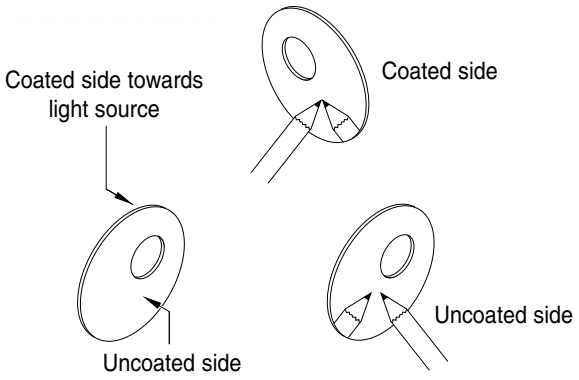
- **The rotating gobo wheel only use dichroic glass gobos (it is not possible to use metal gobos);**
- **For more information contact Claypaky;**

**22**

**COATED GLASS GOBOS TYPE 1**




**COATED GLASS GOBOS TYPE 2**

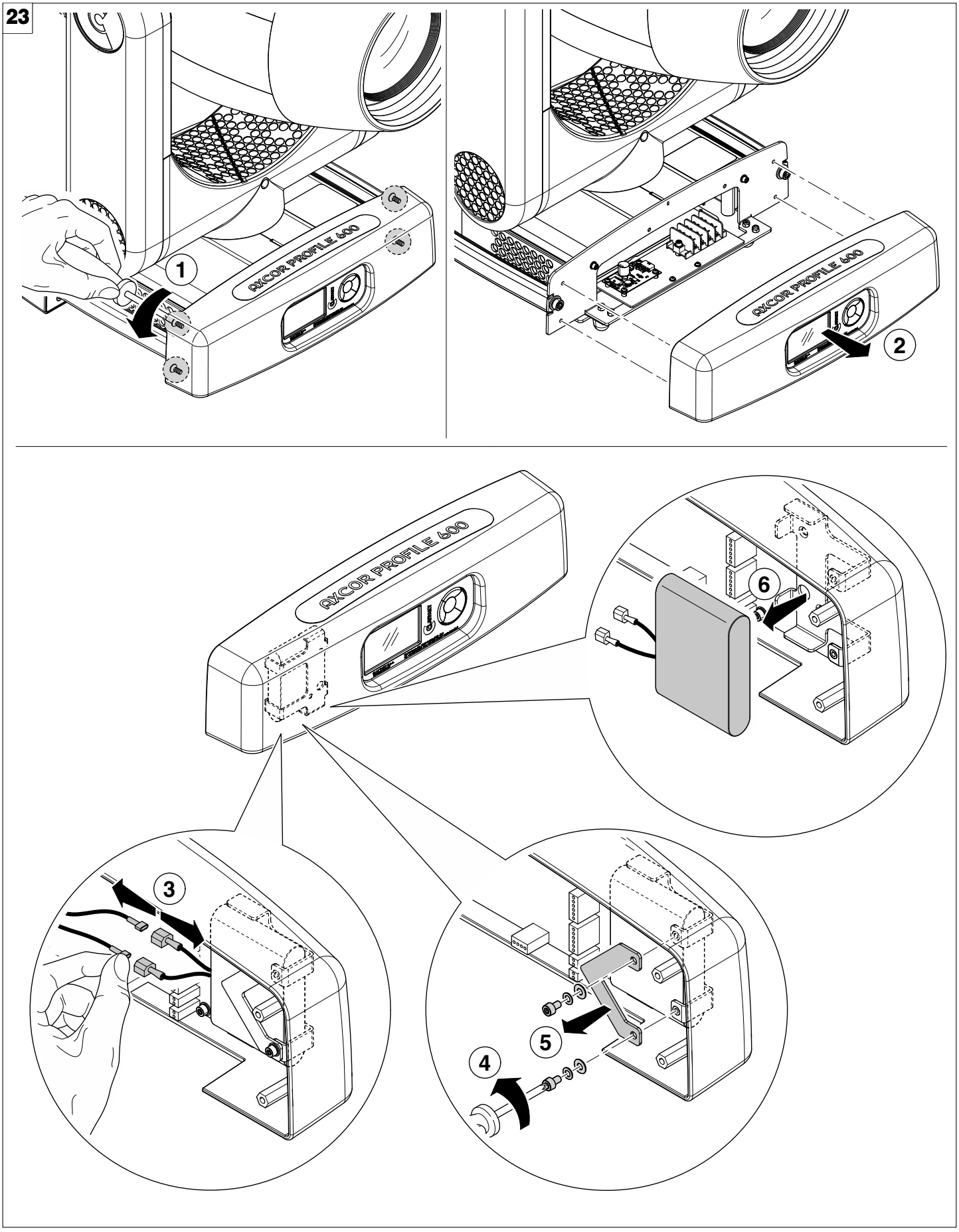



To determine which side of a godo is coated, hold an odject up to it. On the uncoated side, there is a space between the object and its reflection.

**Gobo orientation** - Fig. 22
The pictures shown the correct gobos orientation.

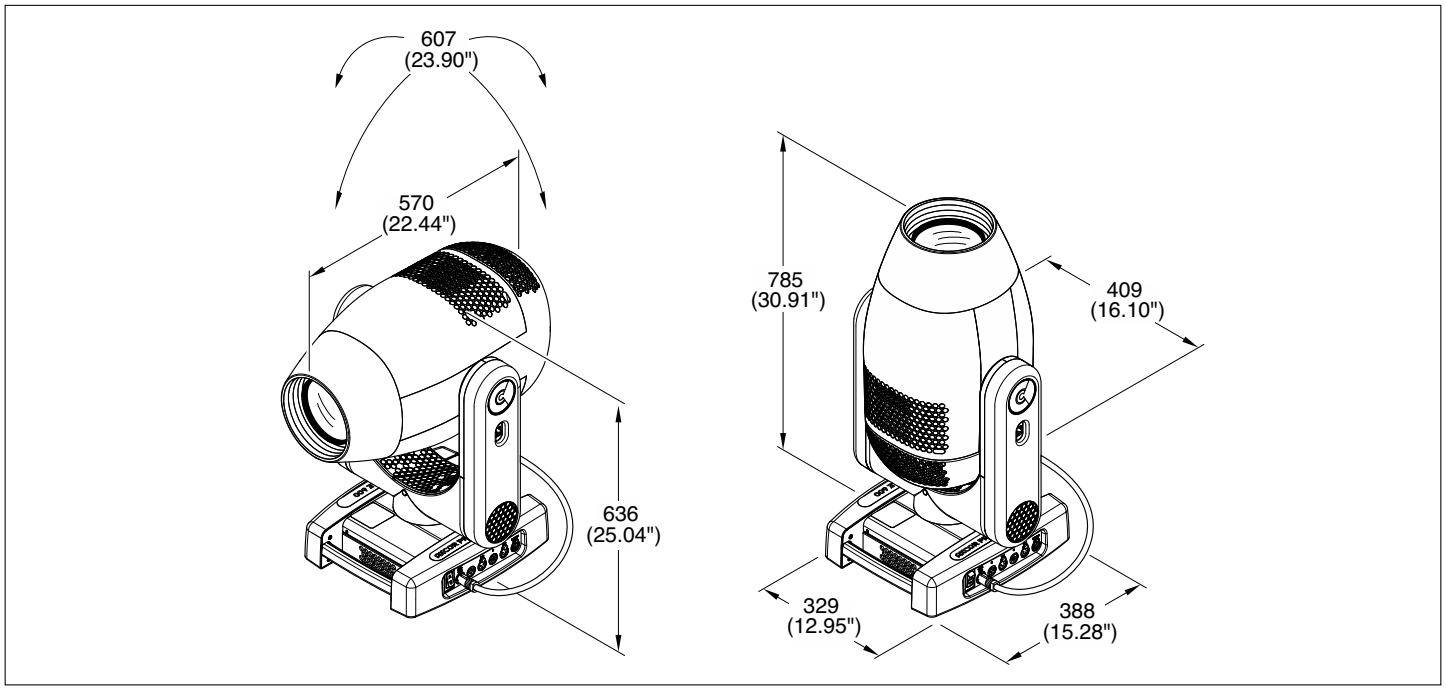
*Continue* →

## 4.6 Battery removal




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

# 5. SPECIFICATIONS




**POWER SUPPLIES**
AC power input 100-240V, 50/60 Hz.

**INPUT POWER**
800 VA @230Vac - 50Hz.

**LIGHT SOURCE**
500W White LED engine.
Versions available:
- CRI: at least 70, CT 6500K (Axcor Profile 600 Teatro)
- CRI: at least 90, CT 5600K (Axcor Profile 600 HC Teatro)

**OPTICS**
Ø 132mm front lens / 5.3°- 47.2° linear Zoom

**CHANNELS**
40/44 control channels.

**EFFECTS SECTION**
- Motorized framing system with 4 focal planes
- Smooth, flexible blade movements at variable speed
- 4 Blades that move separately.
- A "total curtain" effect made separately by each of the 4 blades, in many
- shapes and colors. / Small and large dynamic profiles.
- 90° rotation of the entire system, at variable speed.
- Rotating Gobos: 7 HD interchangeable gobos, ø 25.9; image ø 20; indexable on 540°: plumens, water lines, multiple cones, shattered, small dots, broken circle, half circle.
- Animation Wheel (interchangeable with static gobo disk) clockwise and counter-clockwise rotation at variable speed.
- Rotating Prism: 1 x 4-facet prism, interchangeable, indexable on 540°; clockwise and counter-clockwise rotation at variable speed.
- Variable "soft edge" frost 0-100% linear.
- Iris with multiple macros (random, pulsing…)
- CMY and Linear CTO.
- Color wheel 5 colors: Dark Red, Green. CRI, Gold amber, Navy blue.
- Pan/Tilt Resolution 16 bit.
- Focus Resolution 16 bit.
- Gobo Resolution 16 bit.
- Dimmer Resolution 16 bit, 4 dimmer curves.
- Electronic strobe @25 f/sec.
- Movement control vectorial.

**ELECTRONICS**
- Control signal USITT DMX 512.
- Long life self-charging battery.
- Display Graphic LCD backlit b/w Display.
- Function reset via on-board menu.
- Function reset from the lighting desk.
- "AUTOTEST" function from menu.
- Electronic monitoring with status error reporting and logging.
- Cooling system monitoring.
- DMX level monitoring on all channels.
- Internal data transmission diagnostics.
- Upgrade with no power (CPU only) firmware
- Firmware upload from another fixture (CPU only).
- Firmware Upgrade via Web Server.
- Protocols/Functions: RDM, Web Server, ArtNet.
- Extremely reliable communication RS485 bus.

**IP RATING**
**IP 20** - Protected against the entry of solid bodies larger than 12mm (0.47");
No protection against the entry of liquids.

**INPUTS**
DMX 512, 3 and 5 pin In & Out connector.
Ethernet.
Neutrik PowerCon True1 (IN & OUT).

**MOTORS**
Stepper motors, microprocessor controlled.

**MOVING BODY**
- PAN range 540°
- TILT range 268°.

**BODY**
- Aluminum and steel structure with plastic covers.
- Two side handles for transportation.
- Device locking PAN and TILT mechanisms for transportation and maintenance.

**WORKING POSITION**
- Working in any position.
- Hanging system: with fast-lock omega clamps (1/4 turn – pn183102/805) on the base.
- Optional safety chain.

**SAFETY SPECIFICATIONS**
- Minimum distance of illuminated objects 3 meters (9' 10").
- Minimum distance from flammable materials 0.2 meters (8").
- Max ambient temperature 40°C (104°F).
- Max temperature of the external surface 90°C (194°F).
- Safety devices circuit breaker with thermal protection.
- Thermally protected power supply (overheating and cooling failure)..
- Forced ventilation with axial fans.

**NOISE LEVEL**
- 42.5 dBA standard mode Led power 500W (background 32.0)
- 38.5 dbA silent mode LED Power 400W (background 32.0)
- 35.0 dBA silent mode Led Power 300W (background 32.0)

**CE MARKING**
In conformity with the European Directives:
- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD).
- 2014/30/EU - Electromagnetic Compatibility (EMC).
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS).
- 2009/125/EC - EcoDesign requirements for Energy-related Products (ErP).

**ETL**
This product is available, on demand, with cETLus Listed Mark.

**PACKAGING**
- Carton box + Polystyrene
- Carton box + Foam shell
- Flight case + Foam shell (2 position)

**WEIGHT**
33 Kg (72.7 lbs).

**ACCESSORIES**
- Safety chain 105041/003
- Optional static gobo C61785
- Foam shell F21310/001
- Flight case F21311 (2 foam included)

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