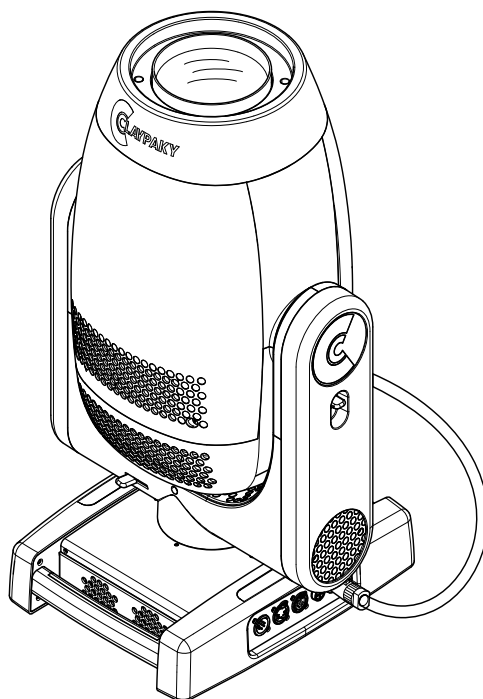


INSTRUCTION MANUAL



INDEX

Page	Contents
2	1. Safety information
3	2. Unpacking and preparation
4	3. Installation and start-up
4	3.1 Installing the fixture
4	3.2 Connecting to mains supply
5	3.3 Connecting the control signal line: DMX / Art-Net
5	3.4 Switching on the fixture and basic SetUp
7	4. Maintenance
7	4.1 Opening the covers
8	4.2 Periodical cleaning
9	4.3 Effects module removal
12	4.4 Cleaning of the filters
14	4.5 Rotating gobos
15	4.6 Battery removal
16	5. Specifications

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: FIS00T - Safety Information Axcor 400 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: FIS00T - Safety Information Axcor 400 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: FIS00T - Safety Information Axcor 400 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: FIS00T - Safety Information Axcor 400 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. : FIS00T - Safety Information Axcor 400 series

RU

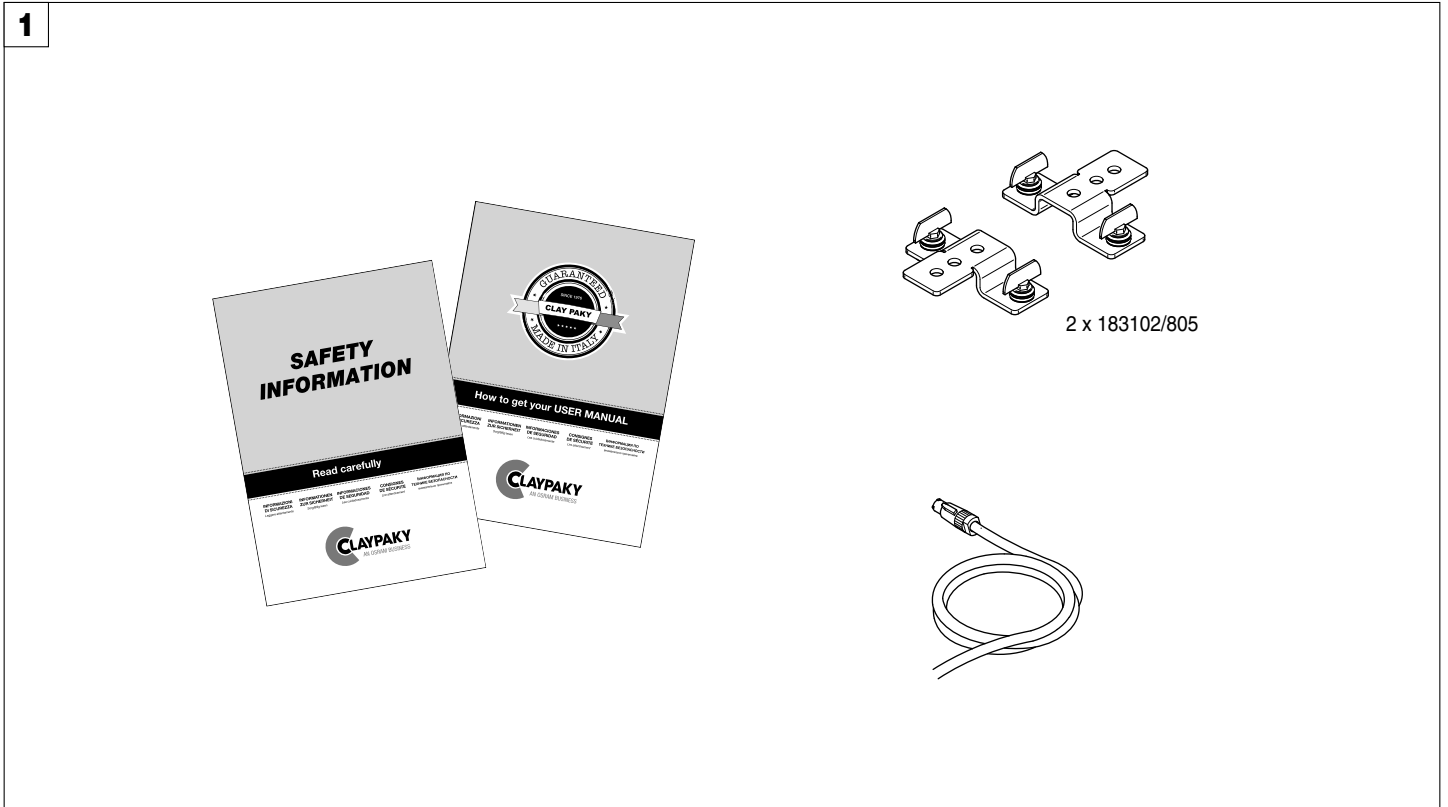
ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ

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

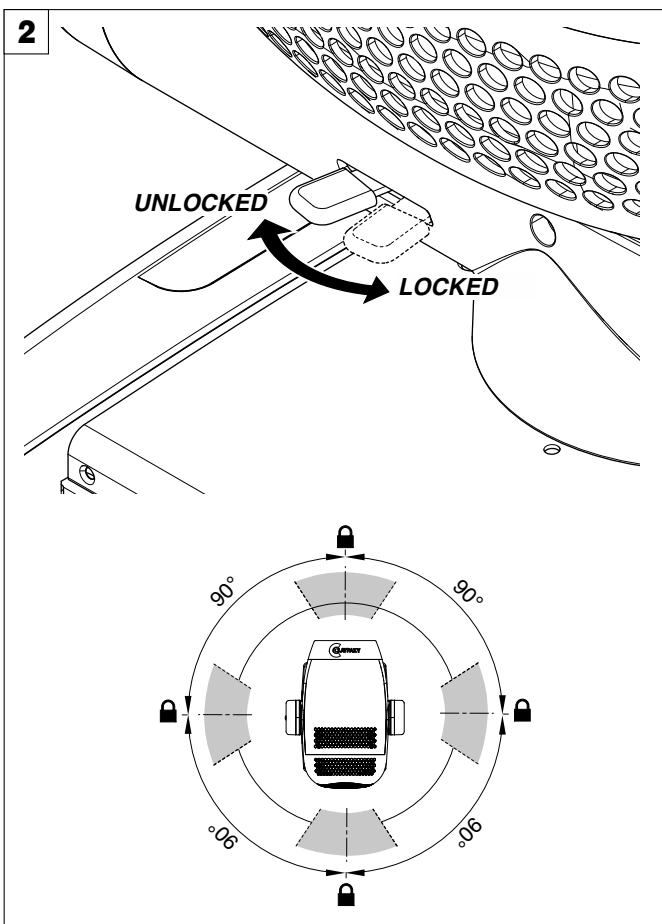
www.claypaky.com

Наименование: FIS00T - Safety Information Axcor 400 series

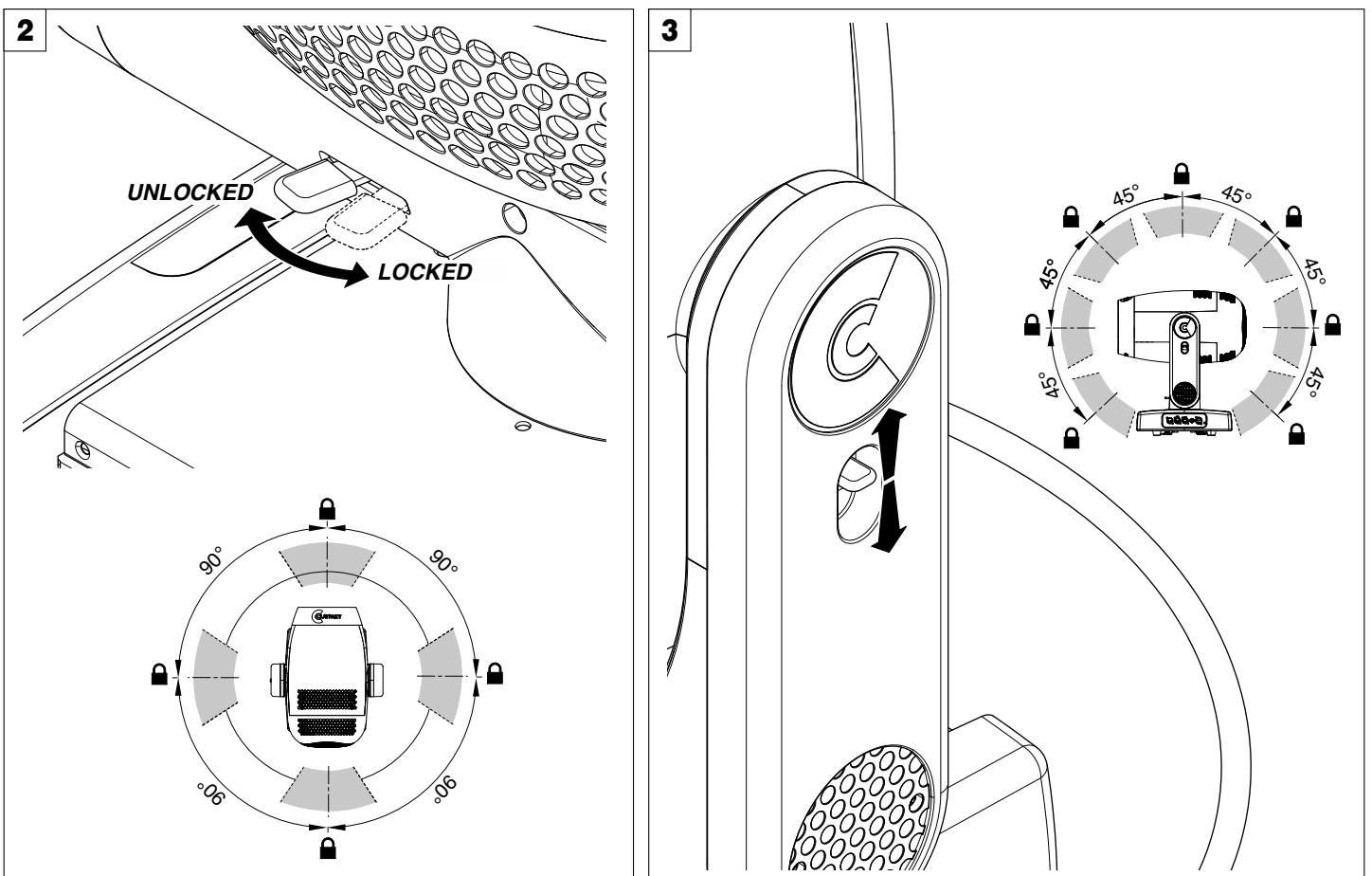
2. UNPACKING AND PREPARATION



Packing contents - Fig. 1



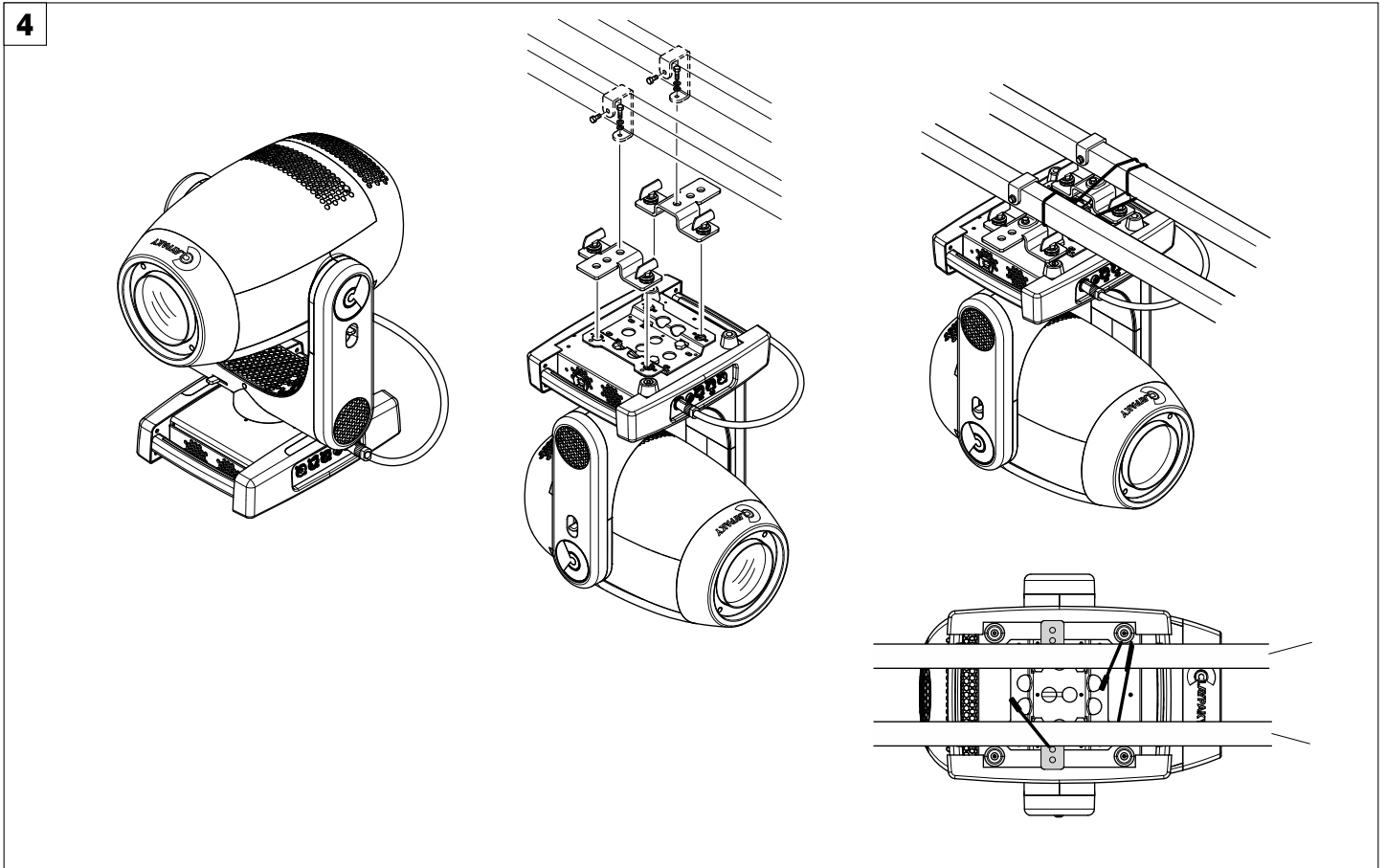
PAN Mechanism Lock and Release (every 90°) - Fig. 2



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

3. INSTALLATION AND START-UP

3.1 Installing the fixture

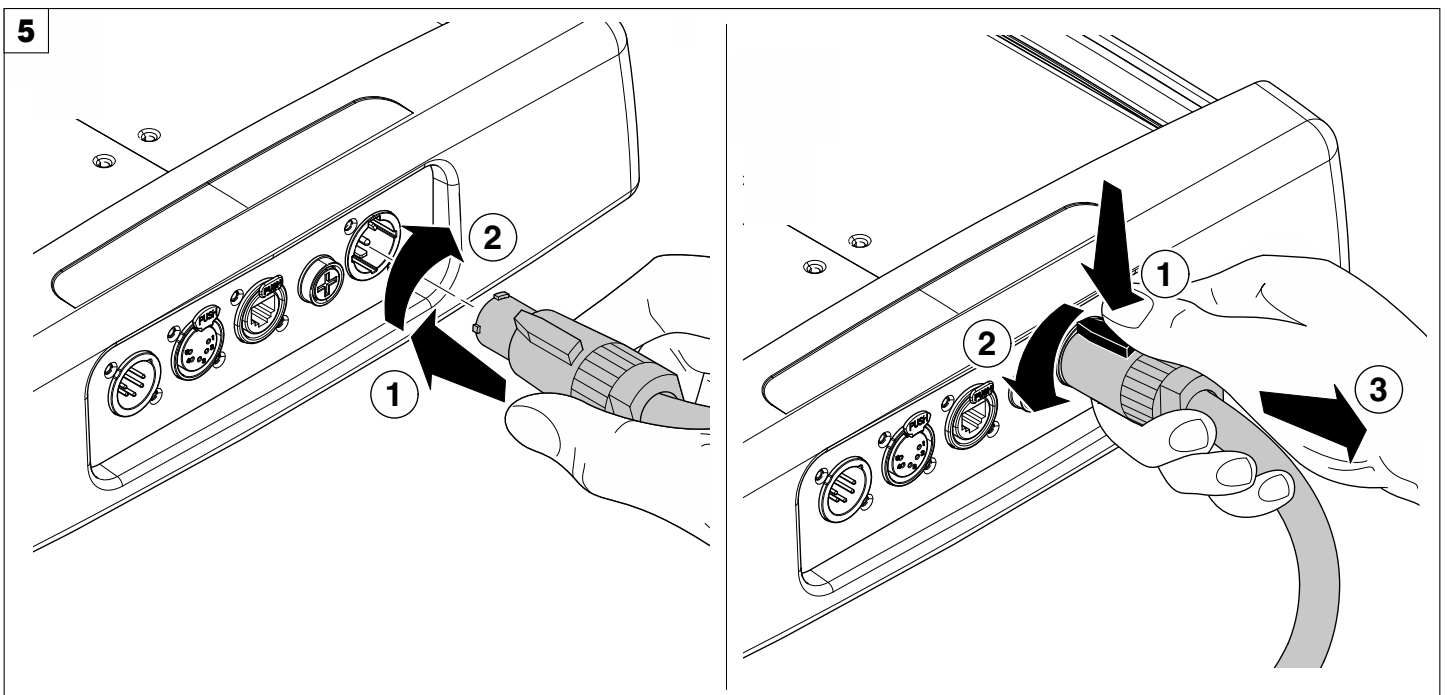


Installing the projector - Fig. 4

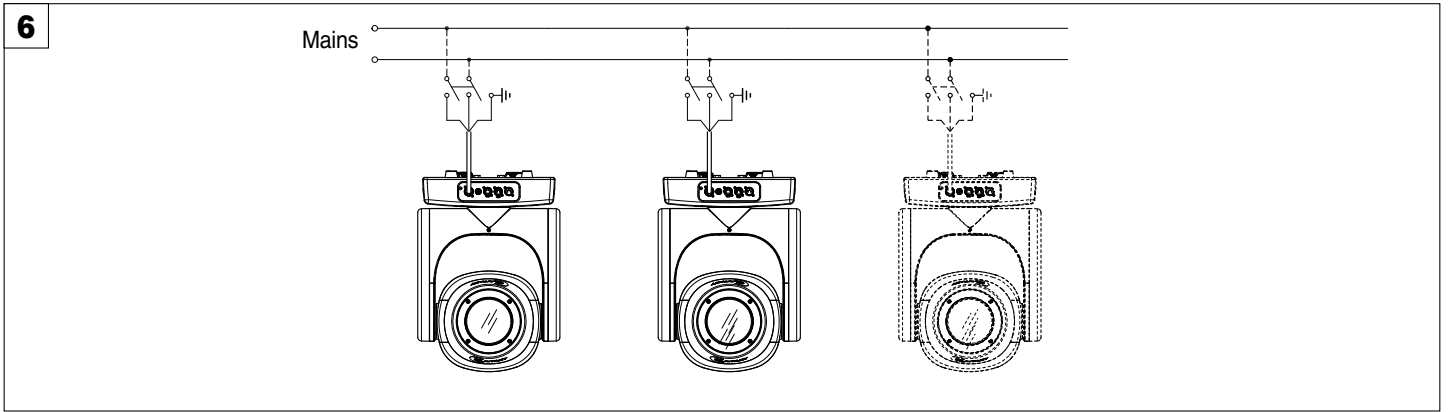
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.

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 mains supply

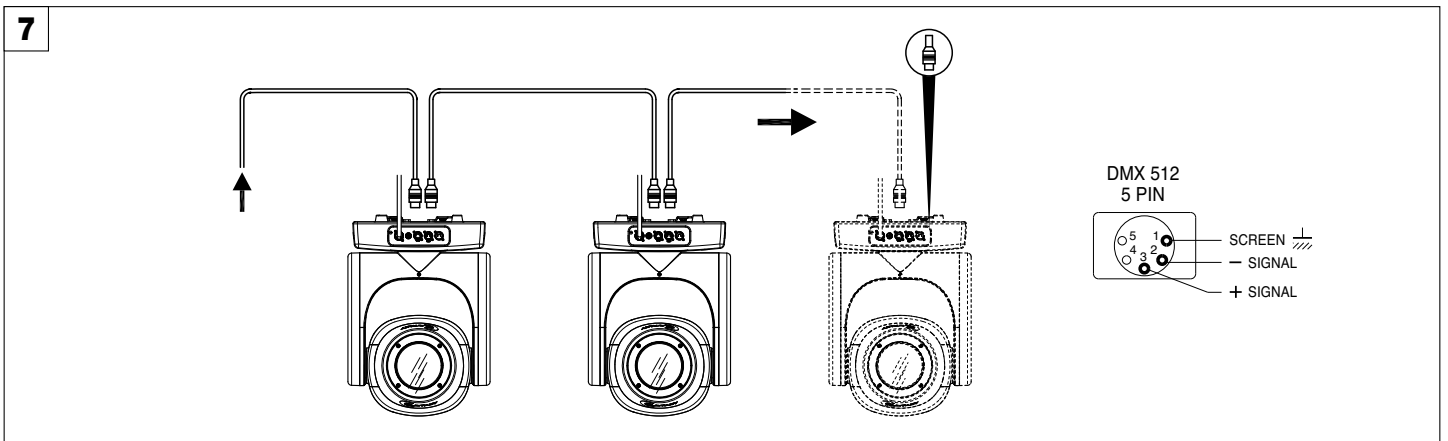


Connecting and disconnecting power cable - Fig. 5



Connecting to the mains supply - Fig. 6

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

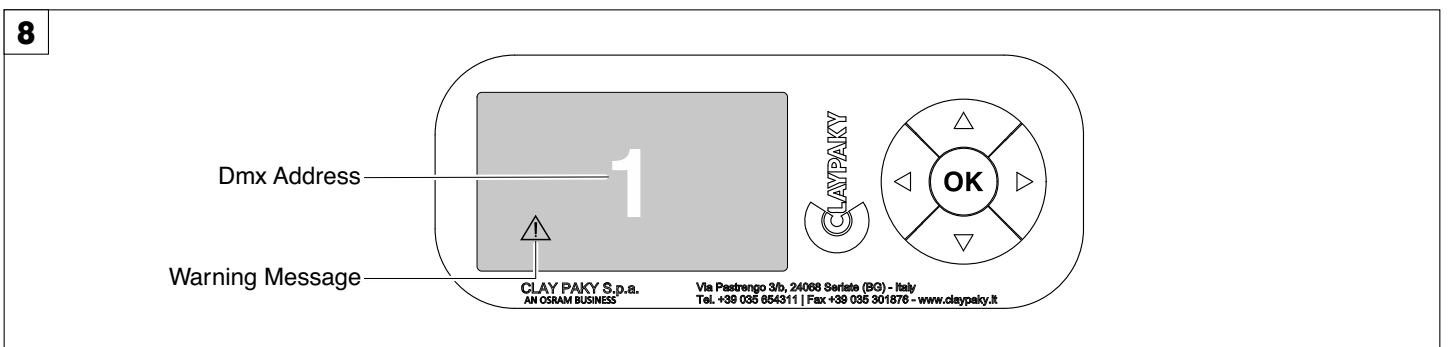


Connecting to the control signal line (DMX) - Fig. 7

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.

3.4 Switching on the fixture and basic SetUp



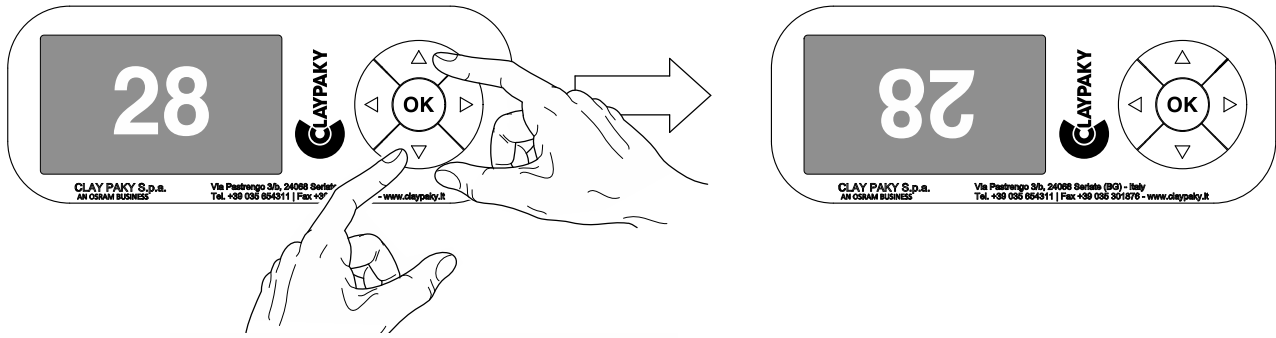
Switching on the projector - Fig. 8

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



	Model Axcor 400	Firmware Version X.X.X Date - Hour	Dmx Address xxx	System errors
--	------------------------------	--	-----------------	---------------------------------

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.

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 **OK** key will be cancelled.



Reversal of the display - Fig. 9

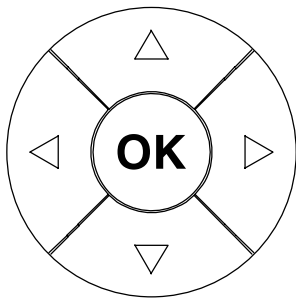
To activate this function, press UP  and DOWN  keys simultaneously while the display is in the rest mode. This status will be memorised and maintained even for the next time it will be switched on. To return to the initial state, repeat the operation all over again.

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.

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" and "Calibration" menu.

USING THE MENU:

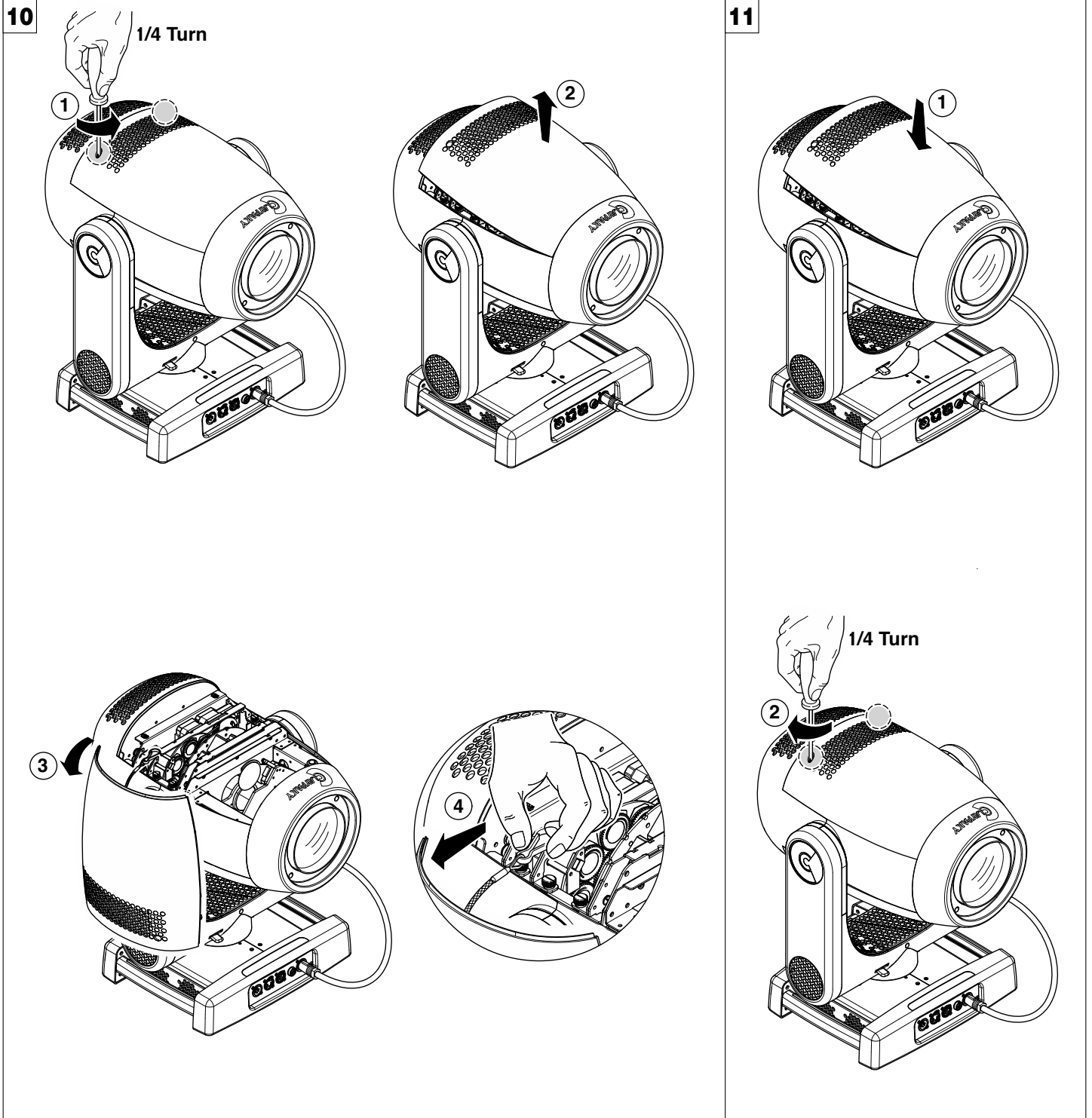
- 1) Press LEFT  once – "Main Menu" appears on the display.
- 2) Use the UP  and DOWN  keys to select the menu to be used:
 - Setup (Setup Menu): To set the setting options.
 - Option (Option Menu): To set the operating options
 - Informations (Informations Menu): To read the counters, software version and other information.
 - Manual Control (Manual control Menu): To trigger the test and manual control functions.
 - Test (Test Menu): To check the proper functioning 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 RIGHT  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



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.

4.2 Periodical cleaning

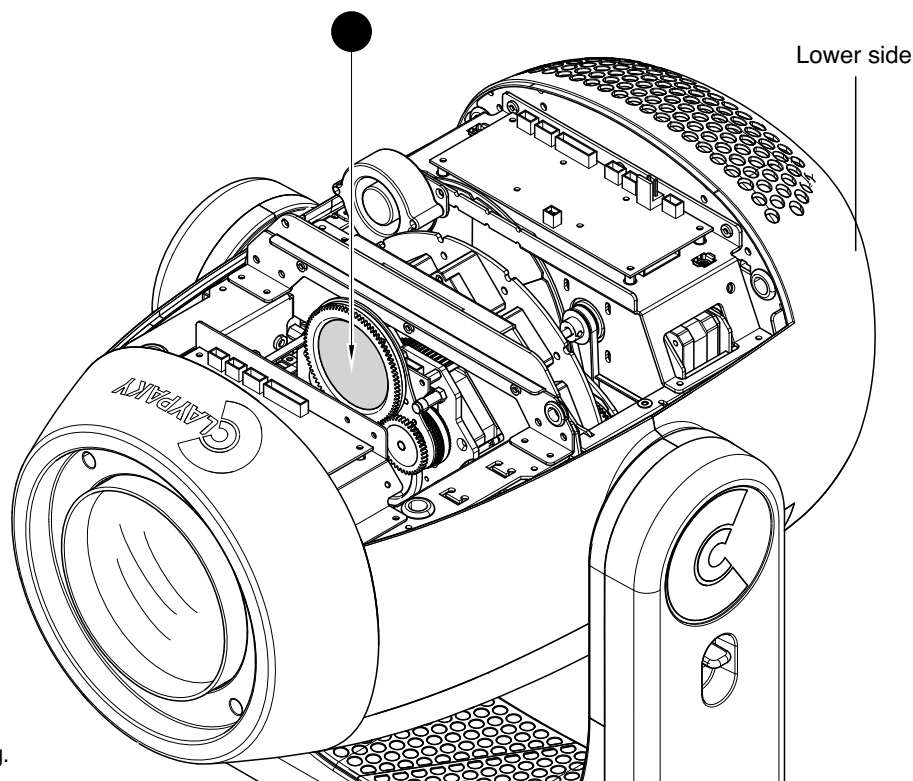
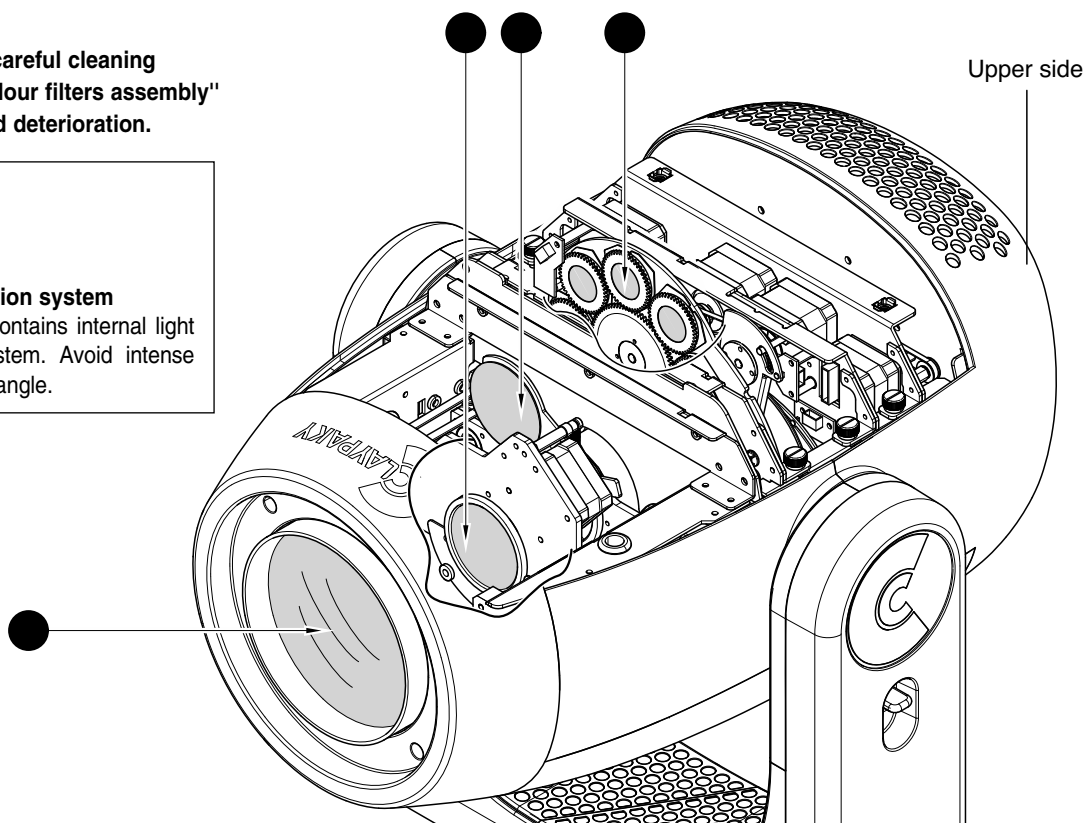
12

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.



● Parts requiring frequent cleaning.

Periodical cleaning - Fig. 12

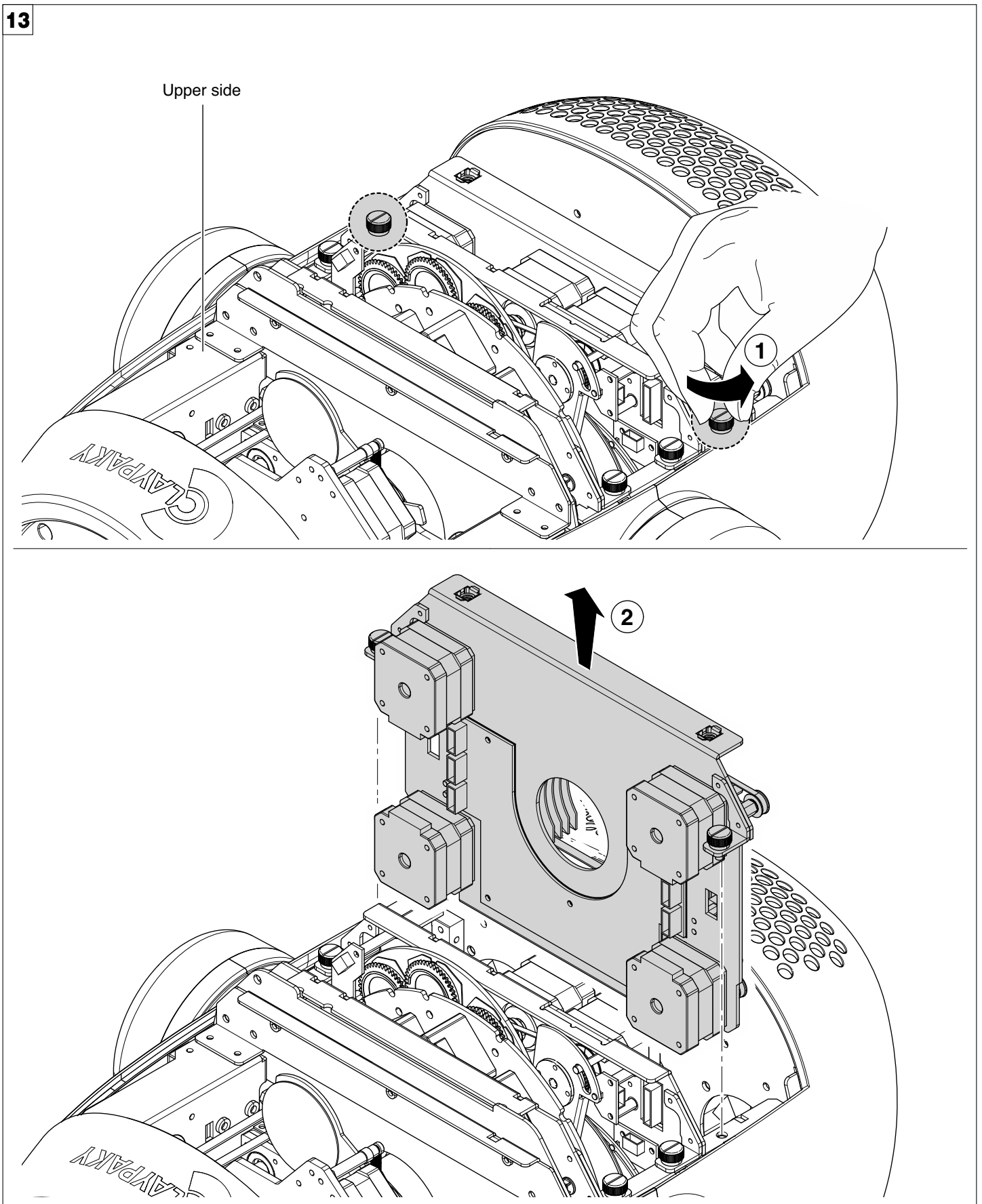
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the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



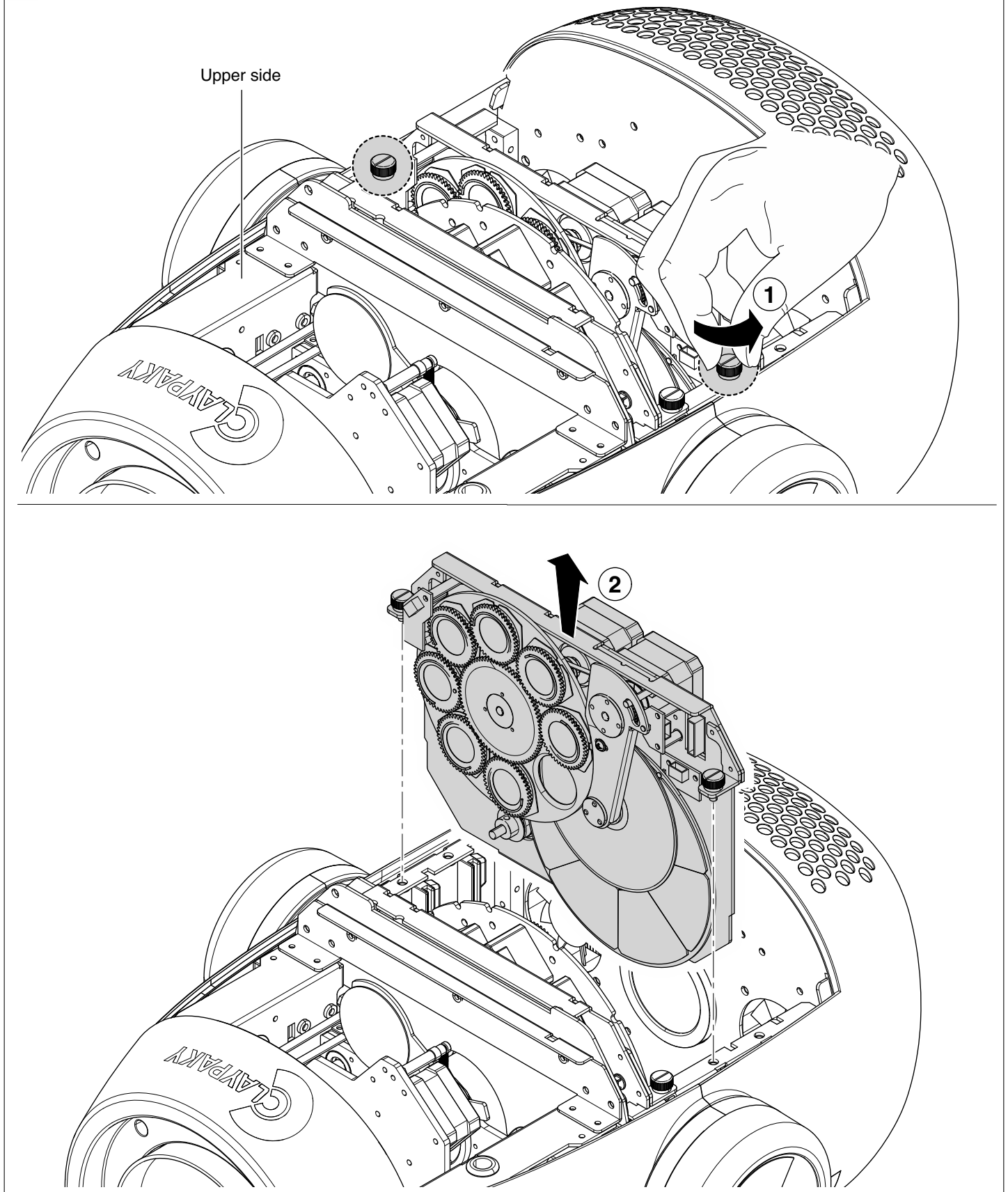
Extraction of the effect modules - Fig. 13.

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. 13, 14 and 15 in reverse order.

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.



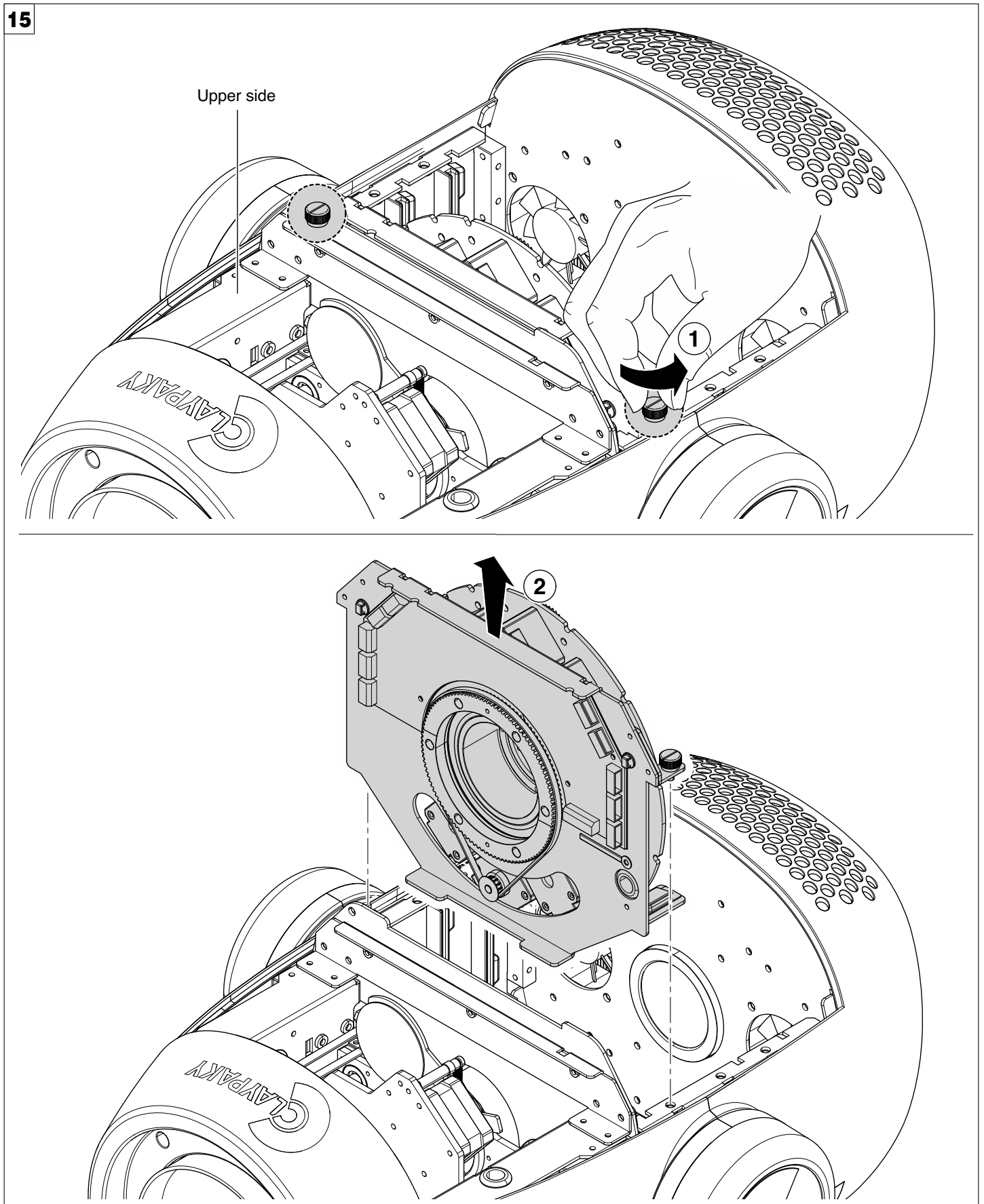
Extraction of the effect modules - Fig. 14.

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. 13, 14 and 15 in reverse order.

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.



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. 13, 14 and 15 in reverse order.

NOTE:

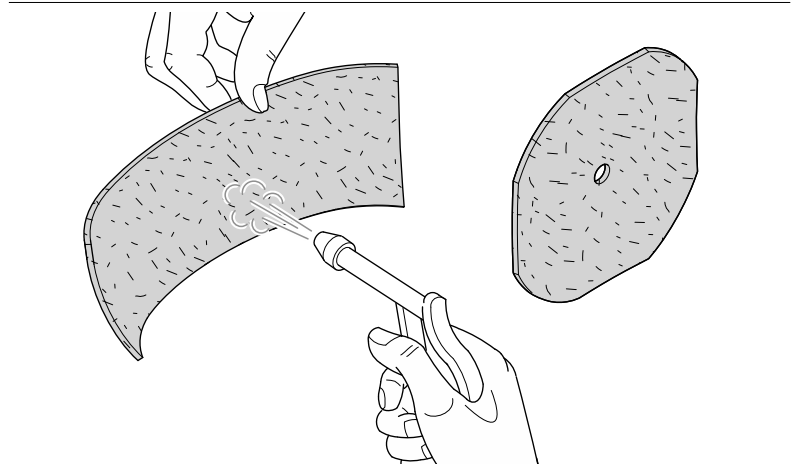
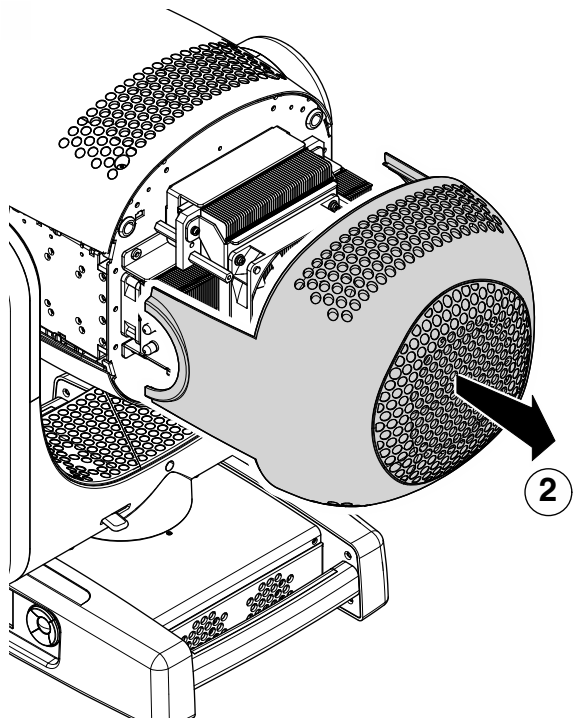
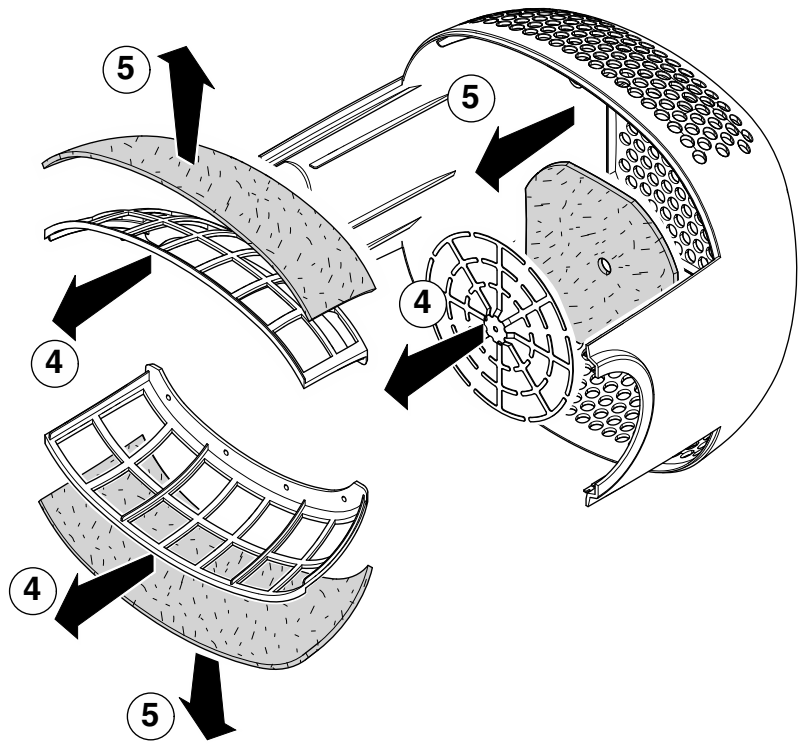
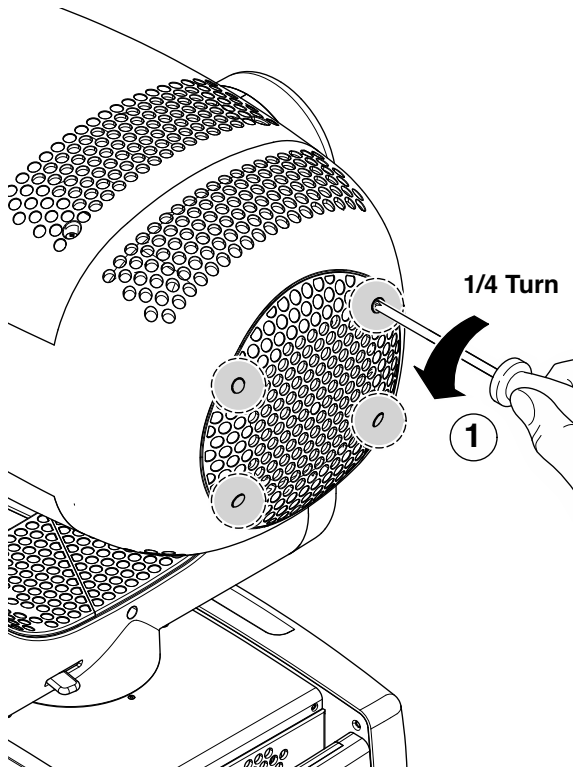
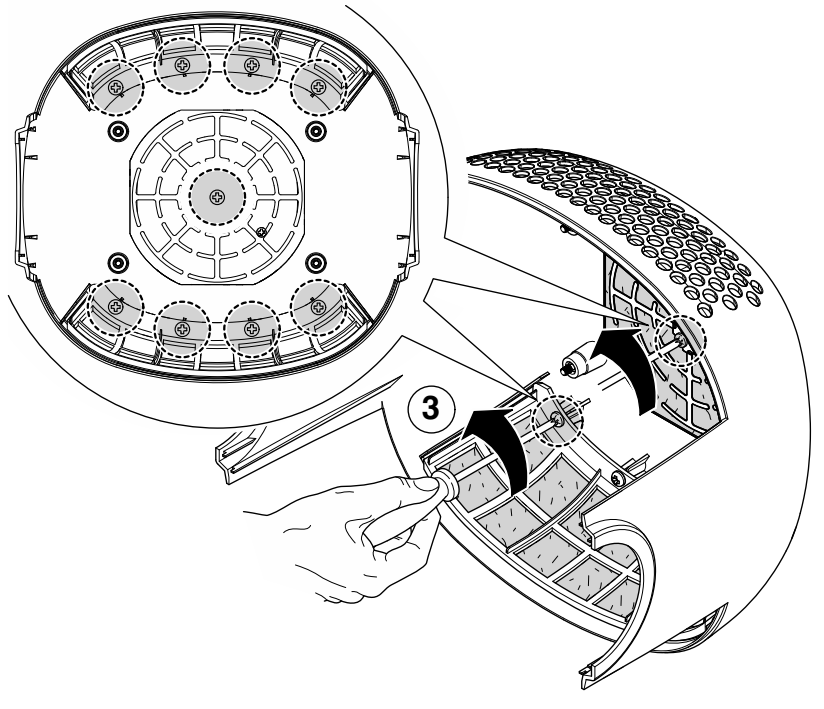
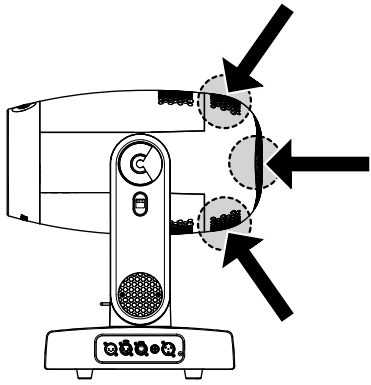
- Do not disconnect wiring harnesses when the fixtures is switched-on, to avoid to damage electronic boards.
- Do not switch-on the fixtures with wiring harness disconnected.

4.4 - Cleaning of the filters

16

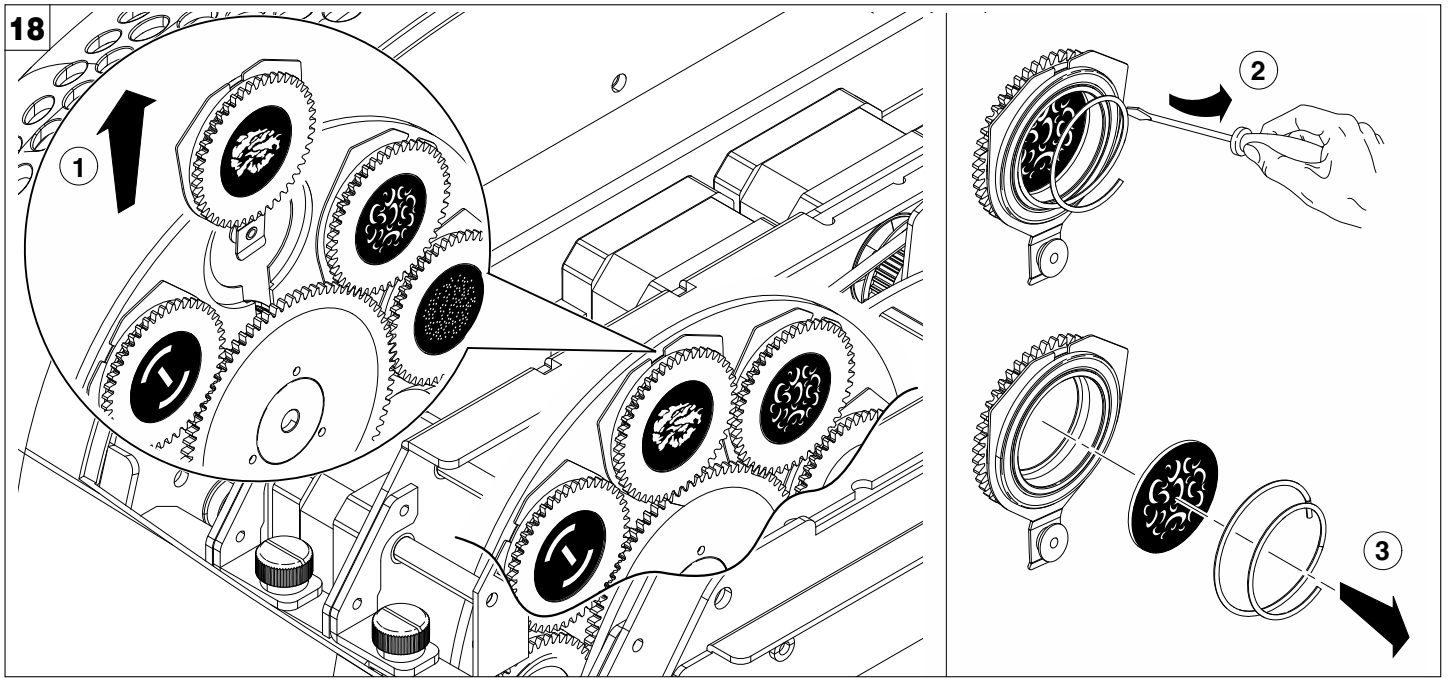


Cleaning of the filters - Fig. 16.

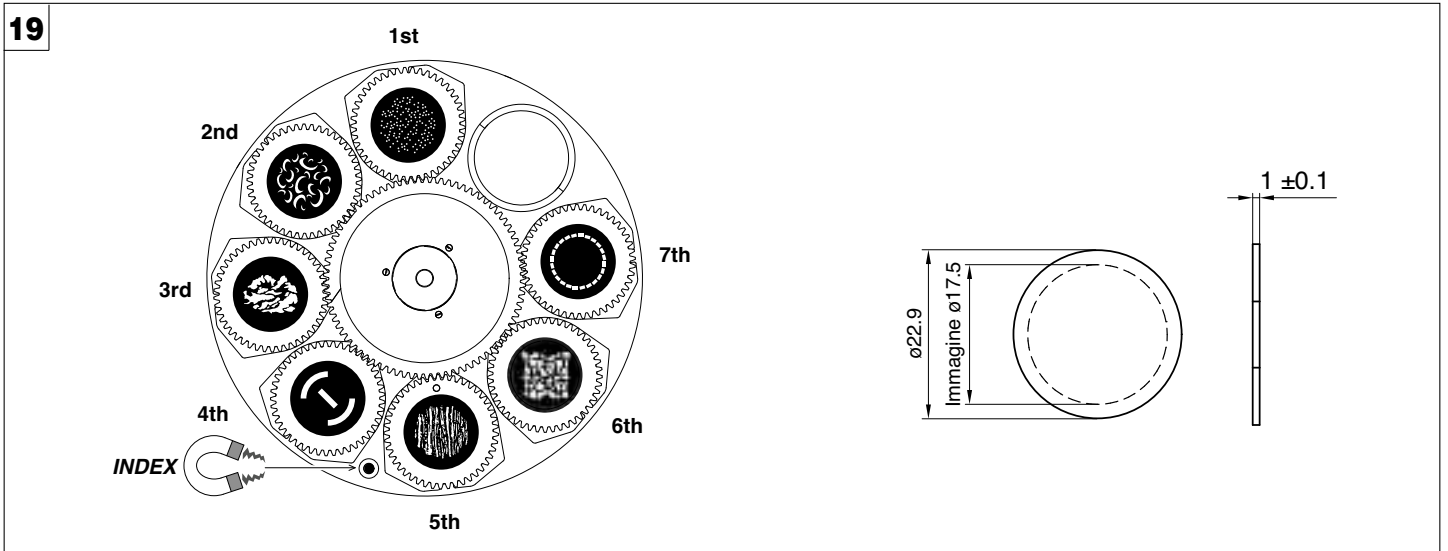


Cleaning of the filters - Fig. 17.

4.5 - Rotating gobos

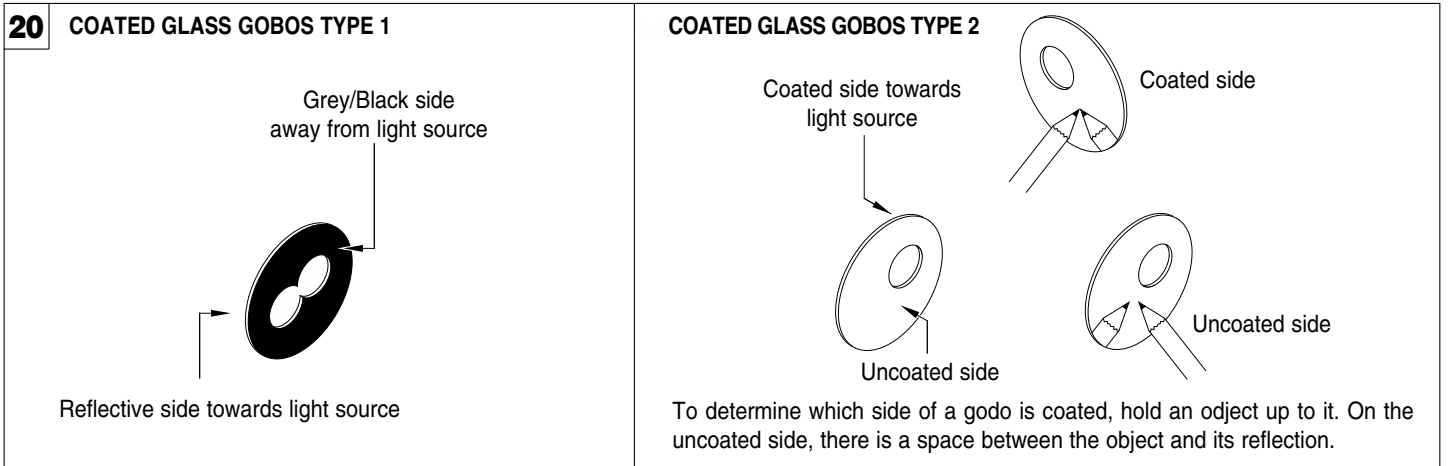


Bearing group replacement - Fig. 18



Replacing rotating gobos - Fig. 19

- 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);
- For more information contact Claypaky;

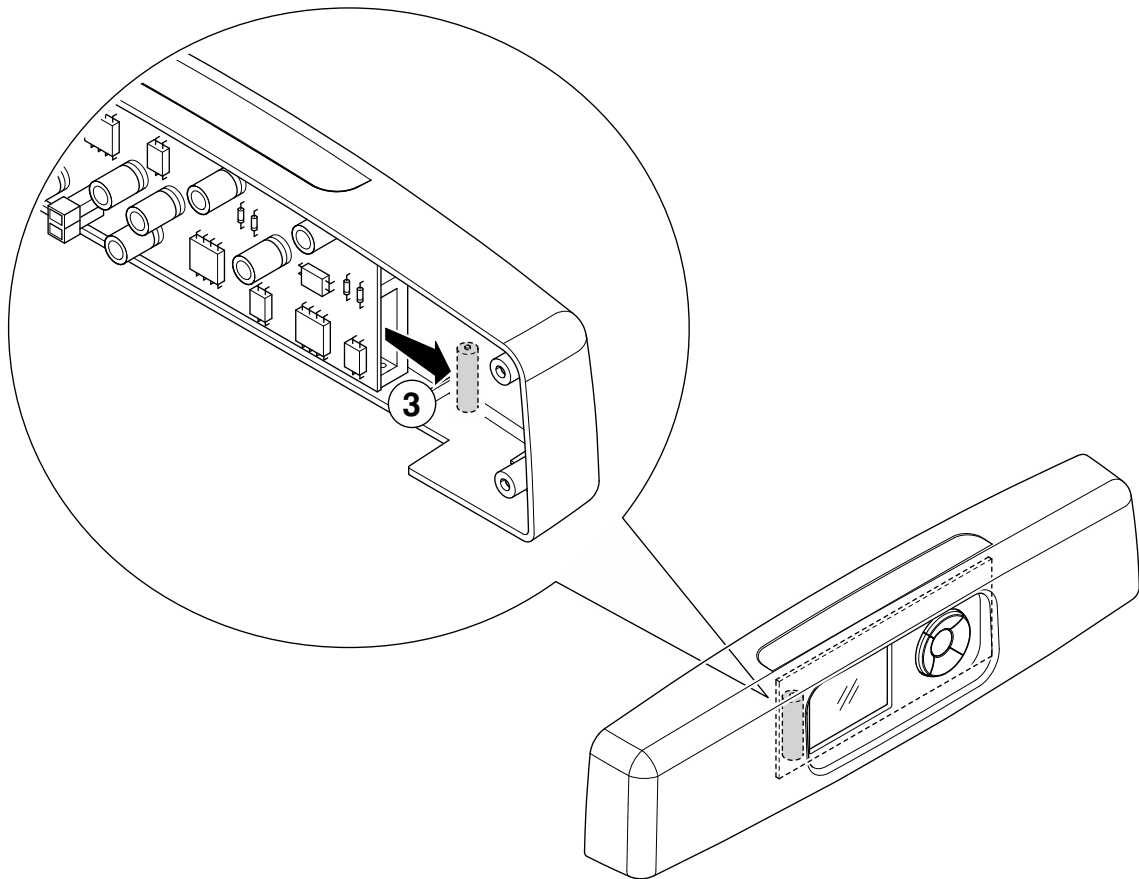
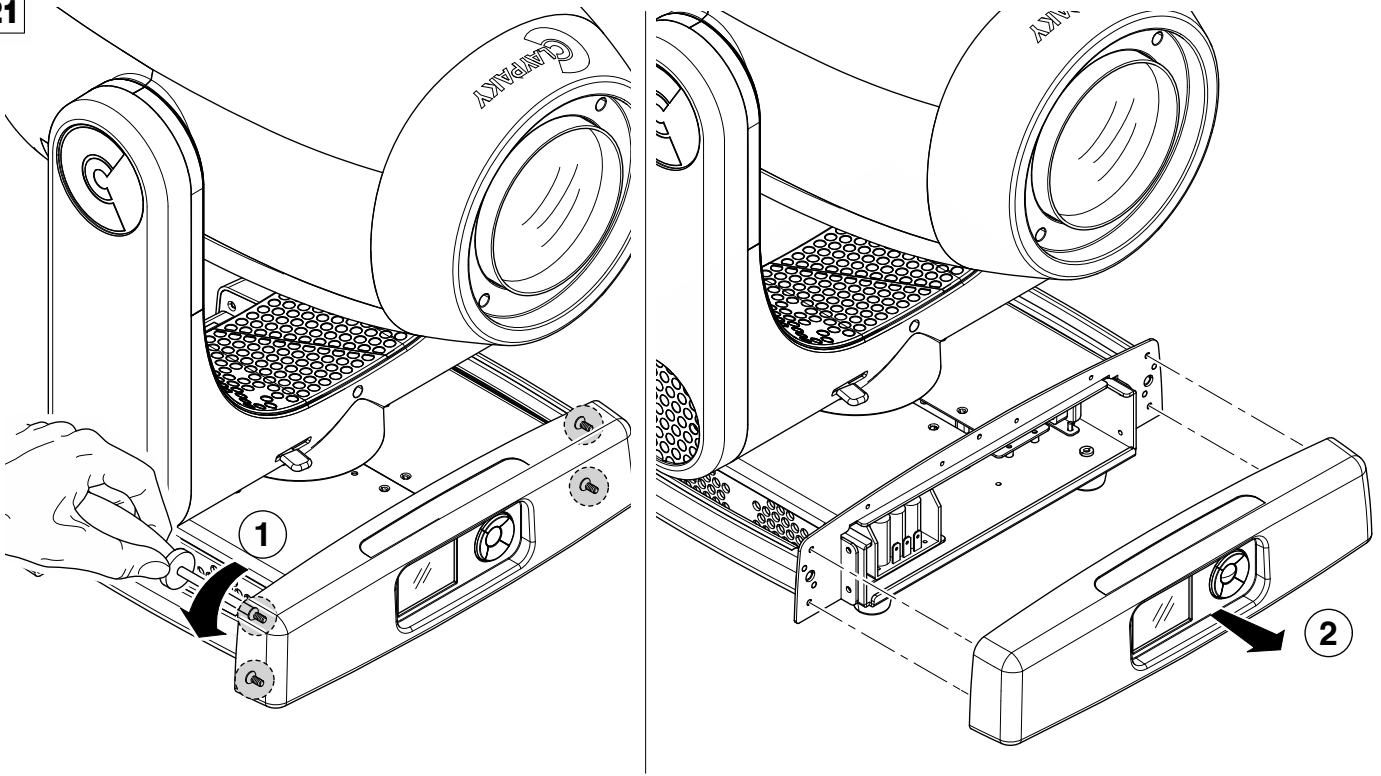


Gobo orientation - Fig. 20

The pictures shown the correct gobos orientation.

4.6 Battery removal

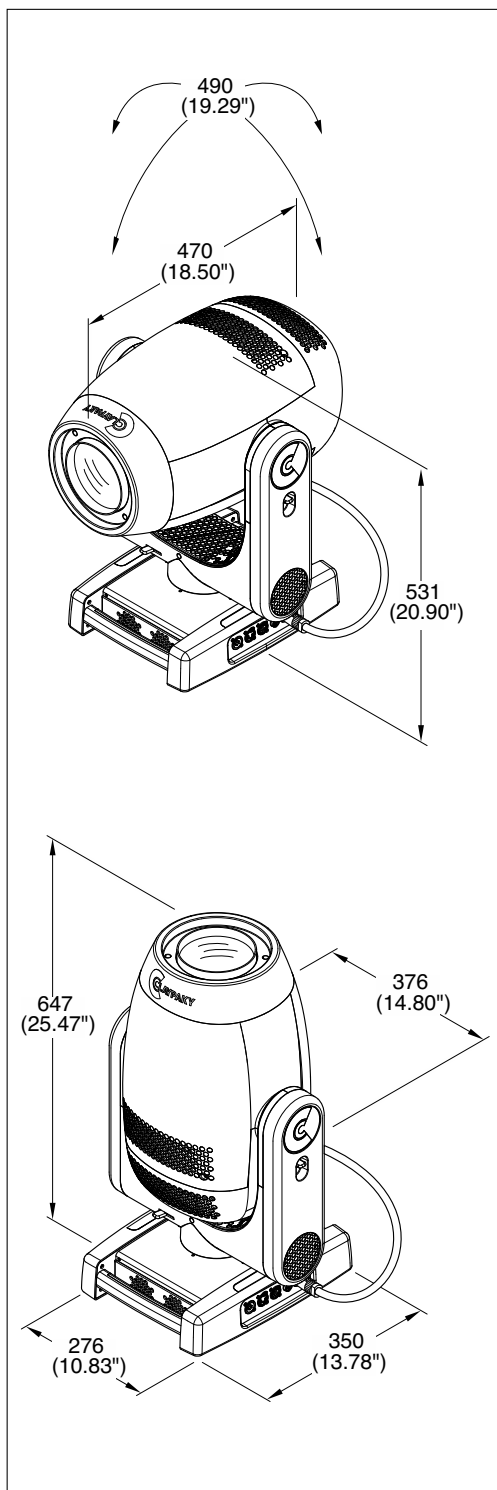
21



Battery removal - Fig. 21

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 Neutrik PowerCON True
100-240V, 50/60 Hz

INPUT POWER

500 VA @230Vac - 50Hz

LIGHT SOURCE

Source: 300W White LED Module
Versions available:
- CRI: at least 70, CT 6500K (Axcor Profile 400)
- CRI: at least 90, CT 5600K (Axcor Profile 400 HC)

OPTICS

Ø 120mm front lens
5°-43° linear Zoom

COLOR SYSTEM

CMY + Linear CTO
One Color Wheel with 6 Colors

FRAMING SYSTEM

Framing System with 4 focal planes
4 Blades that move separately
Smooth, flexible blade movements
at variable speed
90° rotation of the entire system,
at variable speed

EFFECTS SECTION

One Rotating Gobo Wheel with 7
Interchangeable Gobos
Rotating 4-facet prism ndexable on 540°
Animation wheel
Mechanical Iris
Variable Frost filter
16-bit Electronic Dimmer with 4 curves
Electronic strobe @25 f/sec.

CONTROL AND PROGRAMMING

36 control channels
inputs: DMX 512 – Art-Net
Control signal USITT DMX 512
Protocols RDM, WebServer and Art-Net
Display Graphic LCD backlit b/w Display
Pan/Tilt Resolution 16 bit
Gobo Resolution 16 bit
Dimmer Resolution 16 bit
DMX signal connection 5 poles XLR input and
output

BODY

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

MOVING BODY

PAN range 540°
TILT range 270°

ELECTRONICS

Long life self-charging buffer battery.
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.
Protocols/Functions: RDM, Web Server

SAFETY DEVICES

Bipolar circuit breaker with thermal protection.
Automatic break in power supply in case
of overheating.
Forced ventilation with axial fans.
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).

WORKING POSITION

Working position: Any.
Hanging system 2x fast-lock omega clamps
(1/4 turn) on thebase.
Optional: 48-51mm, max300Kg clamps;
Ø 4mm, lenght
680mm safety cable

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)

WEIGHT

about 27 Kg (59.5 lbs)

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.
●	●	LED engine defective.	Replace LED engine.
●		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 broken	Call an authorised technician.
	●	Dust or grease deposited.	Clean (see instructions).