



AN OSRAM BUSINESS

ALPHA PROFILE 700

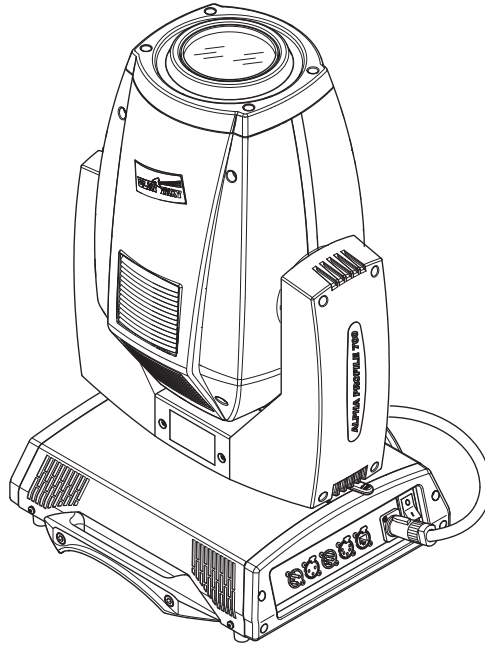
C 61365

ALPHA PROFILE 700 "ST "

C 61366

INSTRUCTION MANUAL

Supplied by:

Melbourne
03 9701 2500
Sydney
02 9737 8988
info@lightmoves.com.au www.lightmoves.com.au


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Congratulations on choosing a Clay Paky product!

We thank you for your custom.

Please note that this product, as all the others in the rich Clay Paky range, has been designed and made 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 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 other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this instruction manual, which must always accompany the fitting.

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

SAFETY INFORMATION

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: [FIS00U – Safety Information Alpha 700 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: [FIS00U – Safety Information Alpha 700 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: [FIS00U – Safety Information Alpha 700 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: [FIS00U – Safety Information Alpha 700 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. : [FIS00U – Safety Information Alpha 700 series]

RU

ИНСТРУКЦИЮ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ

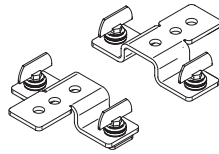
ВАЖНО: Clay Paky рекомендует внимательно прочитать и сохранить инструкцию по технике безопасности данного изделия, которая всегда доступна в электронном формате по следующей ссылке:

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

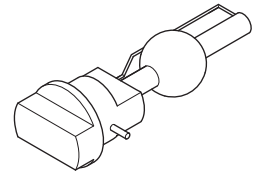
Наименование: [FIS00U – Safety Information Alpha 700 series]

UNPACKING AND PREPARATION

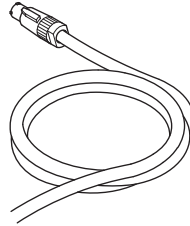
1



2 x 183102/805

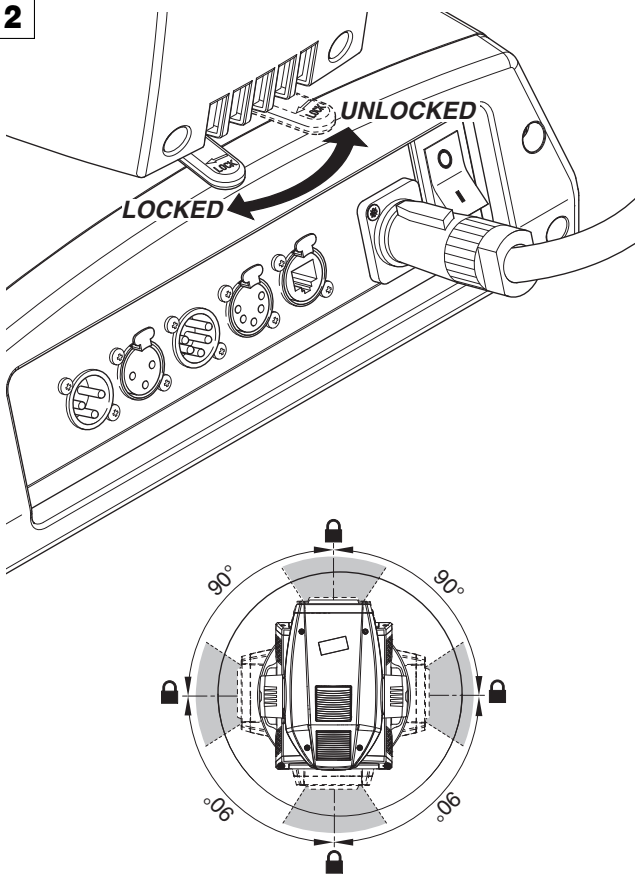


Lamp 700W
(fitted into projector)



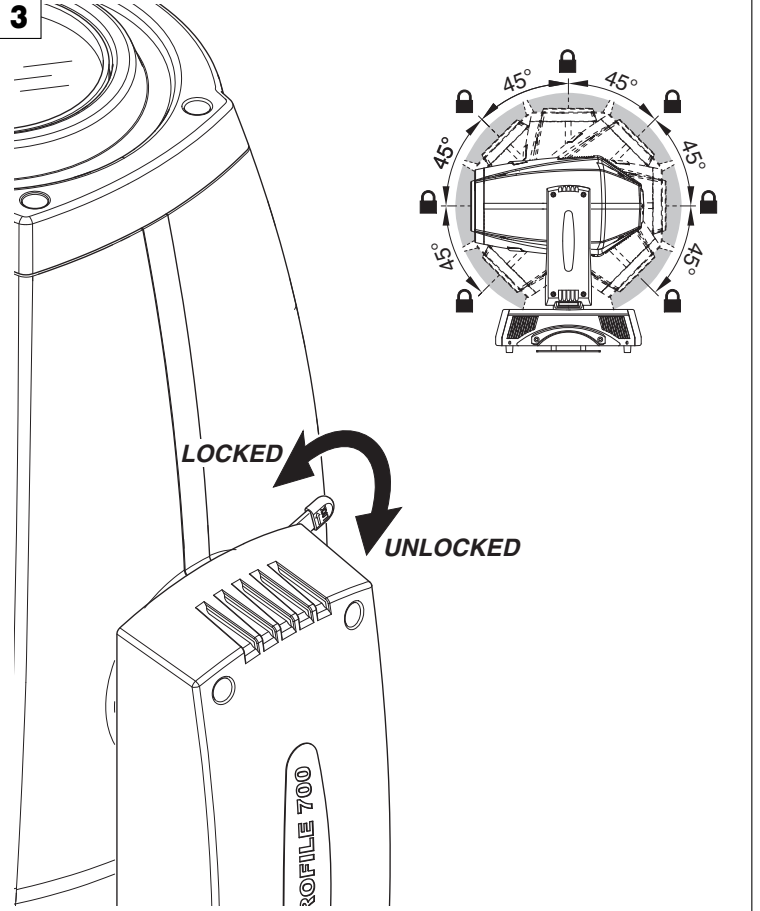
Packing contents - Fig. 1

2



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

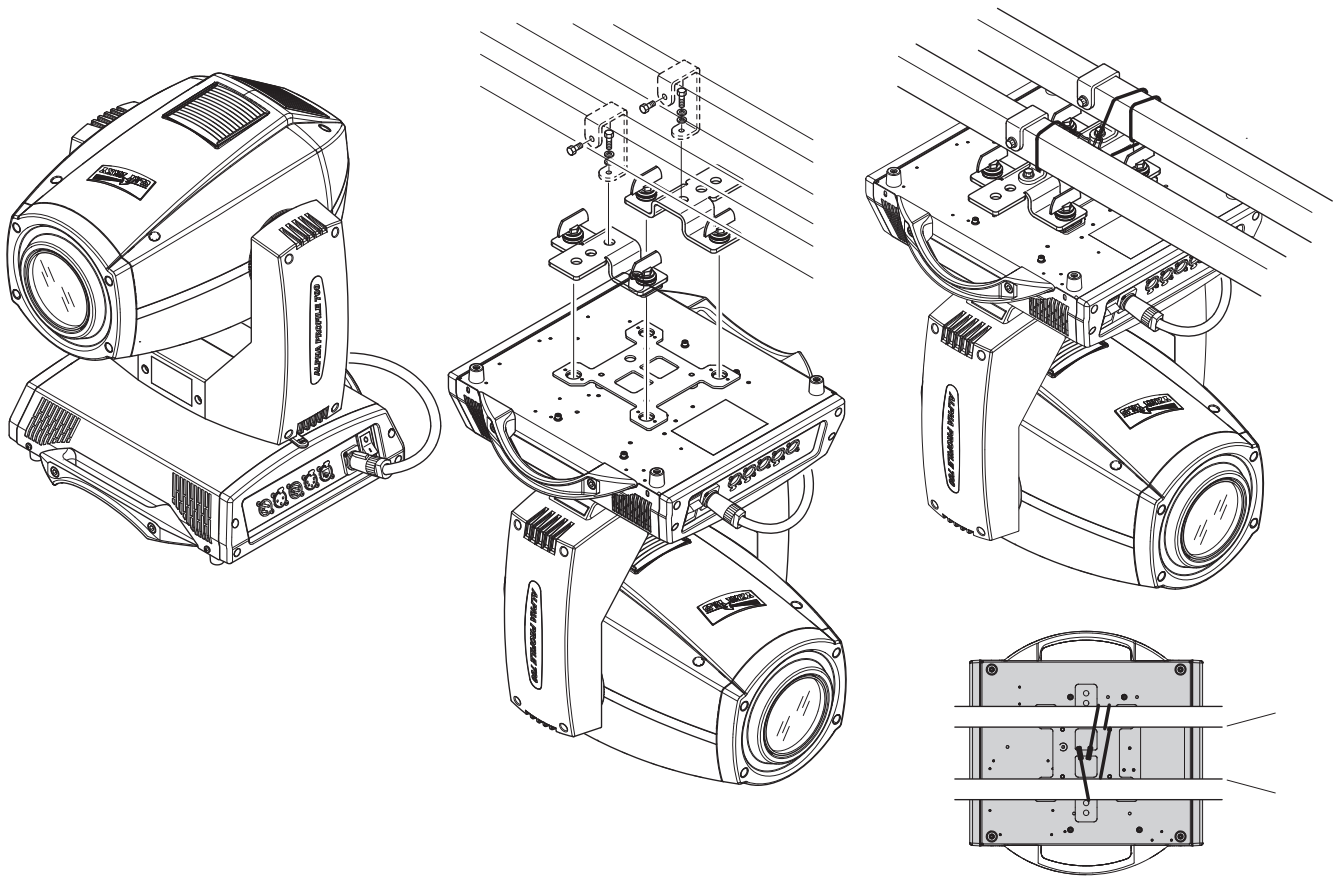
3



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

INSTALLATION AND START-UP

4

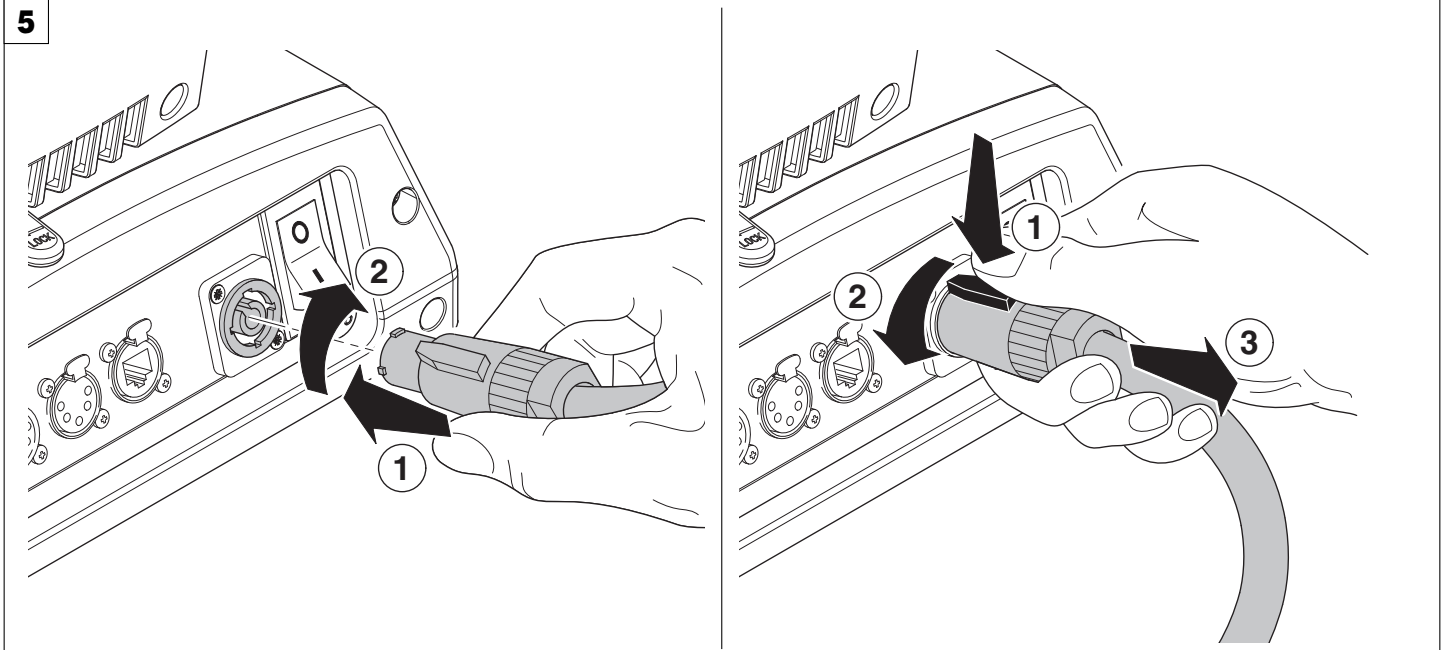


Installing the projector - Fig. 4

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

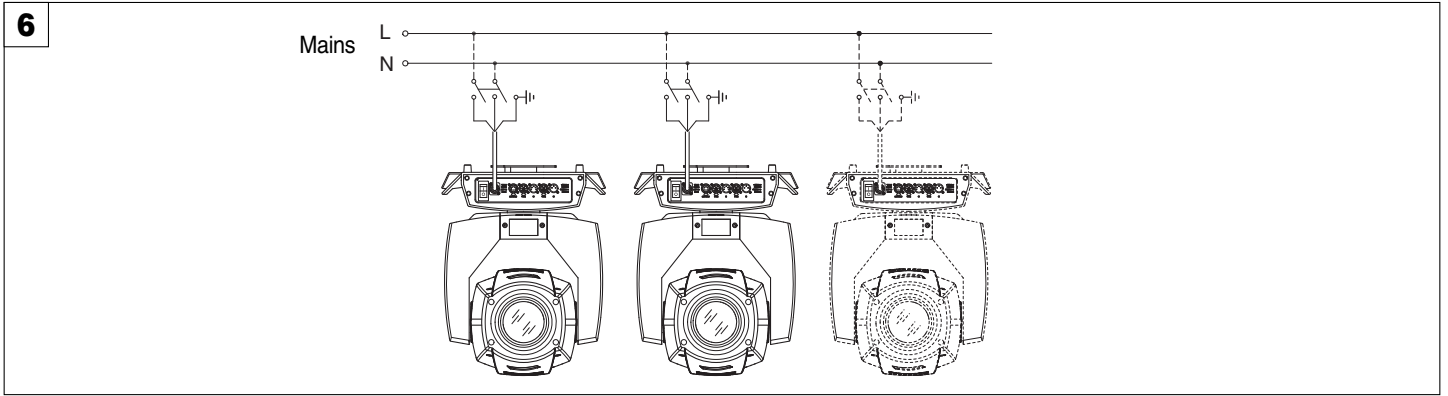
WARNING: with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

5

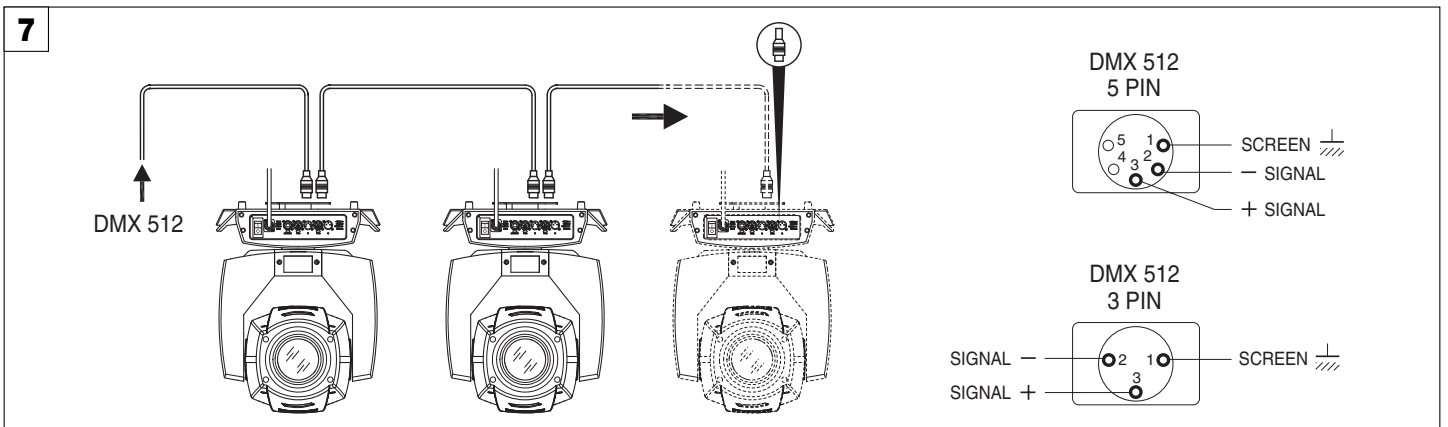


Connecting and disconnecting power cable - Fig. 5

CONTROL PANEL



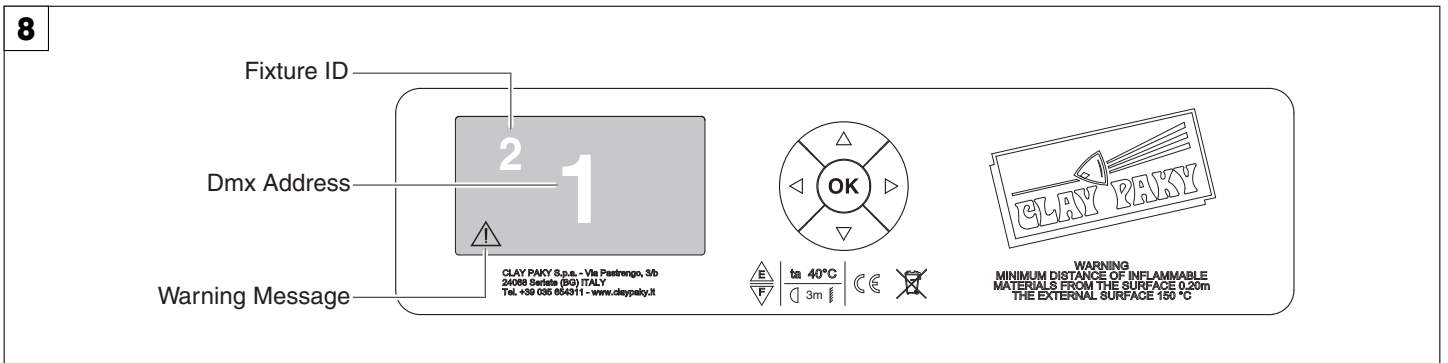
Connecting to the mains supply - Fig. 6



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 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.



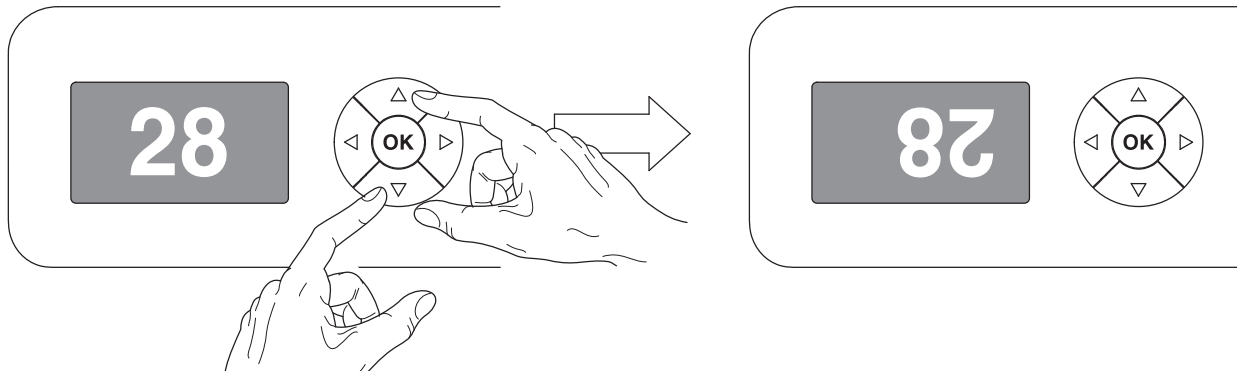
Switching on the projector - Fig. 8

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



	Model Alpha PROFILE 700	Firmware Version X.X.X Date - Hour	xxx (Fixture ID) Dmx Address xxx	System errors E: W:
--	--	---	---	--

On conclusion of resetting in case of absence of 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 **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).

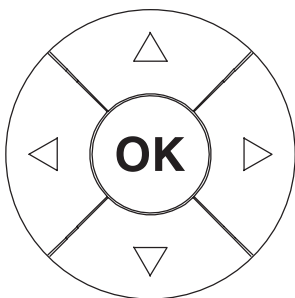
The address can also be set with the projector switched off.

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.



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



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









Return to the top level




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

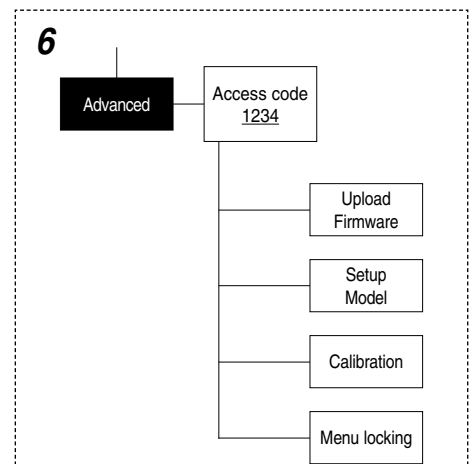
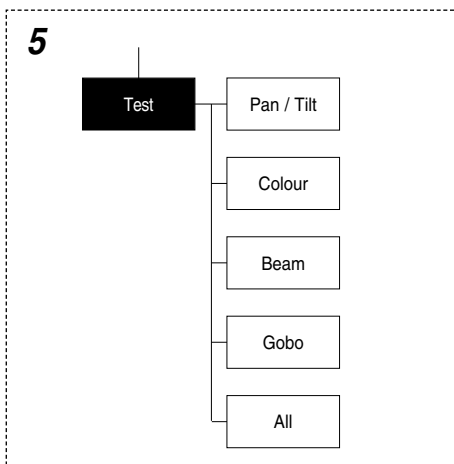
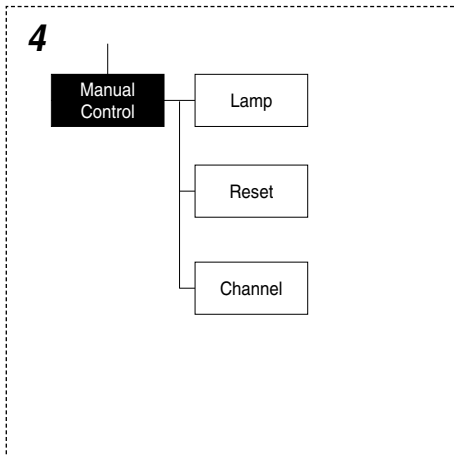
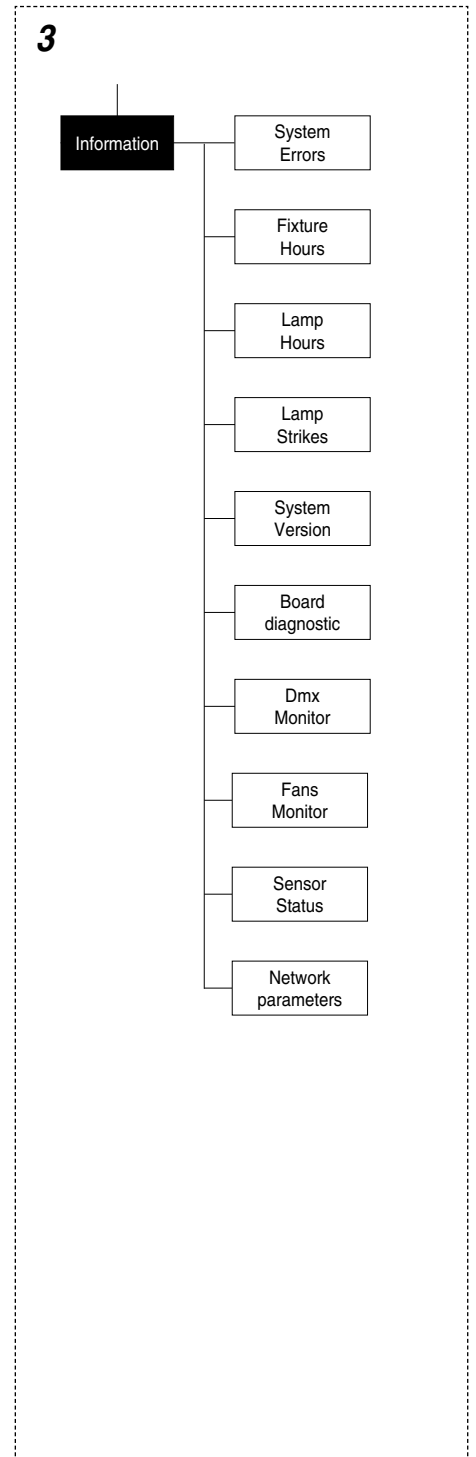
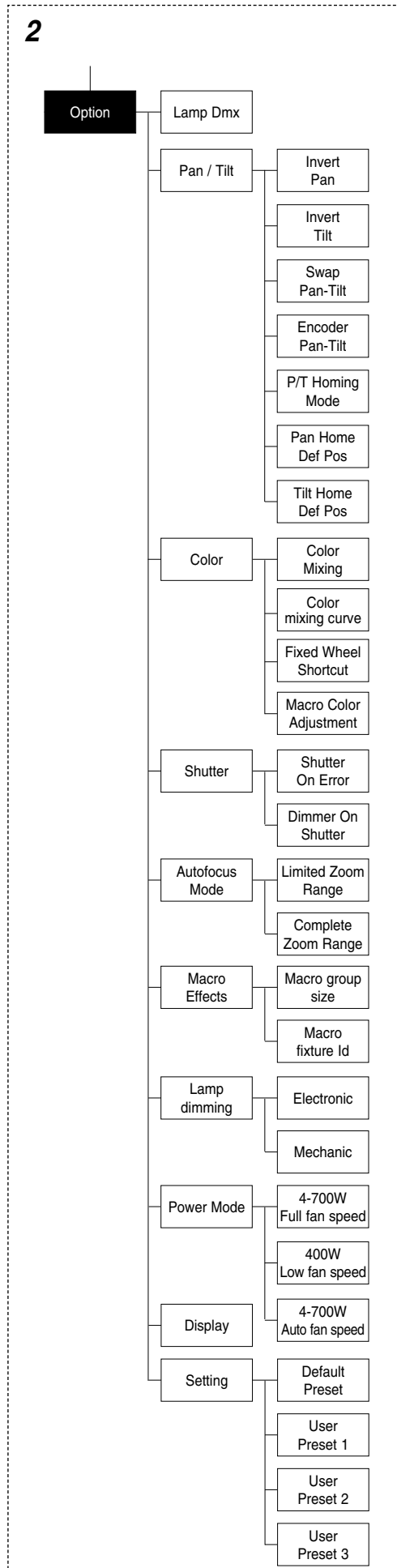
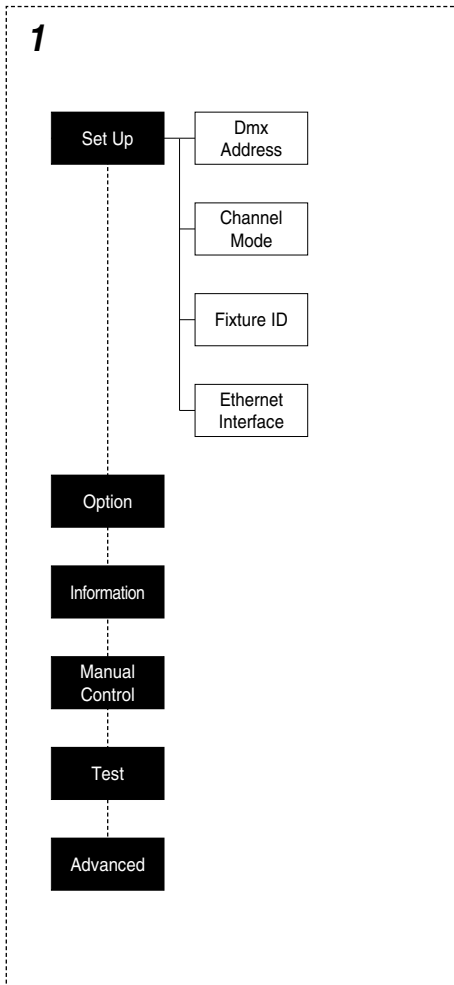
USING THE MENU:

- 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 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.

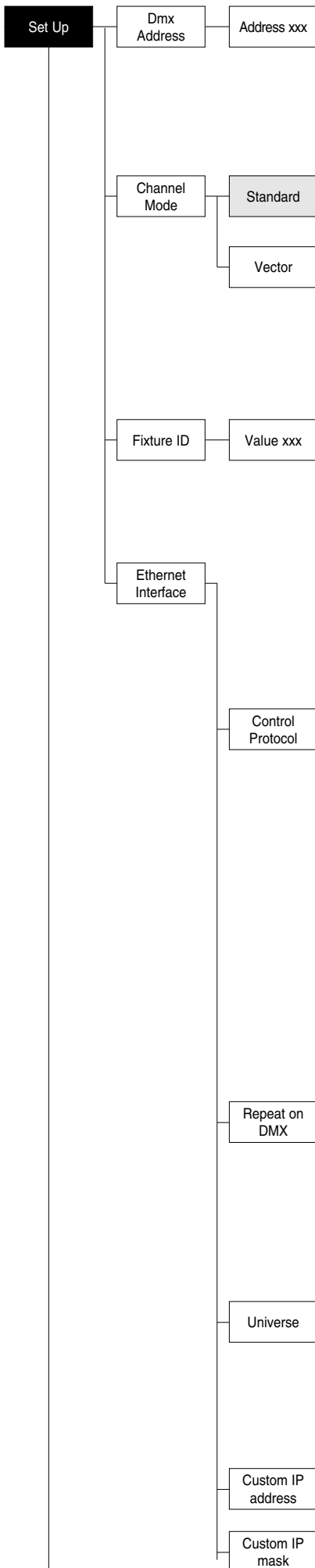
Setting addresses and options with the projector disconnected

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  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.

MENU SETTING



NOTE: On grey the default options



SET UP MENU

DMX ADDRESS

NOTE: without the DMX signal the Address (XXX) flashing

Allows you to select the DMX ADDRESS

- 1) Press **OK** - the current DMX Address appear on the display.
- 2) Use the UP **▲**, DOWN **▼**, RIGHT **▶** keys to plan the DMX Address.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

CHANNEL MODE

Allows you to select a channel arrangement from the two available.

- 1) Press **OK** - the current settings appear on the display (Standard or Vector).
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - **Standard**
 - **Vector**
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

FIXTURE ID

Allows you to select the FIXTURE ID

- 1) Press **OK** - the current Fixture ID appear on the display.
- 2) Use the UP **▲**, DOWN **▼**, RIGHT **▶** keys to plan the Fixture ID.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

ETHERNET INTERFACE

It lets you set the Ethernet settings to be attributed to the projector.

- 1) Premere **OK**.
- 2) Use the UP **▲** and DOWN **▼** keys to select the “Ethernet Interface” options to set:

Control Protocol

It lets you select the “Control Protocol” Art-net to assign according to the control unit used:

- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - Disabled
 - Art-net on IP 2
 - Art-net on IP 10
 - Art-net Custom IP
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting. If the **Control Protocol** option is set on **Disabled**, when an **IP address (IP2, IP10 or IP Custom)** is selected, the projector immediately initializes the **IP** address that was just selected. If the **Control Protocol** option is enabled (**IP2, IP10 or IP Custom**) and a new one is selected that is different from the previous one, the projector must be restarted so that it will be correctly initialized.

Repeat on DMX

It lets you enable the transmission of the Ethernet protocol by DMX signal to all the connected projectors.

- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - **Disabled**: DMX transmission disabled.
 - **Enabled on primary**: DMX transmission enabled.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

Universe

It lets you assign the “Universe” number to be assigned to a series of projectors.

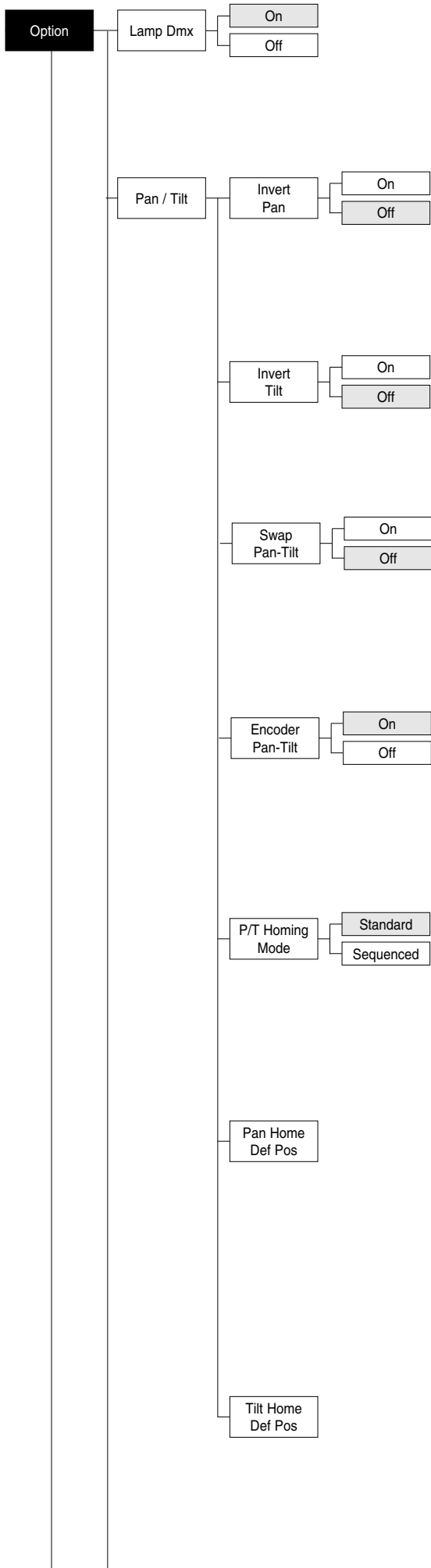
- 1) Press **OK** – the current Universe address appears on the display.
- 2) Use the UP **▲**, DOWN **▼**, RIGHT **▶** keys to set the Universe address.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

Custom IP address

Allows you to set the **IP address** manually by the user default.

Custom IP mask

Allows you to set manually the **Subnet Mask** by the user default.



OPTIONS MENU

LAMP DMX

Used for enabling lamp remote control channel.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) the lamp remote control channel.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

PAN / TILT

Invert pan

Used for reversing Pan movement.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) PAN inversion.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

Invert tilt

Used for reversing tilt movement.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) Tilt inversion.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

Swap Pan-Tilt

Used for swapping Pan and Tilt channels (as well as Pan fine and Tilt fine).

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) Pan and Tilt channel swap.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

Encoder Pan-Tilt

Used for enabling the Pan / Tilt encoders.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) Pan / Tilt encoders.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

You can quickly disable the Pan and Tilt Encoder by simultaneously pressing the UP **▲ and DOWN **▼** keys in the "Main Menu".**

P/T Homing Mode

Lets you set the initial projector Reset mode.

- 1) Press **OK**, the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - Standard:** Pan & Tilt are simultaneously reset.
 - Sequenced:** Tilt is reset first followed by Pan.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

Pan Home Def Pos

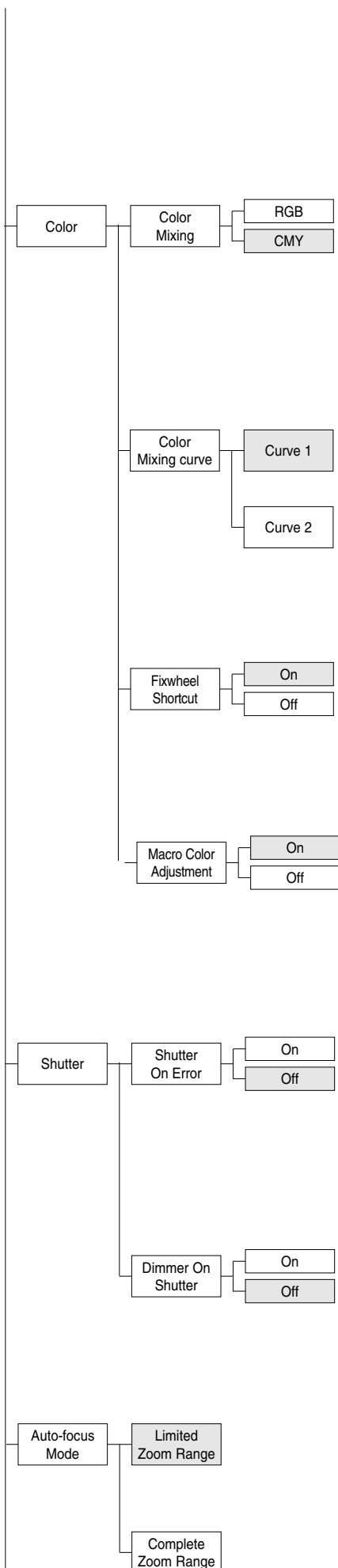
Lets you assign the Pan channel "home" position at the end of Reset, without a DMX input signal.

- 1) Press **OK**, the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - 0 degree**
 - 90 degrees**
 - 180 degrees**
 - 270 degrees (default)**
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

Tilt Home Def Pos

Lets you assign the Tilt channel "home" position at the end of Reset, without a DMX input signal.

- 1) Press **OK**, the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - 0%**
 - 12.5%**



- 25%
- 50% (default)
- 75%
- 87.5%
- 100%

- 3) Press **OK** to confirm the selection or LEFT **←** to keep the current setting.

COLOR

Color mixing

Used for reversing the CMY color mixing system.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys select one of the following settings:
 - RGB color mixing mode
 - CMY color mixing mode
- 3) Press **OK** to confirm the selection or LEFT **←** to keep current settings.

Color mixing curve

It lets you select the “Color mixing curve” from the two available.

- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - Curve 1**
 - Curve 2**
- 3) Press **OK** to confirm the selection or LEFT **←** to keep the current setting.

Fixed wheel short-cut

Used for optimizing color change time so that the disc turns in the direction that requires shorter movement.

- 1) Press **OK** – the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) color change optimization.
- 3) Press **OK** to confirm the selection, or LEFT **←** to keep current settings.

Macro color adjustment

It lets you enable the overwriting of a “Macro Colour” with the Cyan, Magenta, Yellow, CTO and Colour wheel channels.

Press **OK** the current setting appears on the display.

- 1) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) the overwriting.
- 2) Press **OK** to confirm the selection, or LEFT **←** to keep current settings.

SHUTTER

Shutter on error

Used for automatically closing the stop/strobe in the event of Pan/Tilt position error.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) automatic stop/strobe closing in the event of Pan/Tilt position error.
- 3) Press **OK** to confirm the selection, or LEFT **←** to keep current settings.

Dimmer on Shutter

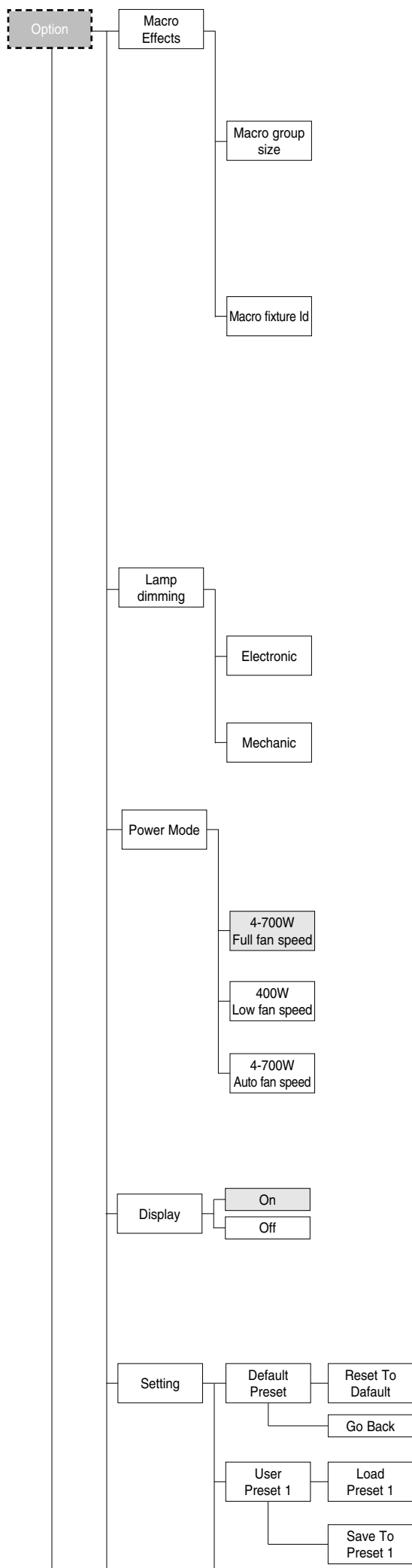
Enables automatic closing of the dimmer when the strobe is completely closed.

- 1) Press **OK** – the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) the automatic closing of the dimmer.
- 3) Press **OK** to confirm the selection or LEFT **←** to keep current

AUTO-FOCUS MODE

It lets you select the “Auto-focus Mode” from the two available.

- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - Limited Zoom Range:** The “Autofocus” works only in the optical run that was specifically designed for the projector in question.
 - Complete Zoom Range:** The “Autofocus” also works in overrun
- 3) Press **OK** to confirm the selection or LEFT **←** to keep the current setting.



MACRO EFFECTS

It lets you select the “Macro Effects” set up from the two available.

- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:

Macro group size

It lets you set the number of projectors to be included in the macro mode operation.

- 1) Press **OK**
- 2) Use the UP **▲**, DOWN **▼**, RIGHT keys to set the number of projectors to be included in the “Macro Effect” operation.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

Macro fixture Id

It lets you attribute an ID address to the projector for the phase displacement for the scene’s starting time in Macro mode.

- 1) Press **OK**
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - Fixed to X.** (to assign to all the projectors to be included in the Macro operation).
 - Auto by DMX Address:** According to the DMX address, it automatically detects the starting sequence of the scene in the Macro mode (to assign to all the projectors to be included in the Macro operation).
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.

LAMP DIMMING

This lets you select the lamp “dimmer” mode, selecting one of the two available modes:

- **Electronic:** Default setting, the lamp is electronically “dimmed” from 100% to 80% and mechanically for the rest of the range. Visually, the Dimmer curve is high performance but a slight flicker could be noted in some Dimmer channel positions.
- **Mechanic:** The lamp is totally mechanically dimmed, only when the Dimmer is fully closed does the lamp operate at half power. No lamp flicker is visible when this option is selected.

POWER MODE

Allows you to select a Power Mode from the three available.

- 1) Press **OK** - the current settings appear on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
 - **4-700W Full fan speed:** Lamp can change from full-power (700W) to half-power (400W) using the LAMP CONTROL channel. Fans always work at Full speed.
 - **400W Low fan speed:** Lamp constantly works in half-power mode (400W) while the Fan always works at Low speed. With LAMP CONTROL channel you can only switch the lamp ON and OFF.
 - **4-700W Auto fan speed:** Lamp can change from full-power (700W) to half-power (400W) using the LAMP CONTROL channel. Automatically the fans switch from Full speed to Low speed respectively.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current setting.

DISPLAY

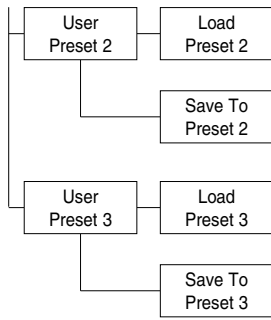
Used for automatically reduce brightness on the display after about 30 seconds in idle.

- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) the decreasing of display brightness.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep current settings.

SETTING

Used to save 3 different settings of the items in the options menu and relative submenus.

- 1) Press **OK** - “Default preset” appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following configurations:
 - Default preset (*)
 - User preset 1
 - User preset 2
 - User Preset 3



- 3) Press **OK** - "Load preset X" appears on the display.
- 4) Use the UP **▲** and DOWN **▼** keys to select:
 - Load preset X to recall a previously stored configuration.
 - Save to preset X to store the current configuration.
 a confirmation message (Are you sure?) appears on the display.
- 5) Select YES to confirm the selection or NO to keep the current setting and return to the next higher level.

(*) **DEFAULT PRESET**

By pressing the RIGHT **▶ key and the LEFT **◀** key simultaneously once entered in the "main menu" it is possible to quickly (short cut) reset the default settings (DEFAULT PRESET).**

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

- 1) Press **OK**, a confirmation message (Are you sure?) appears on the display.
- 2) Select YES to confirm the selection or NO to keep current setting.

OPTION	DEFAULT
Lamp DMX	On
Invert Pan	Off
Invert Tilt	Off
Swap Pan-Tilt	Off
Encoder Pan-Tilt	On
P/T Homing mode	Standard
Pan Home Def Pos	270 degrees
Tilt Home Def Pos	50%
Colour mixing	CMY
Color mixing curve	Curve 2
Fixed Wheel Shortcut	On
Maco color adjustment	On
Shutter on Error	Off
Dimmer on Shutter	Off
Auto-Focus Mode	Limited Zoom Range
Lamp Dimming	Electronic
Power Mode	4-700W Full fan speed
Display	On

INFORMATION MENU

SYSTEM ERRORS

Shows a list of warnings and messages relevant to errors occurred since the fixtures switching-on.

- 1) Pressing **OK** you are allowed to reset the SYSTEM ERRORS list.
A confirmation message (Are you sure you want to clear error list ?) appears on the display.
- 2) Select YES to reset the list or NO to go back.

FIXTURE HOURS

Used for displaying projector operating hours (total and partial).

- 1) Press **OK** - Hours total and partial appears on the display.

Total counter

Counts the number of projector working life hours (from manufacture to date).

Partial counter

Counts the number of partial projector working life hours since the last reset to date.

- 2) Press **OK** to reset partial projector working hours a confirmation message (Are you sure?) appears on the display.
- 3) Select YES to reset partial projectors counter or NO to keep the current setting and return to the top menu level.

LAMP HOURS

Used for displaying the lamp working hours (total and partial).

- 1) Press **OK** - Hours total and partial appears on the display.

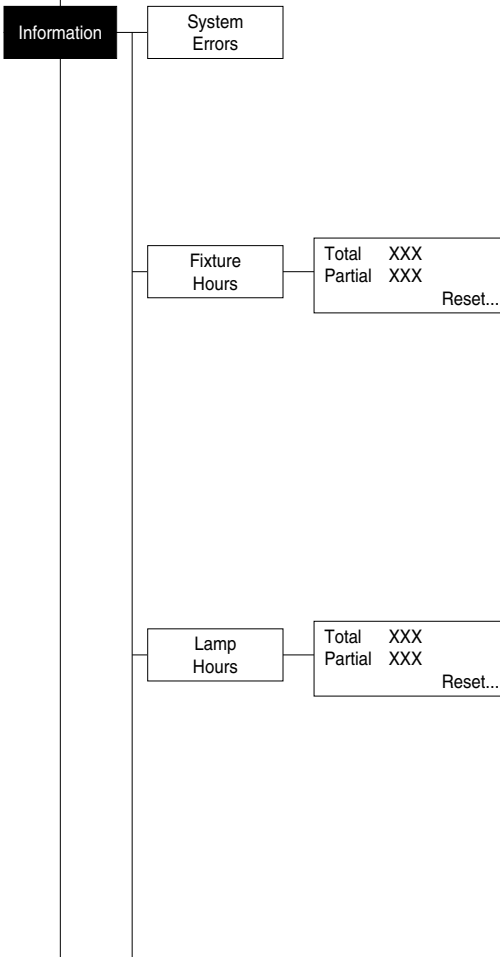
Total counter

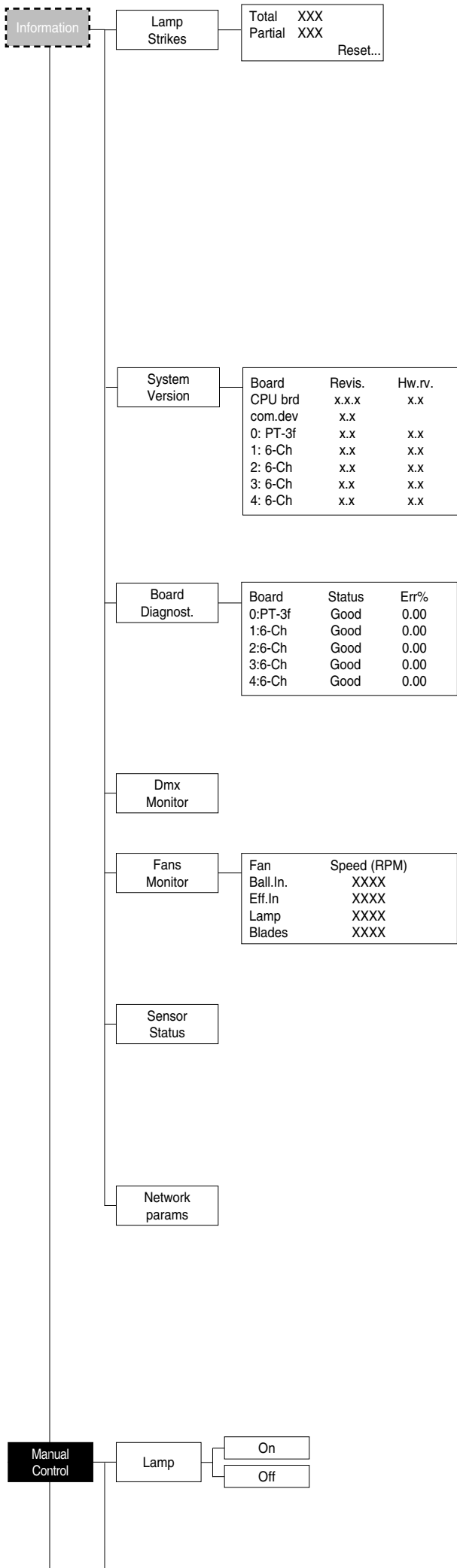
Counts the number of projector working hours with the lamp on (from manufacture to date).

Partial counter

Counts the number of lamp working hours since the last reset to date.

- 2) Press **OK** to reset partial lamp working hours, a confirmation message (Are you sure ?) appears on the display.
- 3) Select YES to reset partial counter or NO to keep the current setting and return to the top menu level





LAMP STRIKES

Used for displaying the number of times the lamp was turned on (total and partial).

- Press **OK** - the number of times the lamp was turned on (total and partial) appears on the display.

Total counter

Counts the number of times the lamp was turned on (from manufacture to date).

Partial counter

Counts the number of times the lamp was turned on since the last reset to date.

- Press **OK** to reset partial lamp strikes hours, a confirmation message (Are you sure ?) appears on the display.
- Select YES to reset partial counter or NO to keep the current setting and return to the top menu level

SISTEM VERSION

Used for displaying the software and hardware version of each board installed in the projector.

CPU brd (CPU board)

0: PT-3f (Pan / Tilt board)

1: 6-Ch (6 channel board)

2: 6-Ch (6 channel board)

3: 6-Ch (6 channel board)

4: 6-Ch (6 channel board)

BOARD DIAGNOSTIC

Used for displaying the status error of each board installed in the projector:

0: PT-3f (Pan / Tilt board)

1: 6-Ch (6 channel board)

2: 6-Ch (6 channel board)

3: 6-Ch (6 channel board)

4: 6-Ch (6 channel board)

DMX MONITOR

Used for displaying the projector DMX channel level in bit (Val) and in percentage (Perc).

FANS MONITOR

Used for displaying the speed of each fan installed in the projector:

Ball. IN (Ballast IN Fan)

Eff.IN (Effects IN Fan)

Lamp (Lamp Fan)

Blades (Blades fan)

SENSOR STATUS

It lets you check the correct operations of each "sensor" installed in the projector, each channel is associated with one of the following three parameters:

- n.a.= sensor not available
- ON= sensor working
- OFF= sensor defective

NETWORK PARAMS

Allows the "Network" parameters of the projector to be displayed or:

IP address: Internet Protocol address (two projectors must not have the same IP address)

IP mask: 255.0.0.0

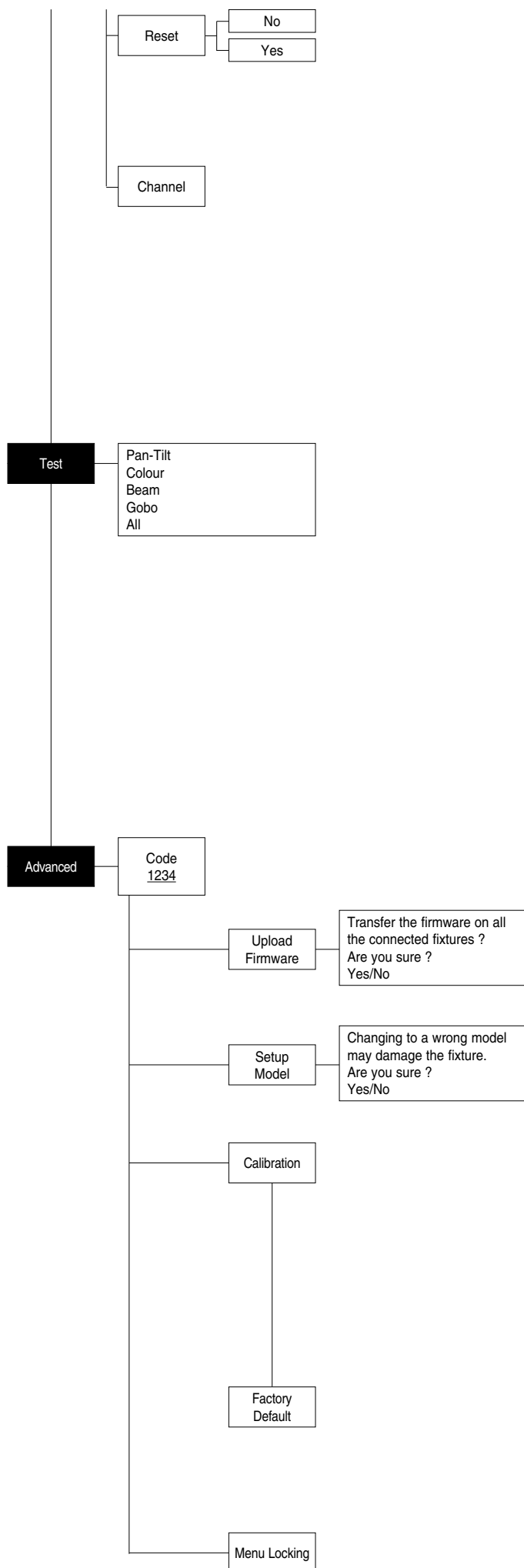
Mac address: Media Access Control: the projector's Ethernet Address.

MANUAL CONTROL

LAMP

Used for turning lamp on and off from the projector control panel.

- Press **OK** - the current settings appear on the display (On or Off).
- Use the UP **▲** and DOWN **▼** keys to turn the lamp on (On) or off (Off)
- Press **OK** to confirm the selection or LEFT **◀** to keep current settings and return to the top level.



RESET

Used for resetting the projector.

- 1) Press **OK** to reset the projectors, a confirmation message (Are you sure ?) appears on the display.
- 2) Select YES to starting reset the fixture or NO to keep the current setting and return to the top menu level.

CHANNEL

Used for setting channel levels from the projector control panel.

- 1) Press **OK** - the first channel appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select the required channel:
- 3) Press **OK** and use the UP **▲** and DOWN **▼** keys to select the required DMX level (value between 0 and 255).
- 4) Press LEFT **◀** to return to the top menu level.

TEST MENU

AUTOTEST

Allows you to check the proper functioning of effects.

- 1) Press **OK**.
- 2) Use the UP **▲** and DOWN **▼** keys to select the required test.
- 3) Press **OK** to confirm the selection or LEFT **◀** to return to the top menu level.

Test sequence:

- Pan-Tilt effects (Pan & Tilt)
- Colour effects (CMY / CTO / Color wheel)
- Beam effects (Stopper-Strobe / Dimmer / Iris / Prism / Frost / Focus / Zoom / Blades / Framing rotation)
- Gobo effects (Rotating gobo)
- All effects

ADVANCED MENU

To enable the "Advanced Menu" set up the "Access code" (1234) using the UP **▲**, DOWN **▼**, RIGHT **▶** keys.

Press **OK** - "Menu advanced" appears on the display

UPLOAD FIRMWARE

Allows you to transfer the firmware from 1 fixture to all the connected fixtures.

- 1) Press **OK**, a confirmation message appears on the display.
- 2) Select YES to start the firmware loading or NO to keep the current setting and return to the top menu level

SETUP MODEL

Allows you to change the default model of projector.

- 1) Press **OK** a confirmation message appears on the display.
- 2) Select YES to define the model of projector or NO to keep the current setting and return to the top menu level.

CALIBRATION

Allows you to adjust effects from the control panel to obtain perfect uniformity between the projectors.

- 1) Press **OK** - "channels" appears on the display.
- 2) Using the UP **▲** and DOWN **▼** keys, select the effect you wish to regulate.
- 3) Press **OK** and use the RIGHT **▶**, UP **▲** and DOWN **▼** buttons to make the adjustment by setting a value between 0 and 255.
- 4) Press **OK** to confirm the selection or LEFT **◀** to keep current settings and return to the top level.

FACTORY DEFAULT

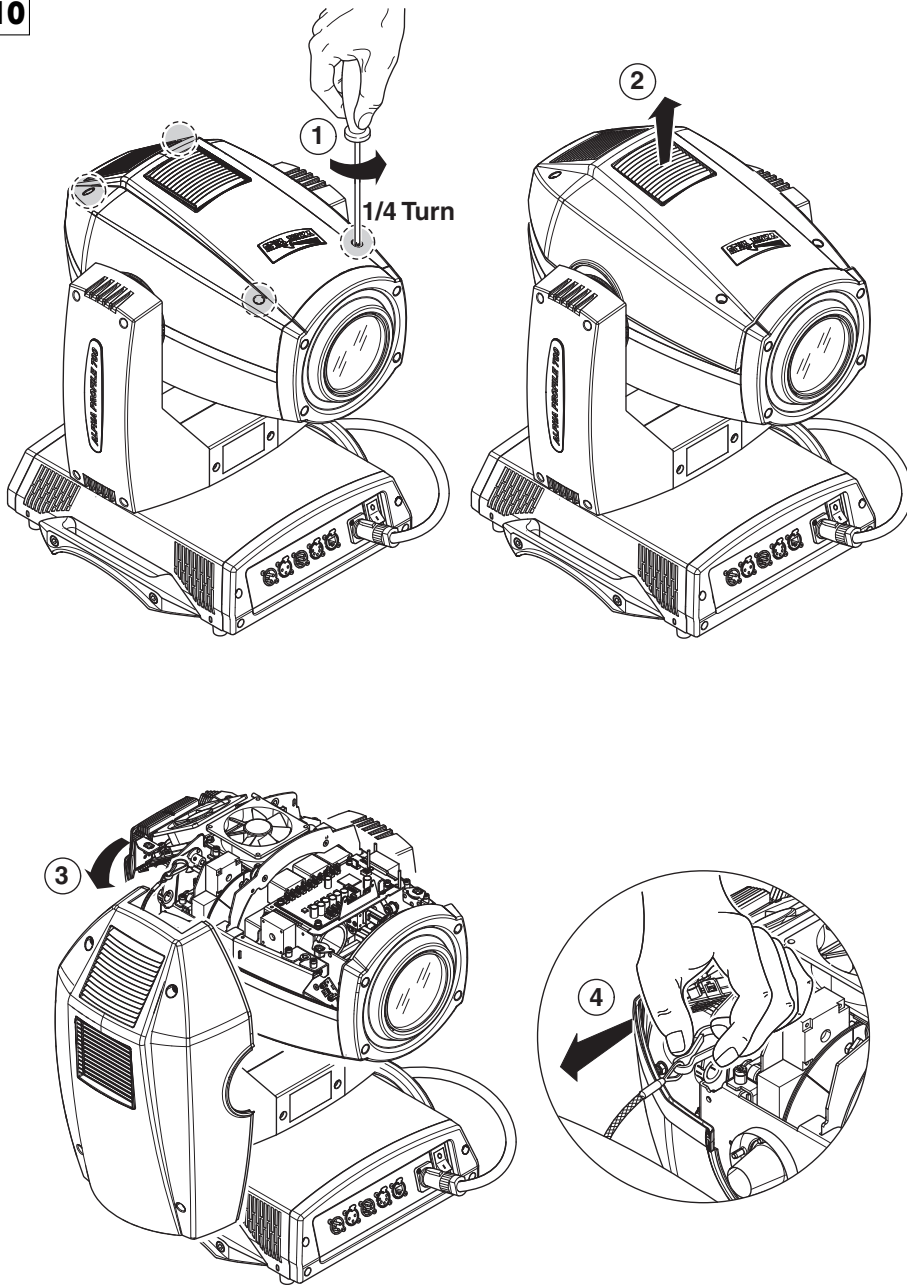
Allows you to restore default values of all channels (128).

- 1) Press **OK** - a confirmation message appears on the display (Reset calibration to factory default ?).
- 2) Select YES to reset calibration to factory default or NO to keep the current setting and return to the top menu level.

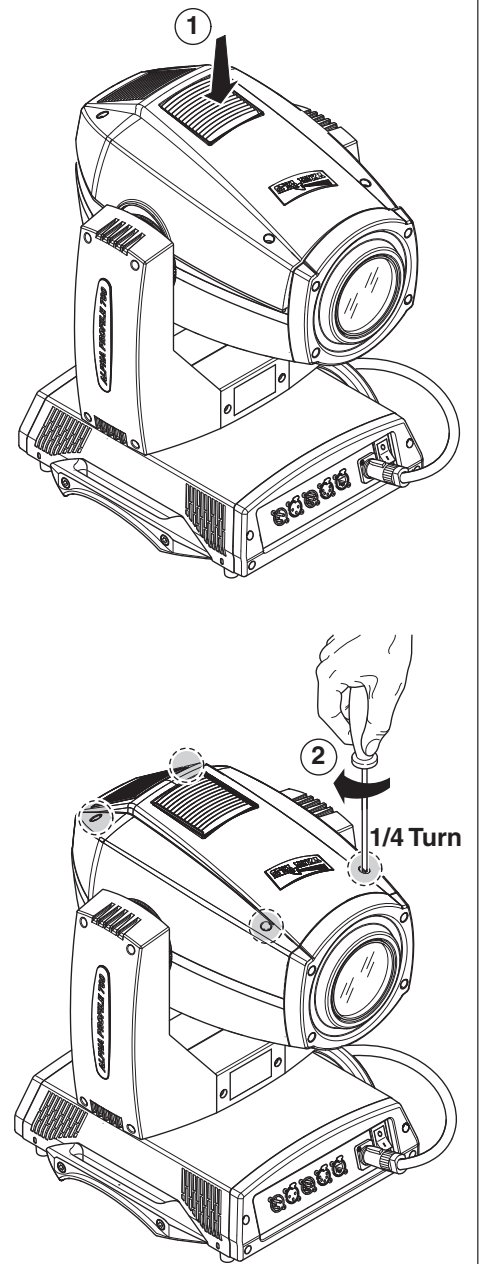
MENU LOCKING

It allows you to assign a password to lock the access to the user menu, so that only users know the password can change settings. The password is 4-digit number.

10

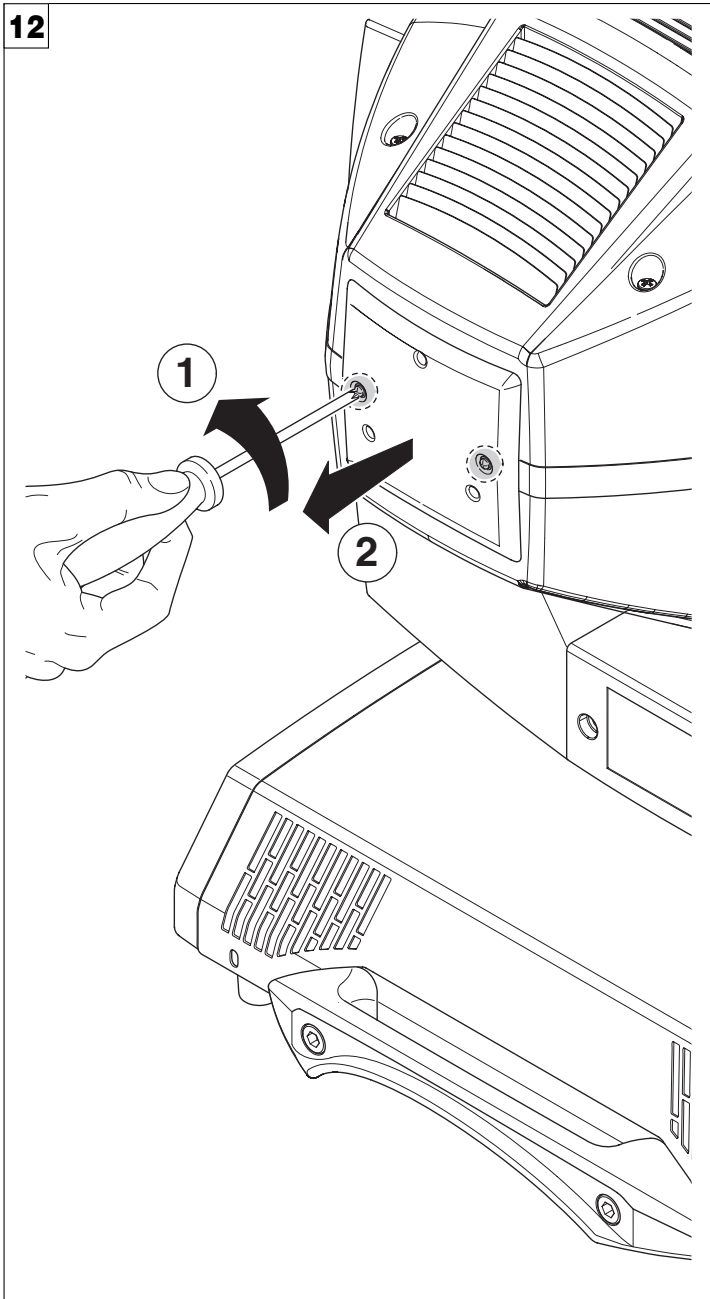


11

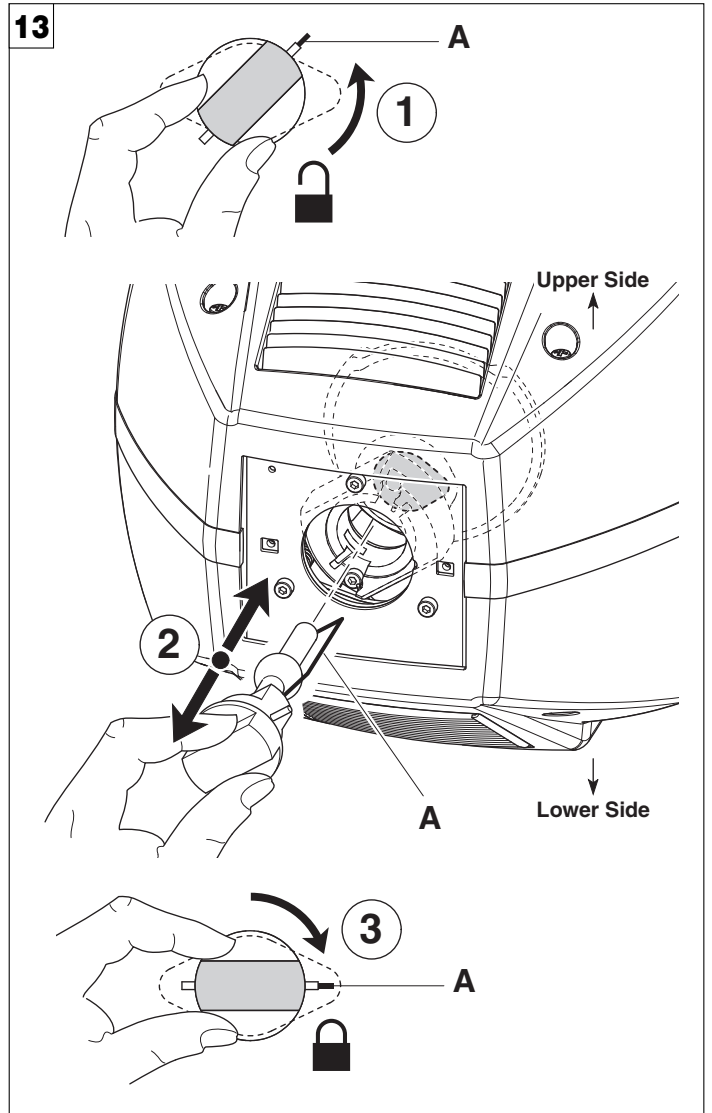


Locking and releasing Pan and Tilt movements - Refer to the instructions in the UNPACKING AND PREPARATION section.
 Opening the head covers - Fig. 10

Closing the head covers - Fig. 11



Opening and closing lamp compartment - Fig. 12



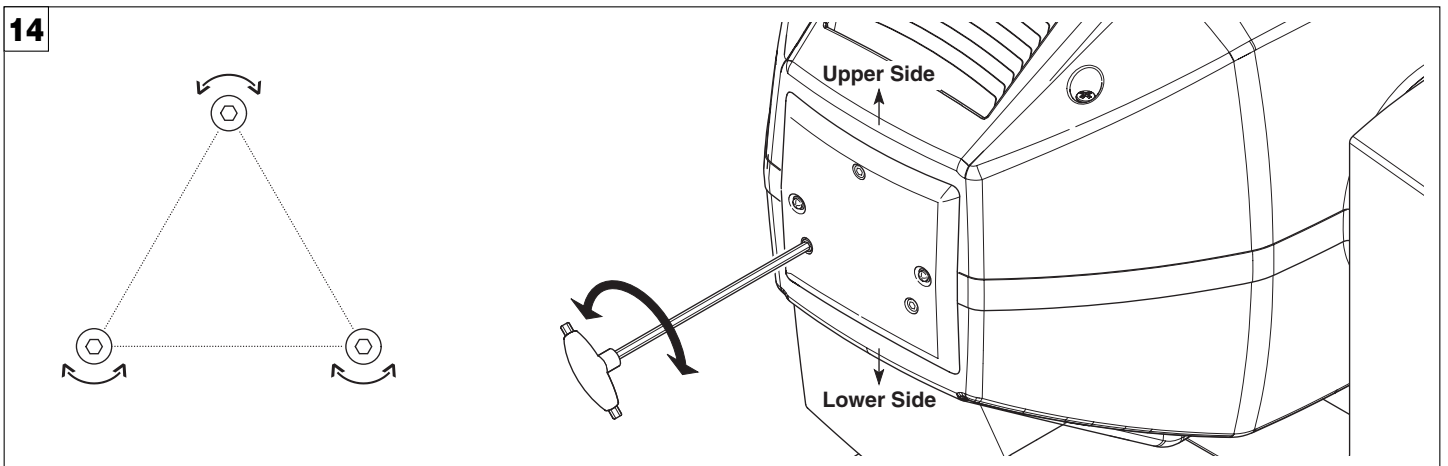
Lamp change - Fig 13

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.

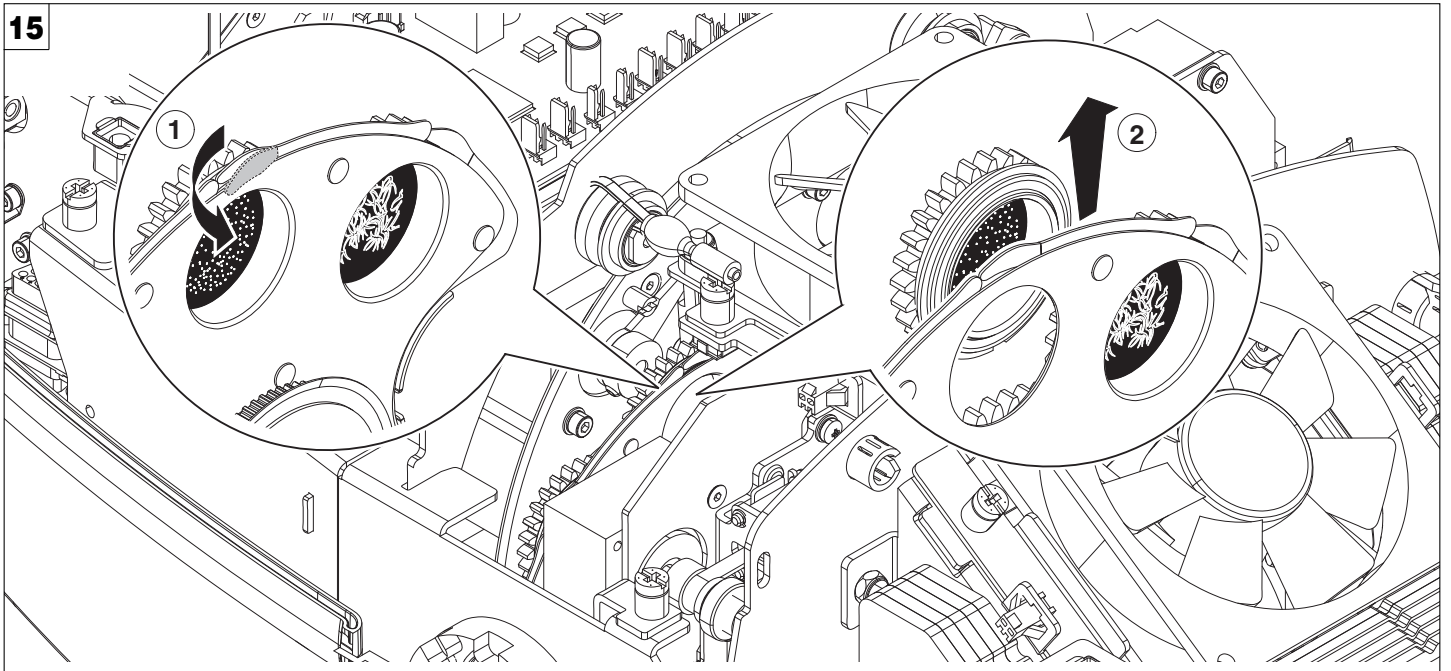
IMPORTANT: Make sure the lamp is inserted with the external contact (A) facing the elliptical reflector's slot.

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

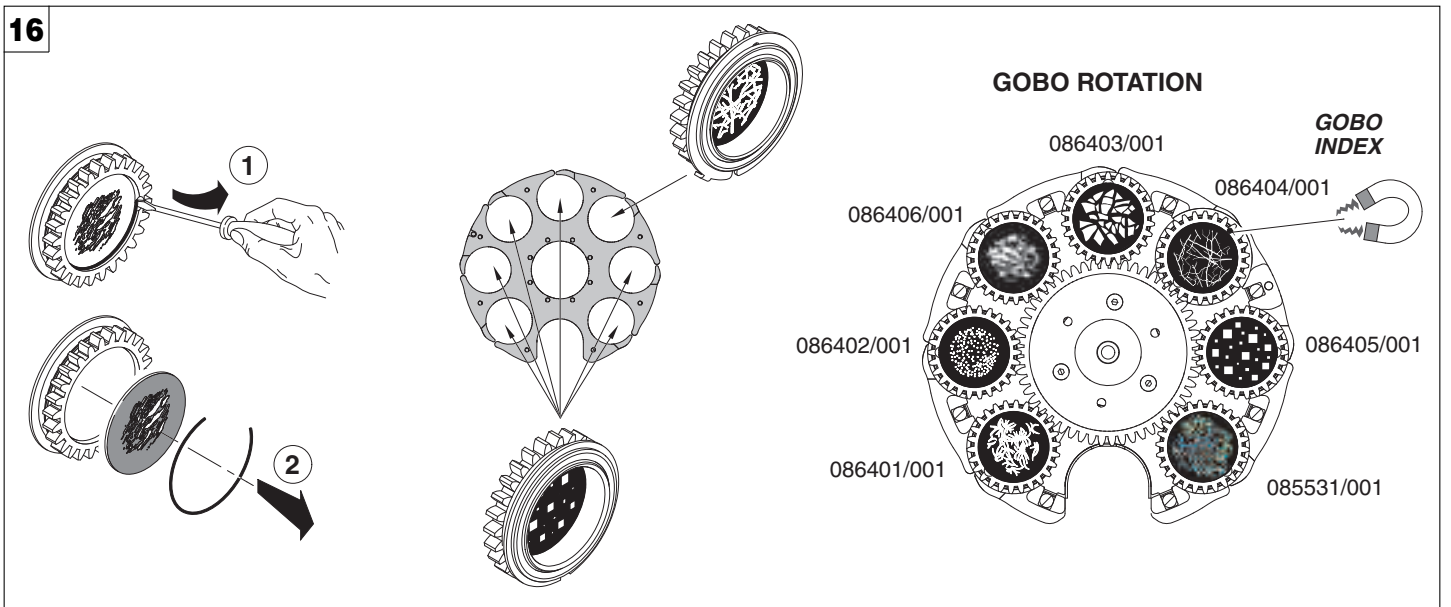


Lamp regulation - Fig. 14

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



Bearing group replacement - Fig. 15

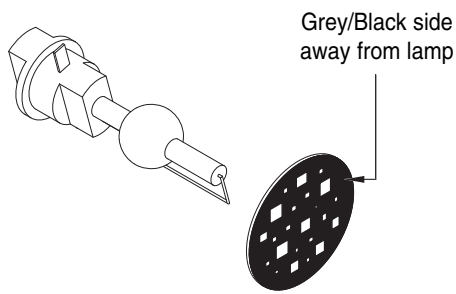


Replacing rotating gobos (\varnothing 25.7 mm - max 19 mm image – thickness 1.1 mm) - Fig. 16

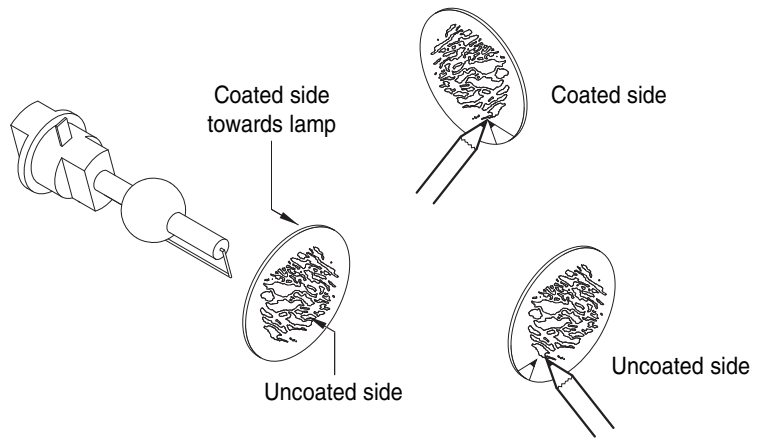
IMPORTANT: Please contact CLAY PAKY before using customized gobos.

IMPORTANT: Use only glass gobos on the rotating gobos wheel.

17 GOBO DI VETRO DICROICI TIPO 1



GOBO DI VETRO DICROICI TIPO 2

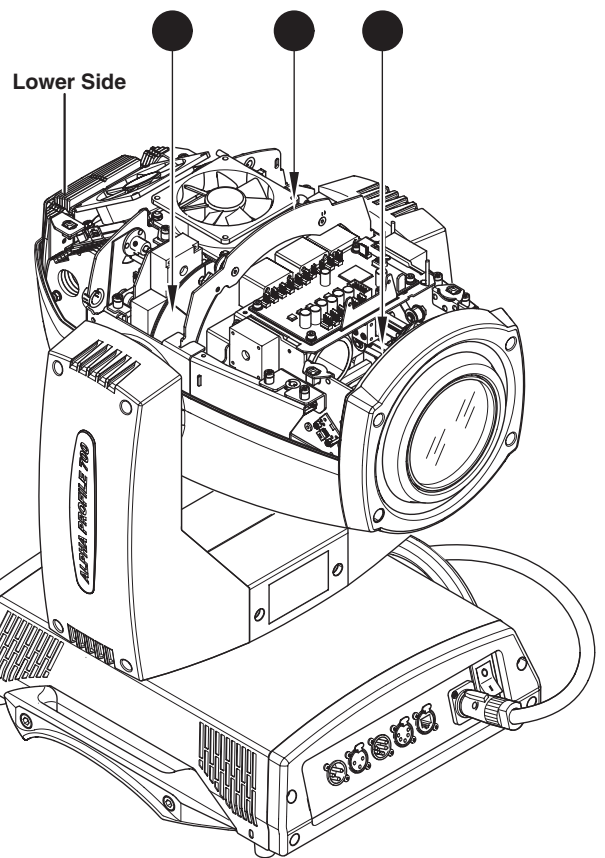
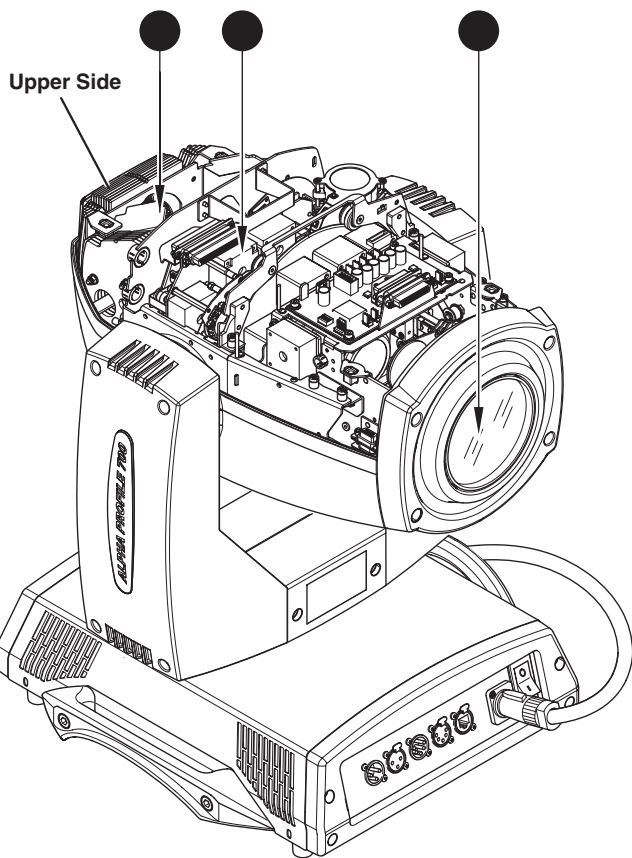


To determine which side of a gobo is coated, hold an object up to it. On the uncoated side, there is a space between the object and its reflection.

Gobo orientation - Fig. 17

The pictures shown the correct gobos orientation.

18

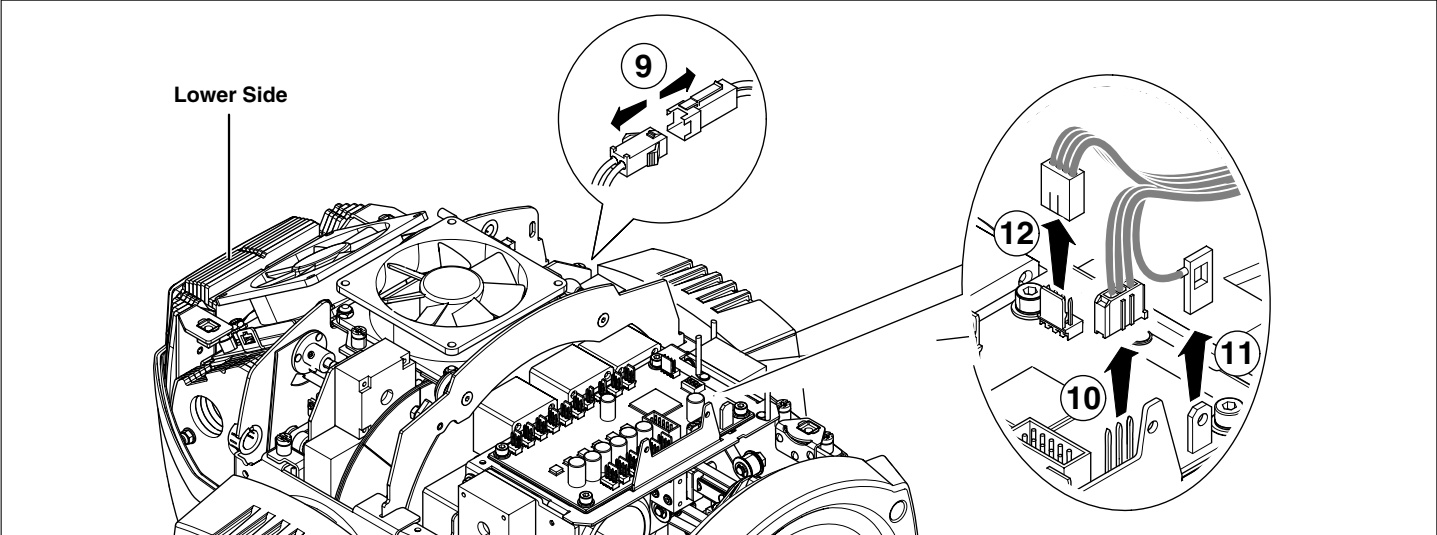
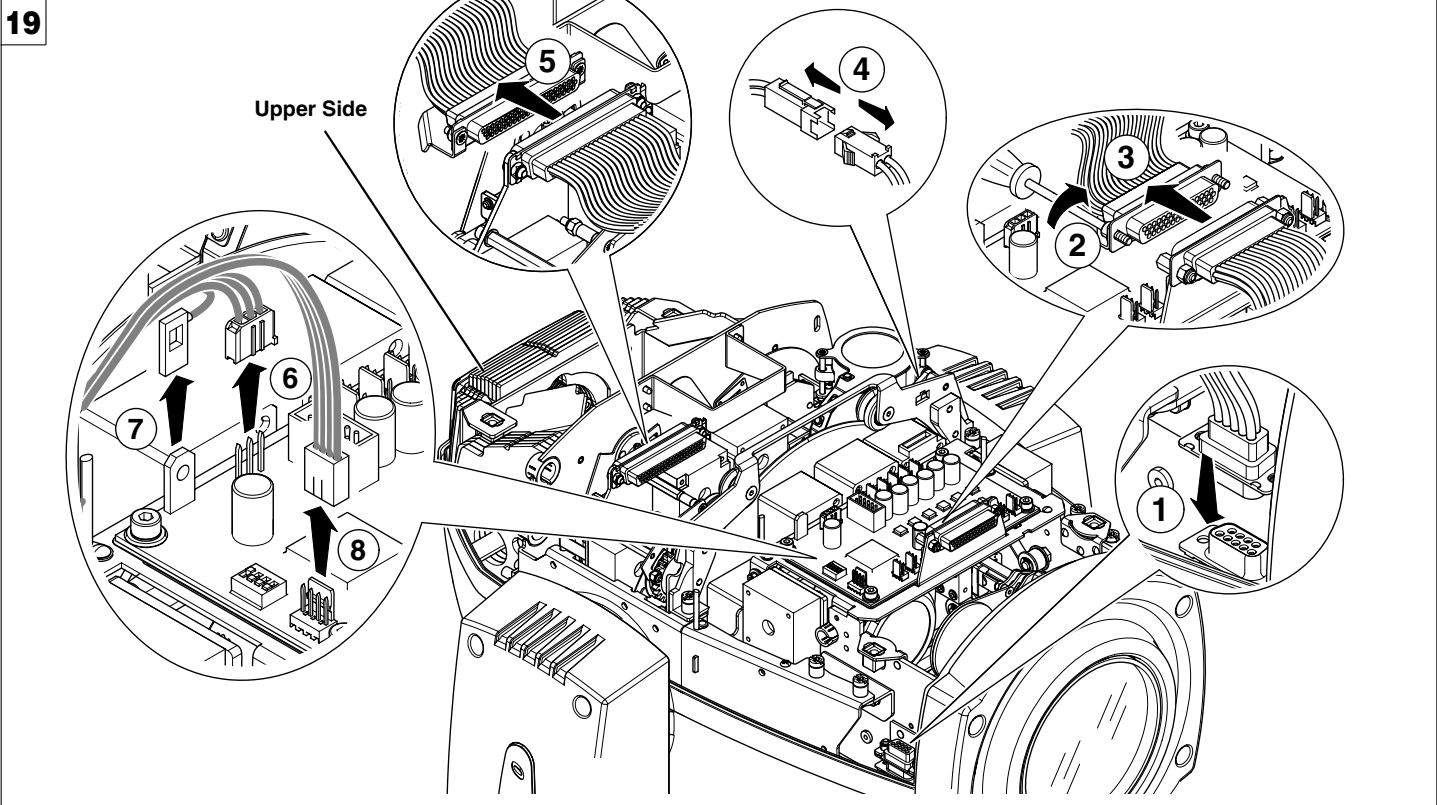


Periodical cleaning - Fig. 18

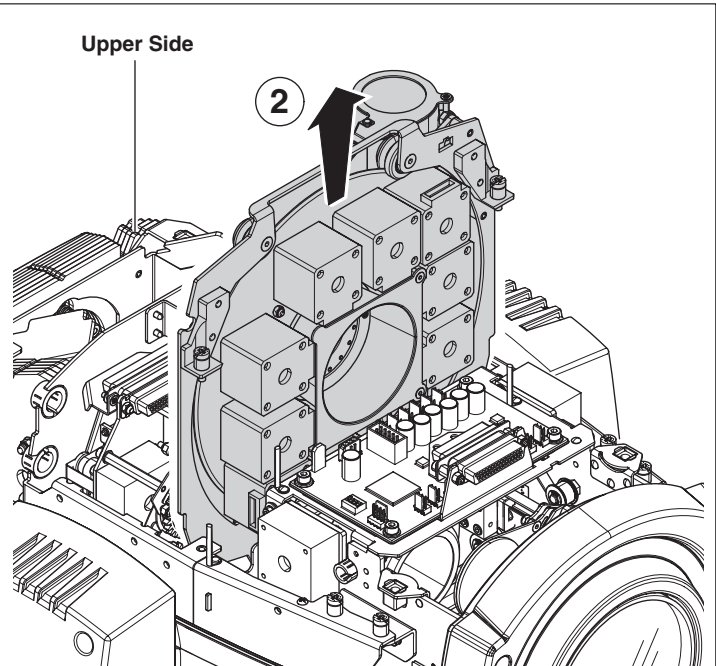
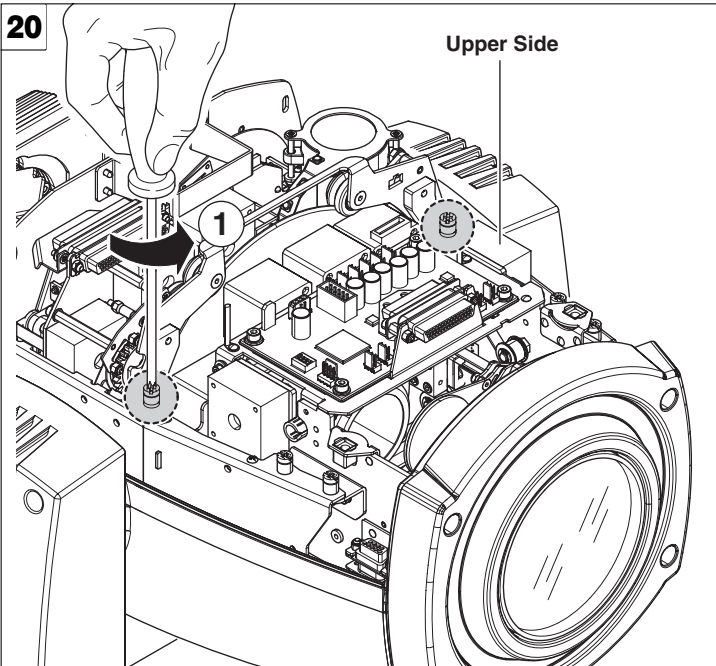
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the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

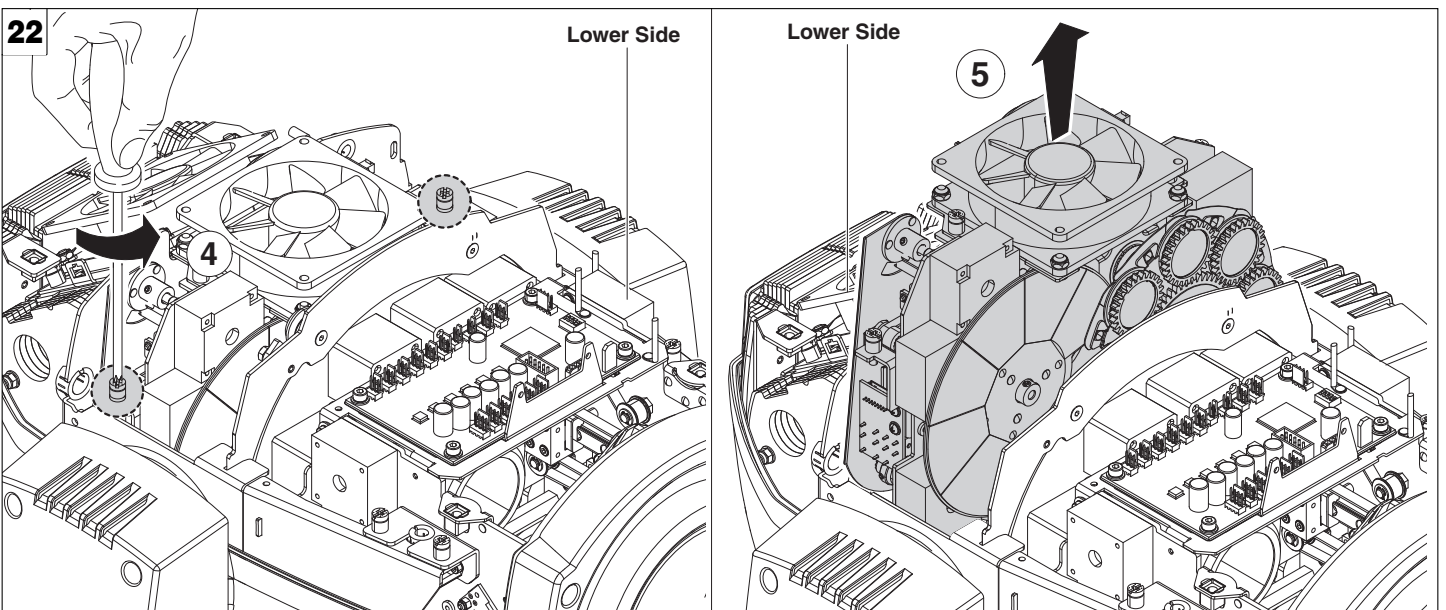
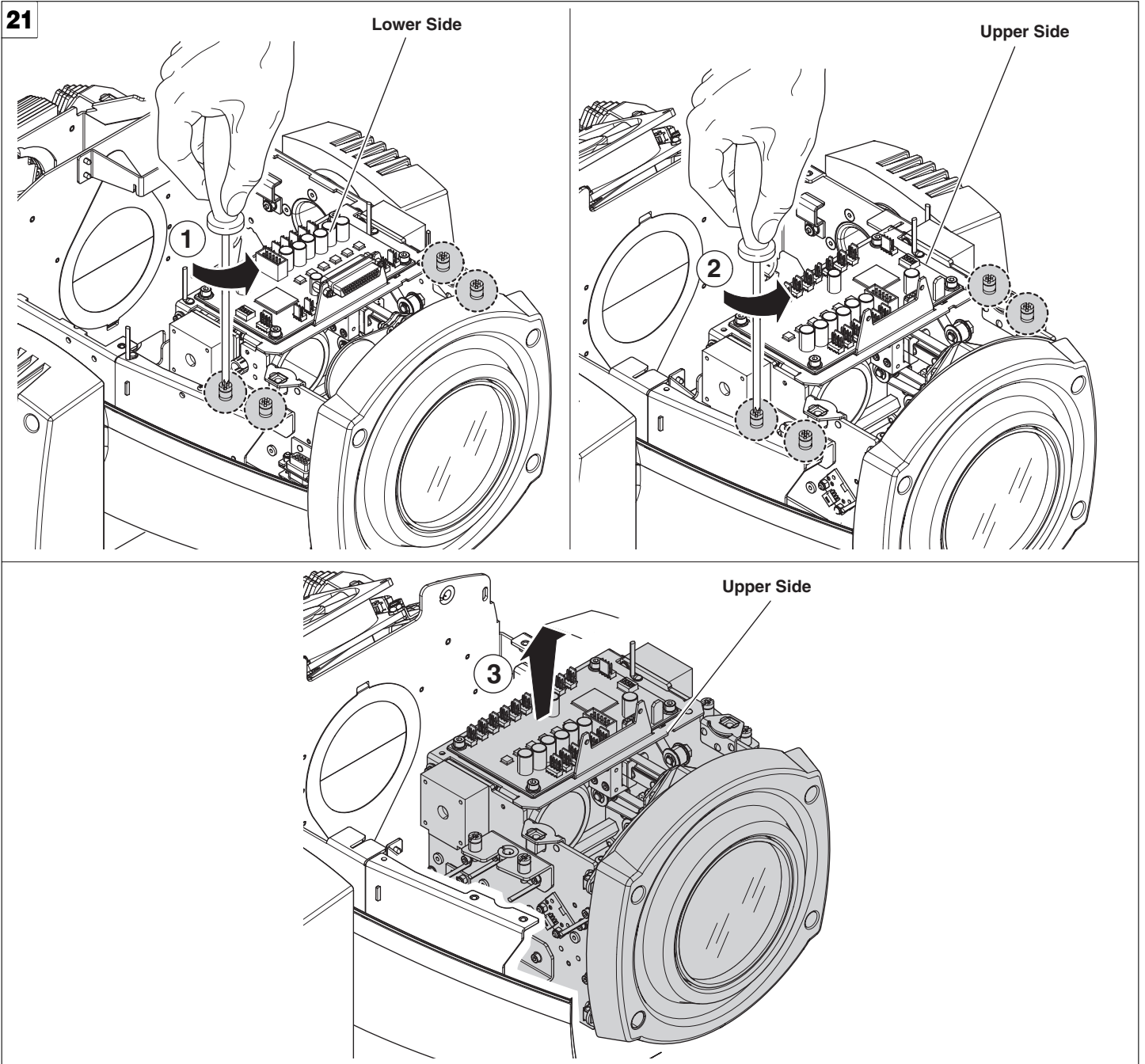
Use a soft cloth dampened with any detergent liquid for cleaning glass to remove the dirt from the reflectors, from the lenses and filters. It is recommended that the projector undergoes an annual service by a qualified technician for special maintenance involving at least the following operations:

- General cleaning of internal parts.
- Restoring lubrication of all parts subject to friction, using lubricants specifically supplied by Clay Paky.
- General visual check of the internal components, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.



Extraction of the effect modules: Preliminary operations - Fig. 19

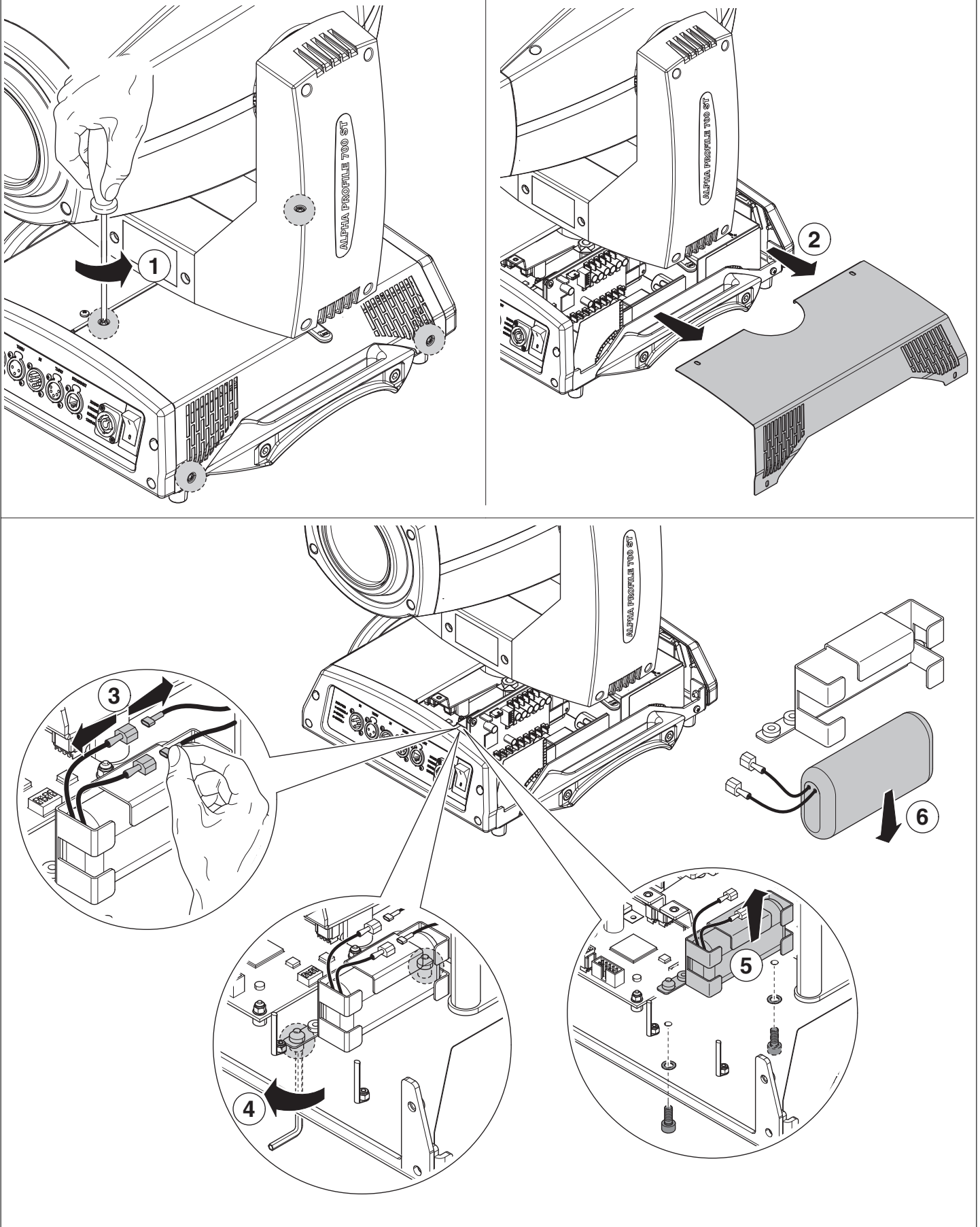




Extraction of the effect modules - Fig. 20-21-22

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. 20, 21 and 22 in reverse order.



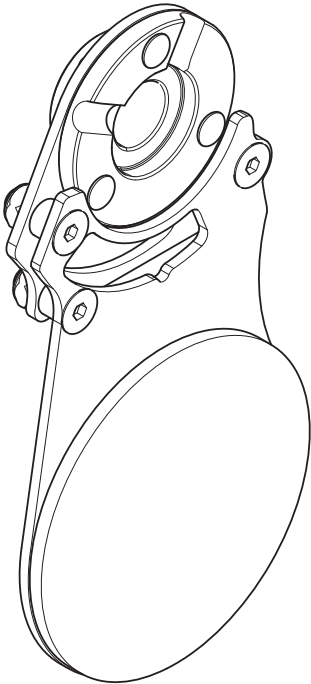
Battery removal - Fig. 23



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.

OPTIONAL ACCESSORIES

C61188 - HEAVY FROST FILTER KIT



TECHNICAL INFORMATION

Power supplies available:

100-120V 50/60Hz
200-240V 50/60Hz

Input power:

1050VA a 230V 50Hz.

Lamp:

Discharge lamp.

- Type MSR Gold 700/2 Mini Fast Fit (L10098)

- Cap PGJX28
- Colour temperature 7250 K
- Luminous flux 50000 lm
- Average life 750 h
- Any working position

- Type MSR Gold 700/1 Mini Fast Fit (LAM003) "ST"

- Cap PGJX28
- Colour temperature 5700 K
- Luminous flux 54000 lm
- Average life 750 h
- Any working position

- Type Lok-it HTI 700W-60-P28 (LAM005)

- Cap PGJX28
- Colour temperature 6000 K
- Luminous flux 50000 lm
- Average life 750 h
- Any working position

Motors:

28 stepper motors, operating with microsteps, totally microprocessor controlled.

Optical unit:

Elliptic reflector with high luminous efficiency

Channels:

Max 41 control channels.

Inputs:

- DMX 512
- Ethernet

Moving head:

- Movement by means of two stepper motors, controlled by microprocessor.
- Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.
- Angle:
 - PAN = 540°
 - TILT = 240°
- Maximum speeds:
 - PAN = 4.78 sec
 - TILT = 2.33 sec
- Resolution:
 - PAN = 2.11°
 - PAN FINE = 0.008°
 - TILT = 0.98°
 - TILT FINE = 0.004°

IP20 protection rating:

- 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 axial fans.

Body:

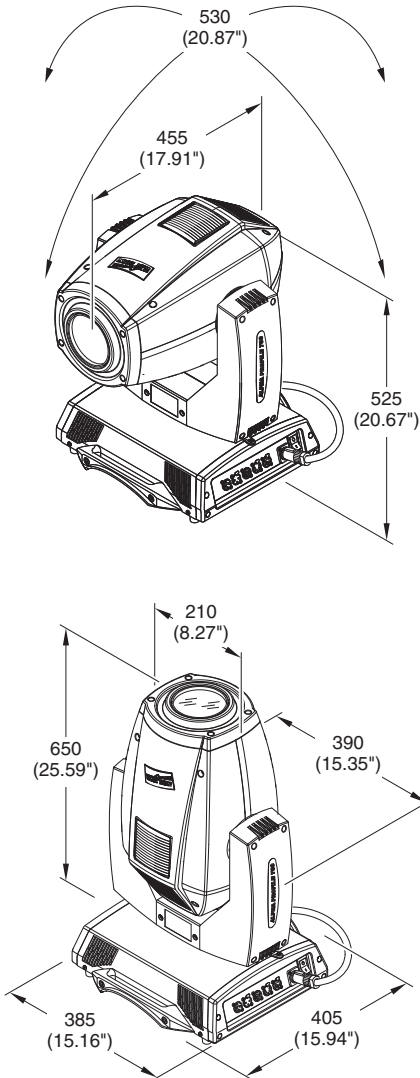
- Aluminium structure with die-cast plastic cover.
- Two side handles for transportation.
- Device locking PAN and TILT mechanisms for transportation and maintenance.

Working position

Working in any position.

Weights:

31,50 Kg (69,5 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.
●	●	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).

CHANNEL FUNCTION

ALPHA PROFILE 700 & "ST"

NB: To prevent accidental breakage of the effects, which could collide with each other during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0 bit).

CHANNEL	CHANNEL MODE	
	STANDARD	VECTOR
1	CYAN	CYAN
2	MAGENTA	MAGENTA
3	YELLOW	YELLOW
4	C.T.O	C.T.O
5	COLOUR WHEEL	COLOUR WHEEL
6	MACRO COLOURS	MACRO COLOURS
7	STOP/STROBE	STOP/STROBE
8	DIMMER	DIMMER
9	DIMMER FINE	DIMMER FINE
10	IRIS	IRIS
11	ROTATING GOBO CHANGE	ROTATING GOBO CHANGE
12	GOBO ROTATION	GOBO ROTATION
13	GOBO FINE	GOBO FINE
14	PRISM	PRISM
15	FROST	FROST
16	BLADE UP1	BLADE UP1
17	BLADE UP2	BLADE UP2
18	BLADE DW1	BLADE DW1
19	BLADE DW2	BLADE DW2
20	BLADE RG1	BLADE RG1
21	BLADE RG2	BLADE RG2
22	BLADE LF1	BLADE LF1
23	BLADE LF2	BLADE LF2
24	FRAMING ROTATION	FRAMING ROTATION
25	FOCUS	FOCUS
26	FOCUS FINE	FOCUS FINE
27	ZOOM	ZOOM
28	AUTOFOCUS DISTANCE	AUTOFOCUS DISTANCE
29	AUTOFOCUS ADJUSTMENT	AUTOFOCUS ADJUSTMENT
30	MACRO EFFECTS	MACRO EFFECTS
31	PAN	PAN
32	PAN FINE	PAN FINE
33	TILT	TILT
34	TILT FINE	TILT FINE
35	FUNCTION	FUNCTION
36	RESET	RESET
37	LAMP CONTROL (with Option "Lamp DMX" ON)	LAMP CONTROL (with Option "Lamp DMX" ON)
38		PAN-TILT TIME
39		COLOUR TIME
40		BEAM TIME
41		GOBO TIME

• STOP / STROBE - channel 7



BIT	EFFECT
252 - 255	OPEN
239 - 251	RANDOM FAST STROBE
226 - 238	RANDOM MEDIUM STROBE
213 - 225	RANDOM SLOW STROBE
208 - 212	OPEN
207	FAST PULSATION
...	...
108	SLOW PULSATION
104 - 107	OPEN
103	FAST STROBE (12 flash/sec)
...	...
4	SLOW STROBE (1 flash/sec)
0 - 3	CLOSED

IMPORTANT: The lamp dim to half power 1 second after the channel stay at 0 bit level. The lamp goes back to full power when the channel level is put higher than 0 bit.

• DIMMER - channel 8



BIT	EFFECT
255	DIMMER OPEN
...	...
0	DIMMER CLOSED

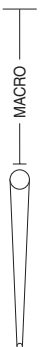
The lamp is linearly dimmed from full power to half power electronically and mechanically from half power to off.

• DIMMER FINE - channel 9



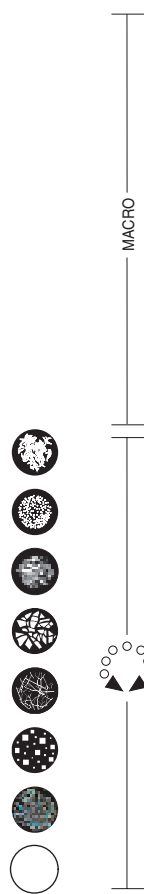
BIT	EFFECT
255	
...	...
0	

• IRIS - channel 10



BIT	EFFECT
252 - 255	MAXIMUM APERTURE
251	FAST PULSATION, FAST CLOSING
...	...
212	SLOW PULSATION, FAST CLOSING
211	FAST PULSATION, FAST OPENING
...	...
172	SLOW PULSATION, FAST OPENING
171	FAST PULSATION
...	...
132	SLOW PULSATION
128 - 131	MAXIMUM APERTURE
...	...
0	MINIMUM APERTURE

• ROTATING GOBO CHANGE - channel 11



BIT	EFFECT
255	GOBO 7 SHAKE, FAST SPEED
...	...
238	GOBO 7 SHAKE, SLOW SPEED
237	GOBO 6 SHAKE, FAST SPEED
...	...
220	GOBO 6 SHAKE, SLOW SPEED
219	GOBO 5 SHAKE, FAST SPEED
...	...
202	GOBO 5 SHAKE, SLOW SPEED
201	GOBO 4 SHAKE, FAST SPEED
...	...
184	GOBO 4 SHAKE, SLOW SPEED
183	GOBO 3 SHAKE, FAST SPEED
...	...
166	GOBO 3 SHAKE, SLOW SPEED
165	GOBO 2 SHAKE, FAST SPEED
...	...
148	GOBO 2 SHAKE, SLOW SPEED
147	GOBO 1 SHAKE, FAST SPEED
...	...
130	GOBO 1 SHAKE, SLOW SPEED
114-129	GOBO 7
98-113	GOBO 6
82-97	GOBO 5
65-81	GOBO 4
49-64	GOBO 3
33-48	GOBO 2
17-32	GOBO 1
0-16	WHITE

• GOBO ROTATION - channel 12



BIT	EFFECT
255	FAST ROTATION (180 rpm)
...	...
193	SLOW ROTATION (2,2 rph)
191 - 192	STOP
190	SLOW ROTATION (2,2 rph)
...	...
128	FAST ROTATION (180 rpm)
127	540° POSITION
105	450° POSITION
84	360° POSITION
63	270° POSITION
42	180° POSITION
21	90° POSITION
0	0° POSITION

• GOBO FINE - channel 13



BIT	EFFECT
255	
...	...
127	
...	...
0	

• PRISM - channel 14

BIT	EFFECT	
255	PRISM INSERTED	
128		
127		
0		PRISM EXCLUDED

• FROST - channel 15



BIT	EFFECT
255	FROST INSERTED
0	FROST EXCLUDED

• BLADE UP 1 - channel: 16



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE UP 2 - channel: 17



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE DW 1 - channel: 18



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE DW 2 - channel: 19



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE RG 1 - channel: 20



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• BLADE RG 2 - channel: 21



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• **BLADE LF 1 - channel: 22**



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• **FOCUS - channel 25**



BIT	EFFECT
255	NEAR
0	DISTANT

• **BLADE LF 2 - channel: 23**



BIT	EFFECT
255	BLADE IN
127	
0	BLADE OUT

• **FOCUS FINE - channel 26**



BIT	EFFECT
255	NEAR
0	DISTANT

Important:

The lamp automatically dim to half power in any condition in which the blades completely shut the light beam.

• **ZOOM - channel: 27**



BIT	EFFECT
255	NARROW BEAM
0	WIDE BEAM

• **FRAMING ROTATION - channel: 24**



BIT
255
127
0

• **AUTOFOCUS DISTANCE - channel 28**

AUTOFOCUS priority:

- 1 - Blades
- 2 - Rotating Gobo
- 3 - Iris

BIT	EFFECT
255	100 METRES
26	10 METRES
23	9 METRES
20	8 METRES
18	7 METRES
15	6 METRES
13	5 METRES
10	4 METRES
7	3 METRES
0-6	AUTOFOCUS OFF

• AUTOFOCUS ADJUSTMENT - channel 29



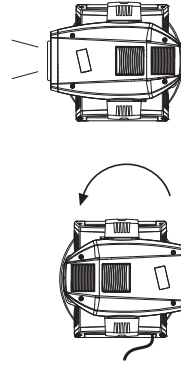
BIT	EFFECT
255	FOCUS FINE
128	
0	FOCUS FINE

• MACRO EFFECTS - channel 30

BIT	EFFECT
232-255	STAND BY BLACK
220-231	RANDOM MACRO 8
208-219	RANDOM MACRO 7
196-207	RANDOM MACRO 6
184-195	RANDOM MACRO 5
172-183	RANDOM MACRO 4
160-171	RANDOM MACRO 3
148-159	RANDOM MACRO 2
136-147	RANDOM MACRO 1
112-135	STAND BY BLACK
100-111	MACRO 8
88-99	MACRO 7
76-87	MACRO 6
64-75	MACRO 5
52-63	MACRO 4
40-51	MACRO 3
28-39	MACRO 2
16-27	MACRO 1
12-15	STAND BY BLACK
8-11	STAND BY
0-7	MACRO OFF

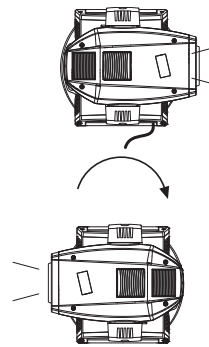
• PAN - channel 31

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



BIT
255
0

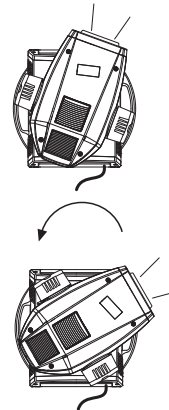
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



BIT
255
0

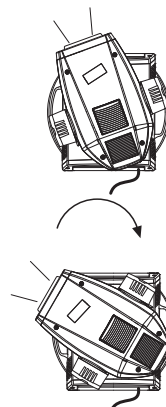
• PAN FINE - channel 32

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



BIT
255
0

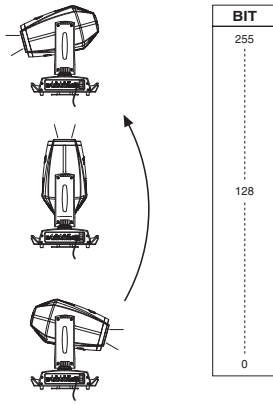
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



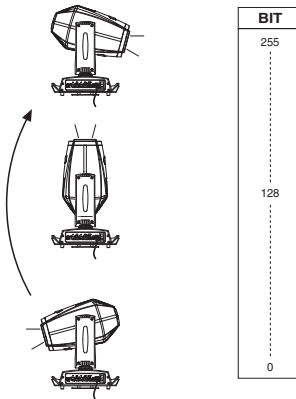
BIT
255
0

• **TILT - channel 33**

Operation with option Invert Tilt \diamond Off
 (Pan conventionally represented at 0 bit and option Invert Pan \diamond Off)

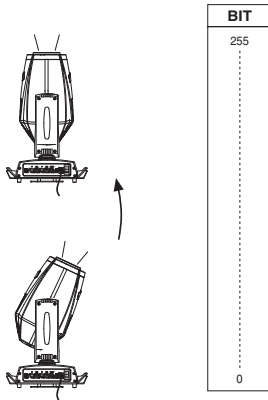


Operation with option Invert Tilt \diamond On
 (Pan conventionally represented at 0 bit and option Invert Pan \diamond Off)

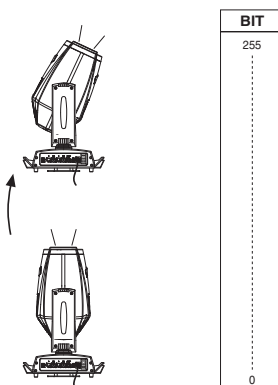


• **TILT FINE - channel 34**

Operation with option Invert Tilt \diamond Off
 (Pan conventionally represented at 0 bit and option Invert Pan \diamond Off)



Operation with option Invert Tilt \diamond On
 (Pan conventionally represented at 0 bit and option Invert Pan \diamond Off)



• **FUNCTION - channel: 35**

BIT	EFFECT
255	FREE
63	
51-62	
38-50	LINEAR (Default) ——— DIMMER CURVE FUNCTION
	CONVENTIONAL ——— DIMMER CURVE FUNCTION
0-37	UNUSED RANGE

The functions are activated passing through unused range and staying 5 seconds in necessary level.

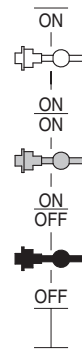
• **RESET - channel: 36**

BIT	EFFECT
255	COMPLETE RESET
.....	Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
128	COMPLETE RESET
127	PAN / TILT RESET
.....	Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels.
77	PAN / TILT RESET
76	EFFECTS RESET
.....	Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
26	EFFECTS RESET
25	UNUSED RANGE
0	UNUSED RANGE

The functions are activated passing through unused range and staying 5 seconds in necessary level.

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 37**

IMPORTANT: Alpha Profile 700 is not provided with hot restrike igniter



BIT	EFFECT
255	LAMP ON (FULL POWER)
.....	Lamp ignition after 5 s in full power levels. Immediate transition from half to full power.
180	LAMP ON (FULL POWER)
179	LAMP ON (HALF POWER)
.....	Immediate transition from full to half power. Lamp ignition not allowed in half power.
101	LAMP ON (HALF POWER)
100	LAMP OFF
.....	Lamp switch off passing through the unused range and staying 5 s in Lamp OFF levels.
26	LAMP OFF
25	UNUSED RANGE
0	UNUSED RANGE

The functions are activated passing through unused range and staying 5 seconds in necessary level.

TIMING CHANNELS

	Timing Channel	Channel function
38	Pan - Tilt time	Pan – Tilt – Pan Fine – Tilt Fine
39	Colour time	Cyan - Magenta - Yellow – C.T.O. – Color wheel
40	Beam time	Dimmer – Zoom – Focus – Frost - Prism – Iris
41	Gobo time	Rotating Gobo change - Framing - Framing rotation

TIME TABLE

BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds	BIT	Seconds
0	Full	43	8.6	86		129		172		216	
1	0.2	44	8.8	87	24	130	41	173	58	217	170
2	0.4	45	9	88		131		174		218	
3	0.6	46	9.2	89	25	132	42	175	59	219	180
4	0.8	47	9.4	90		133		176	59	220	
5	1	48	9.6	91	26	134	43	177		221	190
6	1.2	49	9.8	92		135		178	60	222	
7	1.4	50	10	93	27	136	44	179	60	223	190
8	1.6	51	10.2	94		137		180	65	224	200
9	1.8	52	10.4	95	28	138	44	181	65	225	
10	2	53	10.6	96		139		182		226	190
11	2.2	54	11	97	28	140	45	183	70	227	210
12	2.4	55		98		141		184	70	228	
13	2.6	56	12	99	29	142	46	185	75	229	220
14	2.8	57		100		143		186	75	230	
15	3	58	13	101	30	144	47	187		231	230
16	3.2	59		102		145		188	80	232	230
17	3.4	60	14	103	30	146	47	189	80	233	
18	3.6	61		104		147		190	85	234	240
19	3.8	62	14	105	31	148	48	191	85	235	
20	4	63	15	106		149		192		236	250
21	4.2	64		107	32	150	49	193	90	237	
22	4.4	65	15	108		151		194	90	238	250
23	4.6	66	16	109	33	152	50	195	95	239	
24	4.8	67		110		153		196	95	240	260
25	5	68	17	111	34	154	50	197		241	
26	5.2	69		112		155		198	100	242	270
27	5.4	70	18	113	34	156	51	199	100	243	
28	5.6	71		114		157		200	110	244	280
29	5.8	72	18	115	35	158	52	201	110	245	
30	6	73	19	116		159		202		246	290
31	6.2	74		117	36	160	53	203	120	247	
32	6.4	75	19	118		161		204	120	248	290
33	6.6	76	20	119	37	162	54	205	130	249	
34	6.8	77		120		163		206	130	250	300
35	7	78	21	121	38	164	55	207	130	251	
36	7.2	79		122		165		208	140	252	310
37	7.4	80	21	123	38	166	55	209	140	253	
38	7.6	81	22	124		167		210	150	254	
39	7.8	82		125	39	168	56	211	150		
40	8	83	23	126		169		212	160	255	Follow cue Data
41	8.2	84		127	40	170	57	213			
42	8.4	85		128		171		214	160		
								215			

