



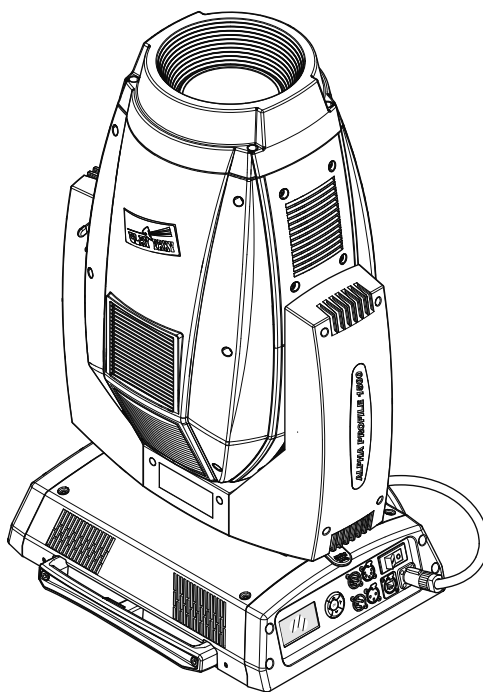
# ALPHA PROFILE 1500

# ALPHA PROFILE 1500 "Q"

C61330

C61335

## INSTRUCTION MANUAL



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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

### • Installation

Make sure all parts for fixing the projector are in a good state of repair.  
Make sure the point of anchorage is stable before positioning the projector.  
The safety chain must be properly hooked onto the fitting and secured to the framework, so that, if the primary support system fails, the fitting falls as little as possible.  
If the safety chain gets used, it needs to be replaced with a genuine spare.

### • Minimum distance of illuminated objects

The projector needs to be positioned so that the objects hit by the beam of light are at least 5 metres (16'5") from the lens of the projector.

### • Minimum distance from flammable materials

The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

### • Mounting surfaces

It is permissible to mount the fitting on normally flammable surfaces.

### • Maximum ambient temperature

Do not operate the fixture if the ambient temperature ( $T_a$ ) exceeds 40° C (104° F).

### • IP20 protection rating

The fitting is protected against penetration by solid bodies of over 12mm (0.47") in diameter (first digit 2), but not against dripping water, rain, splashes or jets of water (second digit 0).

### • Protection against electrical shock

Connection must be made to a power supply system fitted with efficient earthing (**Class I** appliance according to standard EN 60598-1).

It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

### • Connection to mains supply

Connection to the electricity mains must be carried out by a qualified electrical installer.  
Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.  
This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

### • Temperature of the external surface

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 150°C (302°F).

### • Maintenance

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply.  
After switching off, do not remove any parts of the fitting for at least 10 minutes. After this time the likelihood of the lamp exploding is virtually nill. If it is necessary to replace the lamp, wait for another 20 minutes to avoid getting burnt.  
The fitting is designed to hold in any splinters produced by a lamp exploding. The lenses must be mounted and, if visibly damaged, they have to be replaced with genuine spares.

### • Lamp

The fitting mounts a high-pressure lamp that needs an external igniter. This igniter is fitted onto the apparatus.  
- Carefully read the "operating instructions" provided by the lamp manufacturer.  
- Immediately replace the lamp if damaged or deformed by heat.

### • Battery

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

1500W 

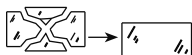


$t_a$  40°C

IP20



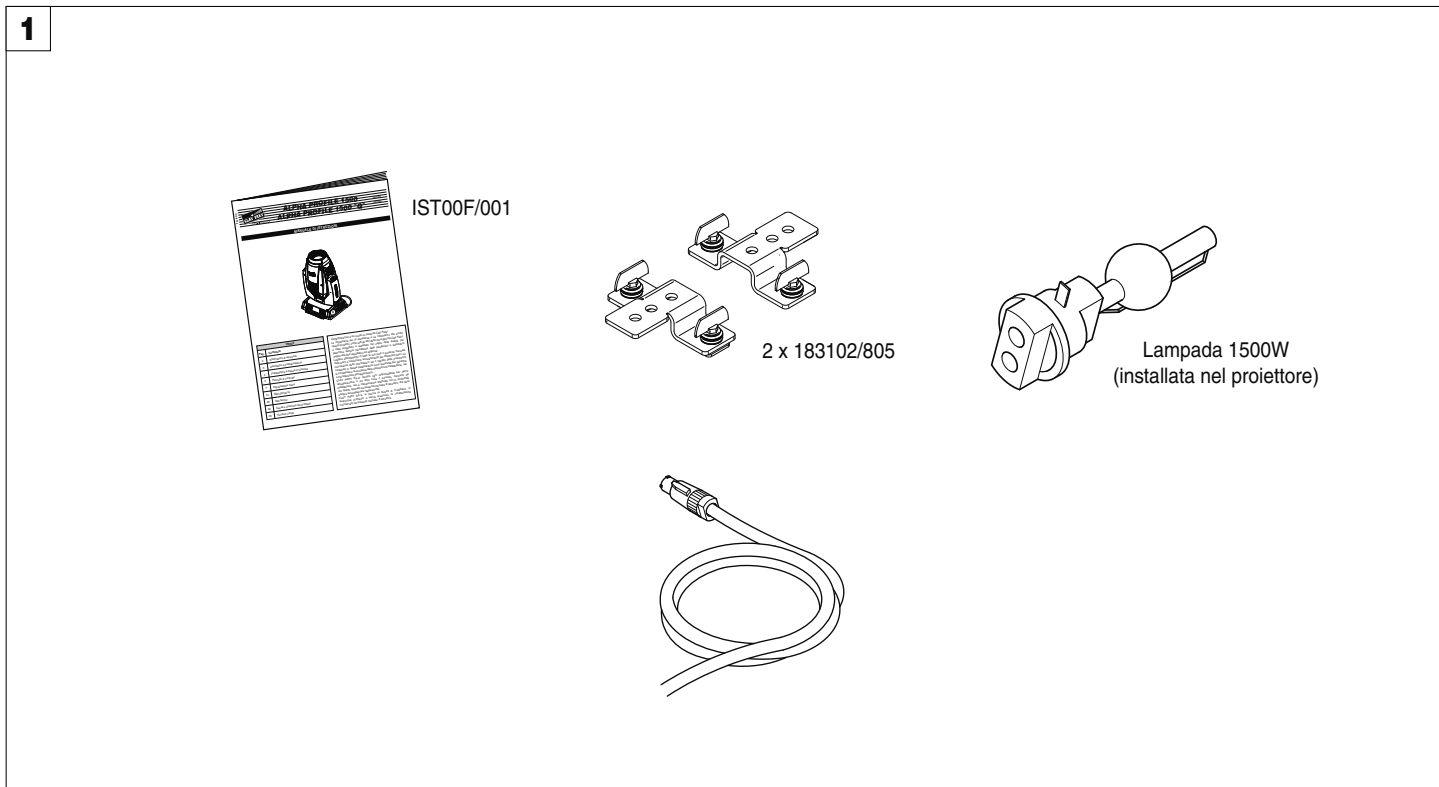
$t_c$  150°C



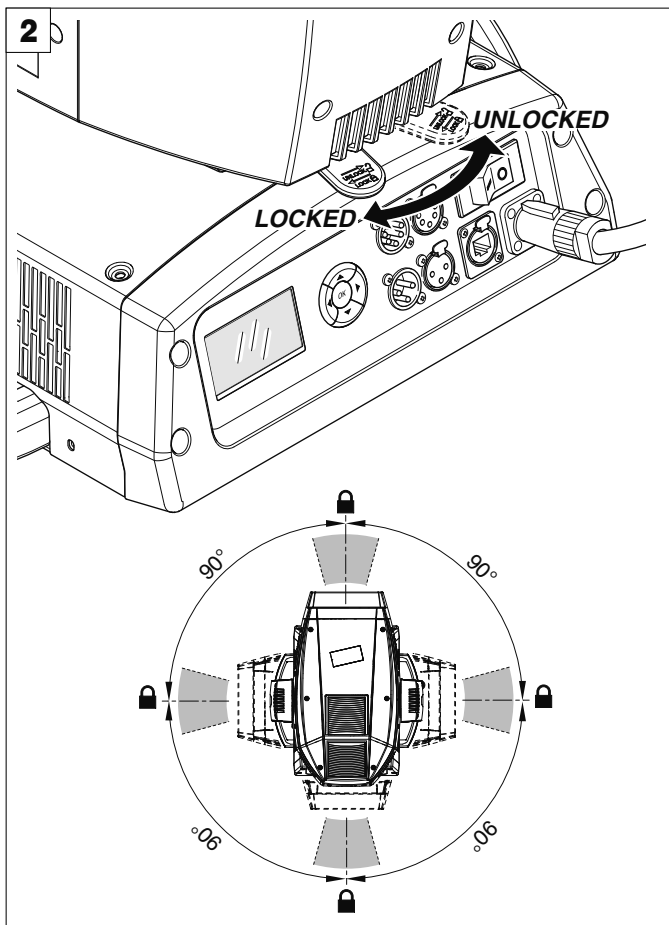
The products to which this manual refers comply with the European Directives pursuant to:

- 2006/95/EC - Safety of electrical equipment supplied at low voltage (LVD)
- 2004/108/EC - Electromagnetic Compatibility (EMC)
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)

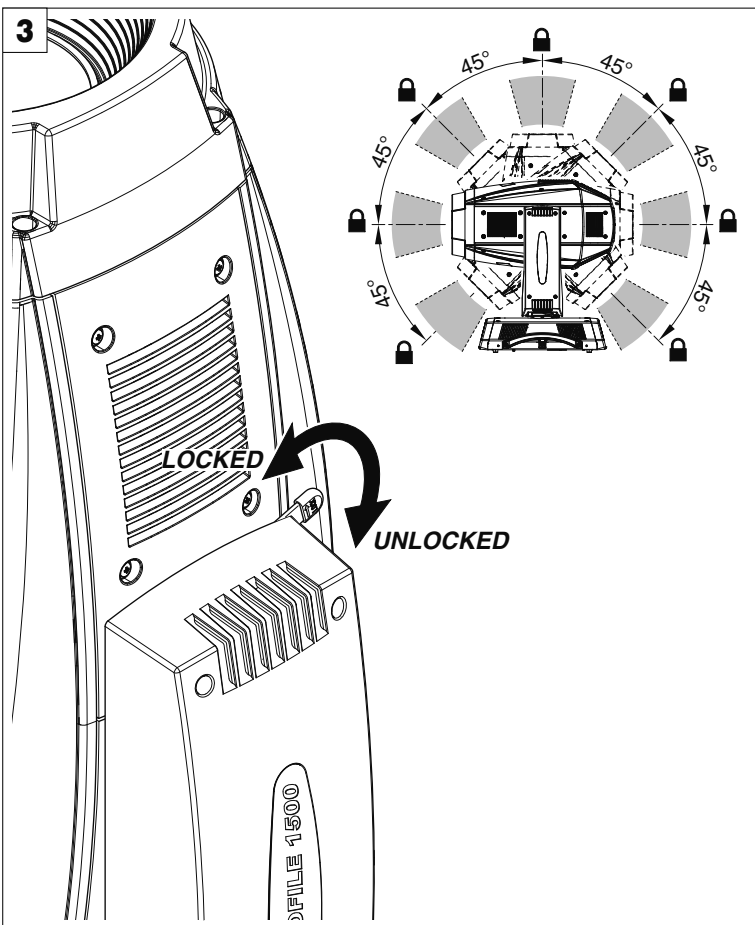
# UNPACKING AND PREPARATION



Packing contents - Fig. 1

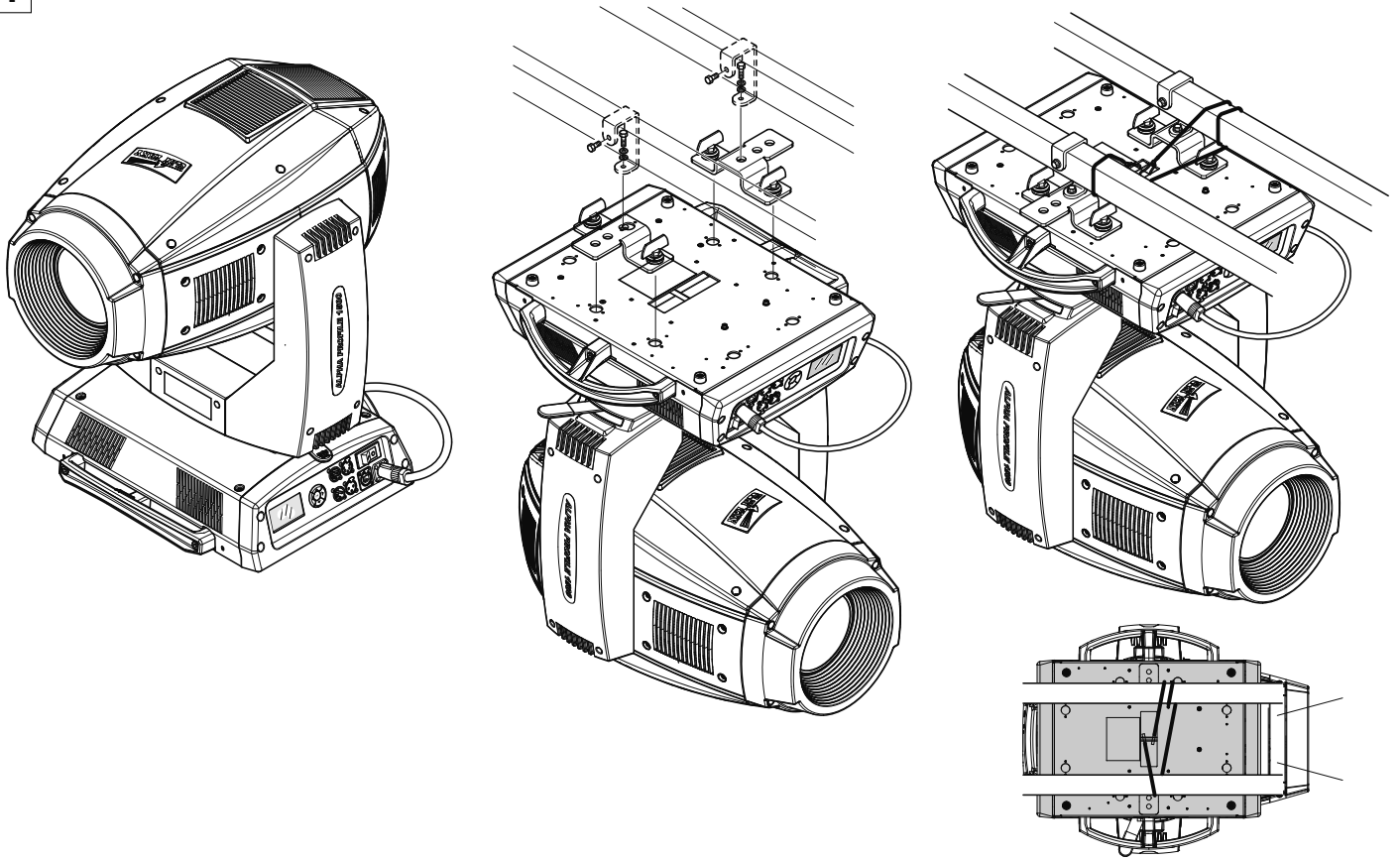


PAN Mechanism Lock and Release (every 90°) - Fig. 2



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

4

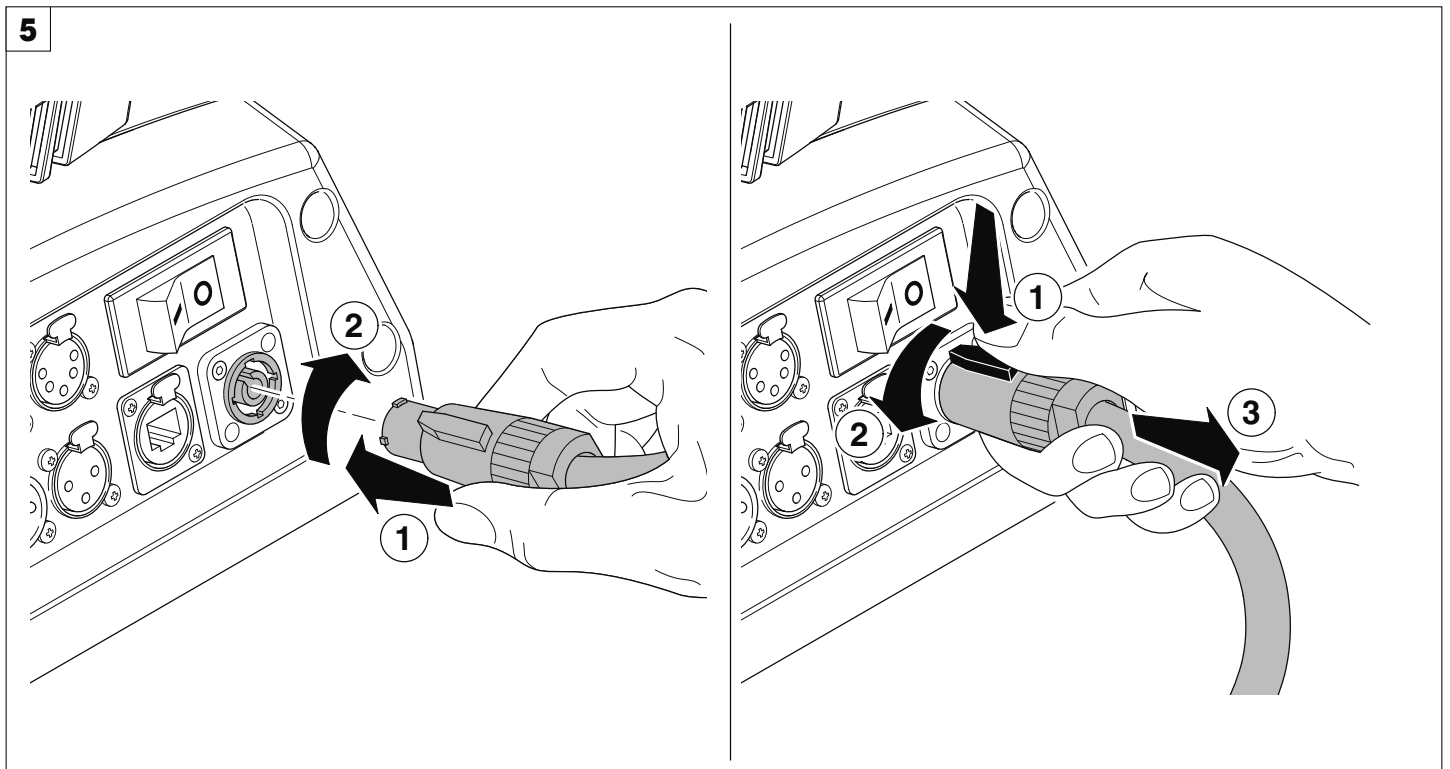


Installing the projector - Fig. 4

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

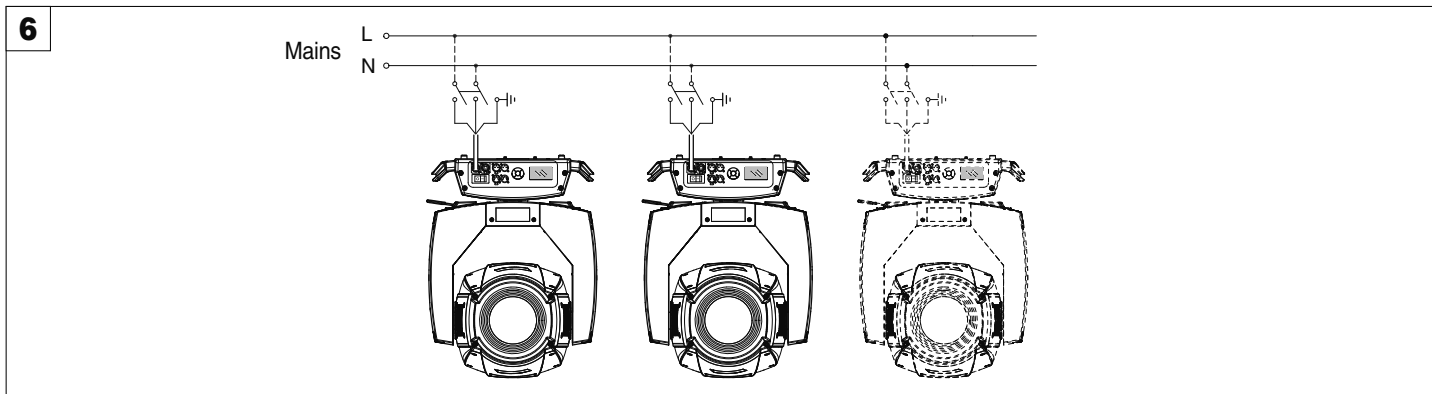
**WARNING:** with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

5

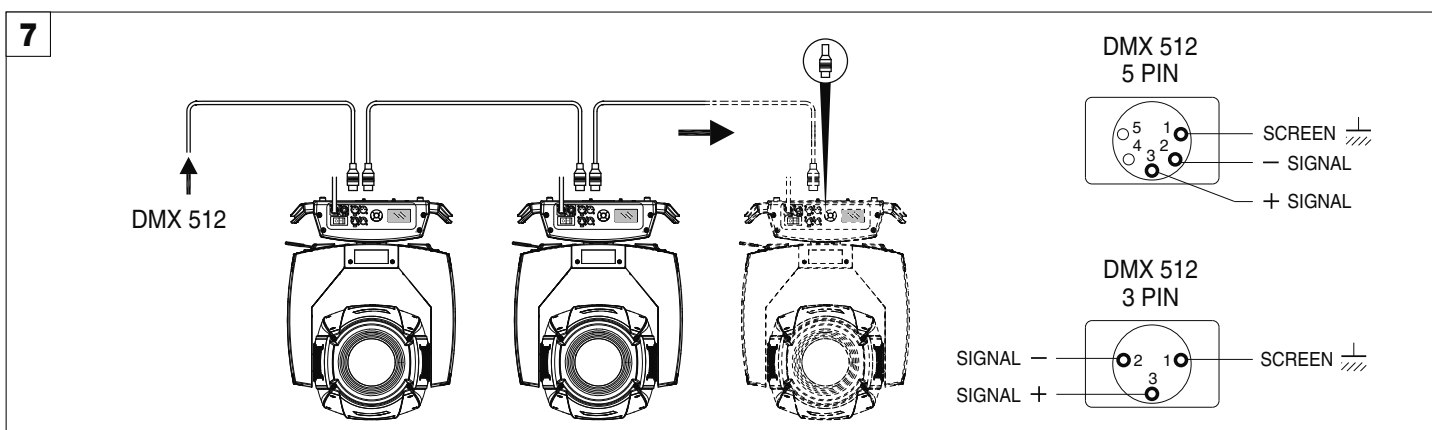


Connecting and disconnecting power cable - Fig. 5

## CONTROL PANEL



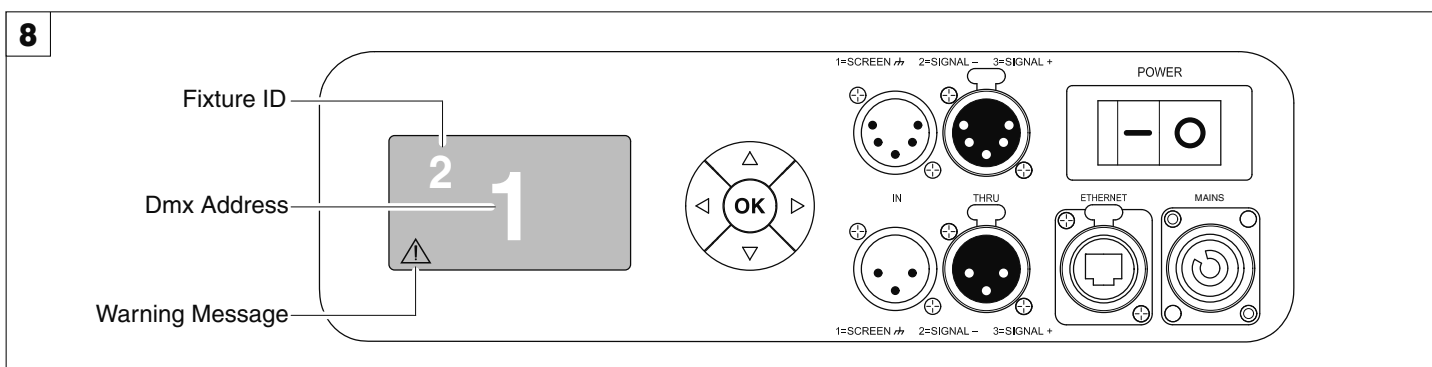
**Connecting to the mains supply - Fig. 6**



**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  
1500

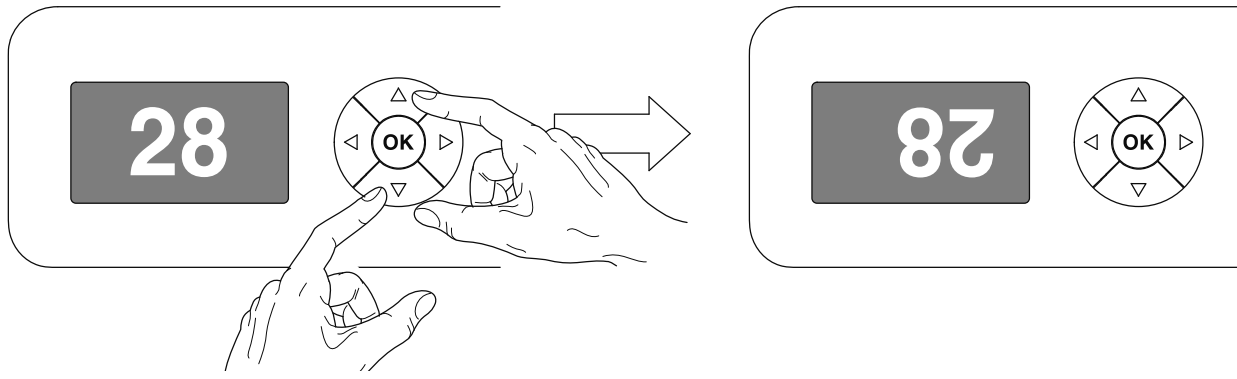
**Firmware**  
Version X.X.X  
Date - Hour

**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 50% - Tilt 50%). 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 address: see pag. 8.

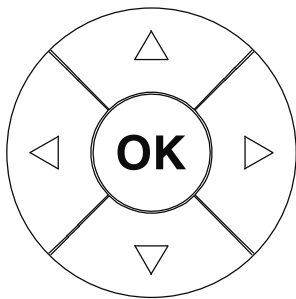
#### Setting the projector Fixture ID

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.

Setting the Fixture ID: see pag. 8.

## Functions of the buttons - Using the menu



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



DOWN

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



UP

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



LEFT

Return to the top level



RIGHT

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

#### USING THE MENU:

1) Press **OK** once – "Main Menu" appears on the display.

2) Use the UP ▲ and DOWN ▼ keys to select the menu to be used:

- Setup (Setup Menu): To set the setting options.
- Option (Option Menu): To set the operating options.
- Informations (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.

To enable the "Advanced" see pag.14

3) Press **OK** to display the first item in the selected menu.

4) Use the UP ▲ and DOWN ▼ keys to select the MENU items.

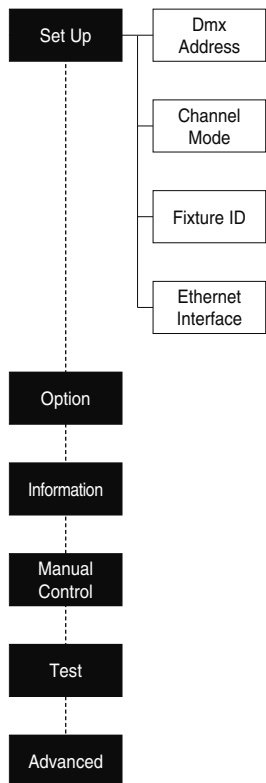
#### Setting addresses and options with the projector disconnected

The projector's DMX address, as well as other possible operating options, can also be set when the appliance is disconnected from the electricity supply.

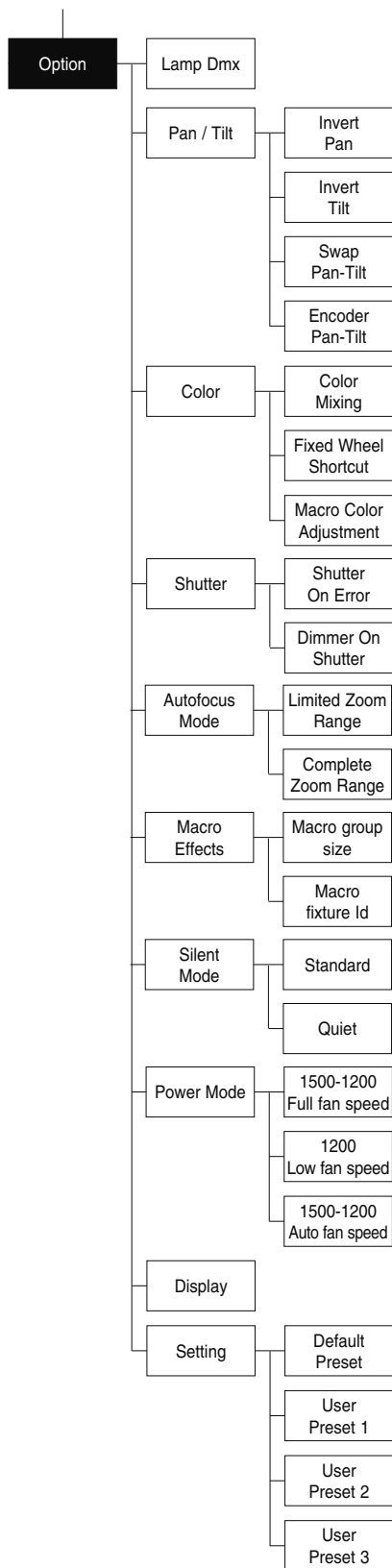
All that is needed is to press **OK** to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

# MENU SETTING

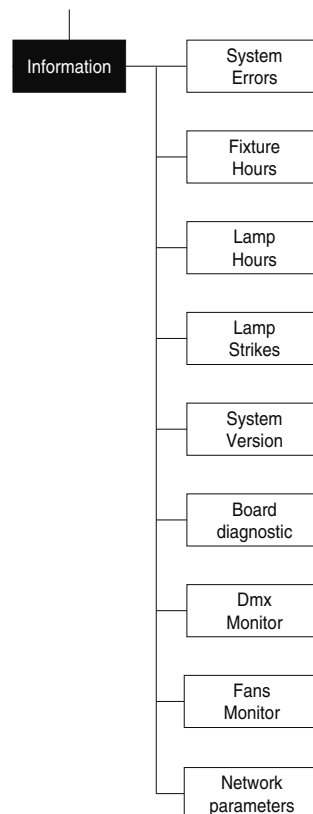
1



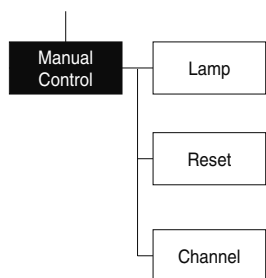
2



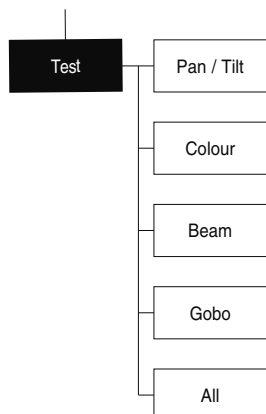
3



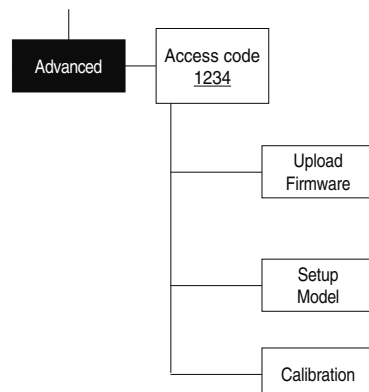
4



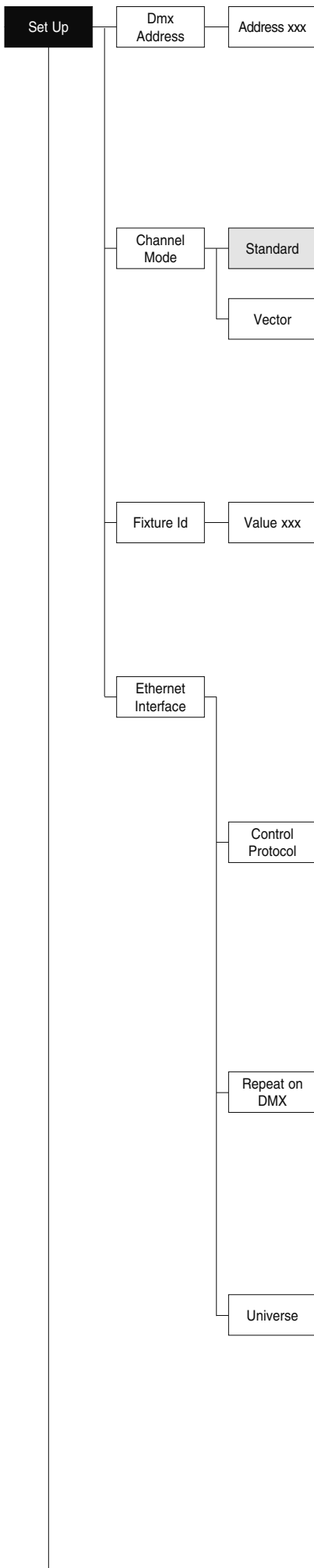
5



6



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

#### Repeat on DMX

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

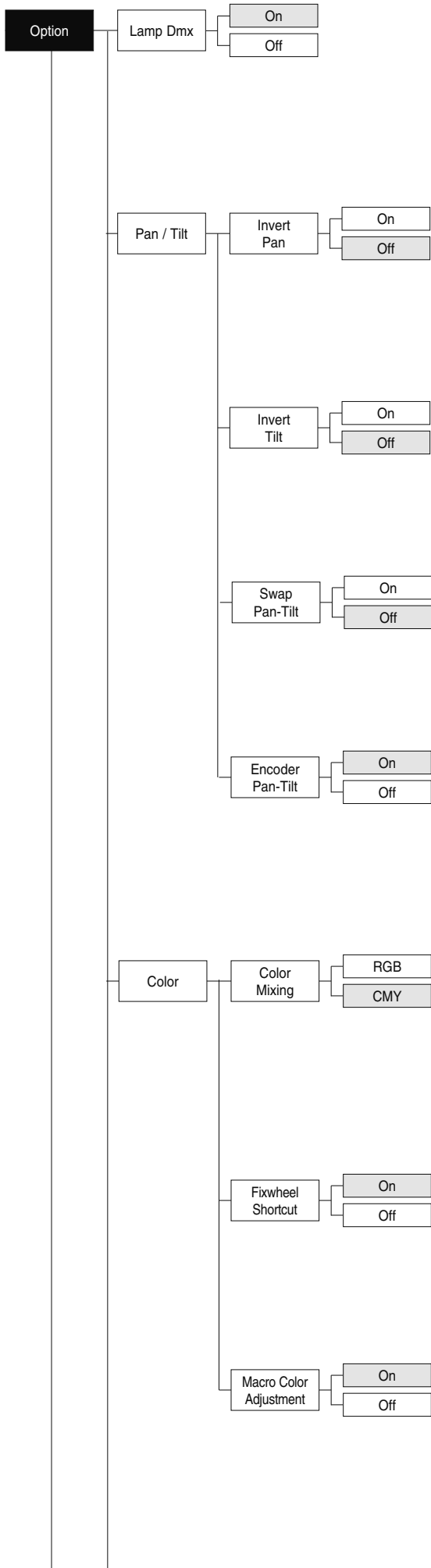
- 1) Press **OK** the current setting appears on the display.
- 2) Use the UP **▲** and DOWN **▼** keys to select one of the following settings:
  - **Disabled:** DMX transmission disabled.
  - **Enabled on primary:** DMX transmission enabled.
- 3) Press **OK** to confirm the selection or LEFT **◀**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





## 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.

### 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.

#### Fixed wheel short-cut

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

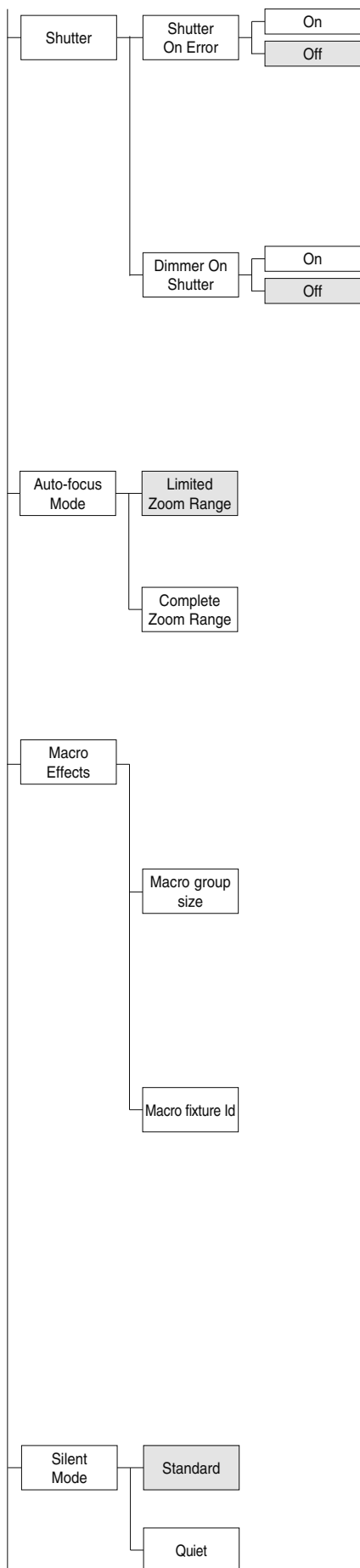
- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) color change optimization.
- 3) Press **OK** to confirm the selection, or LEFT **◀** to keep current settings.

#### 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 the current setting.



## 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 settings.

## 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” 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

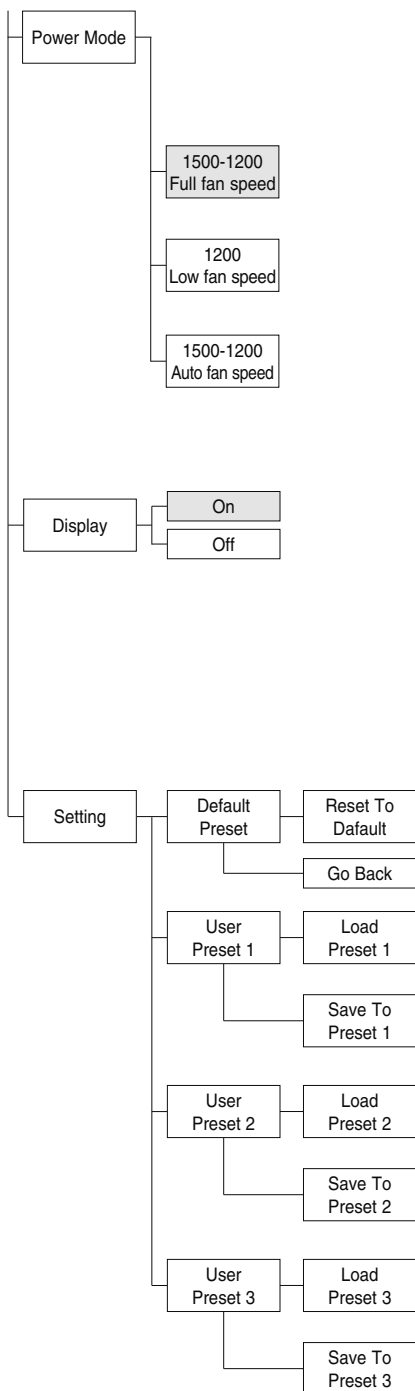
It lets you attribute an ID address to the projector for the phase displacement for the scene’s starting time in Macro mode.

- 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.

## SILENT MODE

It lets you select the “Silent 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:
  - Standard:** Maximum speed and consequently maximum effects noise level.
  - Quiet:** reduces the speed of some effects, thereby reducing their noise level.
- 3) Press **OK** to confirm the selection or LEFT **◀** to keep the current setting.



## 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:
  - 1500-1200W Full fan speed**: Lamp can change from full-power (1500W) to half-power (1200W) using the LAMP CONTROL channel. Fans always work at Full speed
  - 1200W Low fan speed**: Lamp constantly works in half-power mode (1200W) while the Fan always works at Low speed. With LAMP CONTROL channel you can only switch the lamp ON and OFF.
  - 1500-1200W Auto fan speed**: Lamp can change from full-power (1500W) to half-power (1200W) 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                        |
| Colour mixing          | CMY                       |
| Fixed Wheel Shortcut   | On                        |
| Macro Color Adjustment | On                        |
| Shutter on error       | Off                       |
| Dimmer on Shutter      | Off                       |
| Auto-focus mode        | Limited zoom range        |
| Silent mode            | Standard                  |
| Power mode             | 1500-1200w full fan speed |
| Display                | On                        |

System Errors

Fixture Hours

|          |     |
|----------|-----|
| Total    | XXX |
| Partial  | XXX |
| Reset... |     |

Lamp Hours

|          |     |
|----------|-----|
| Total    | XXX |
| Partial  | XXX |
| Reset... |     |

Lamp Strikes

|          |     |
|----------|-----|
| Total    | XXX |
| Partial  | XXX |
| Reset... |     |

System Version

| Board    | Revis. | Hw.rv. |
|----------|--------|--------|
| CPU brd  | x.x.x  | x.x    |
| com.dev  | x.x    |        |
| 0: PT-3f | x.x    | x.x    |
| 1: 8-Ch  | x.x    | x.x    |
| 2: 6-Ch  | x.x    | x.x    |
| 3: 8-Ch  | x.x.   | x.x    |
| 4: 6-Ch  | x.x.   | x.x    |

## INFORMATION MENU

### SYSTEM ERRORS

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

- 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.
- Select YES to reset the list or NO to go back.

### FIXTURE HOURS

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

- 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.
- Press **OK** to reset partial projector working hours a confirmation message (Are you sure?) appears on the display.
- 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).

- 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.
- Press **OK** to reset partial lamp working 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

### LAMP STRIKES

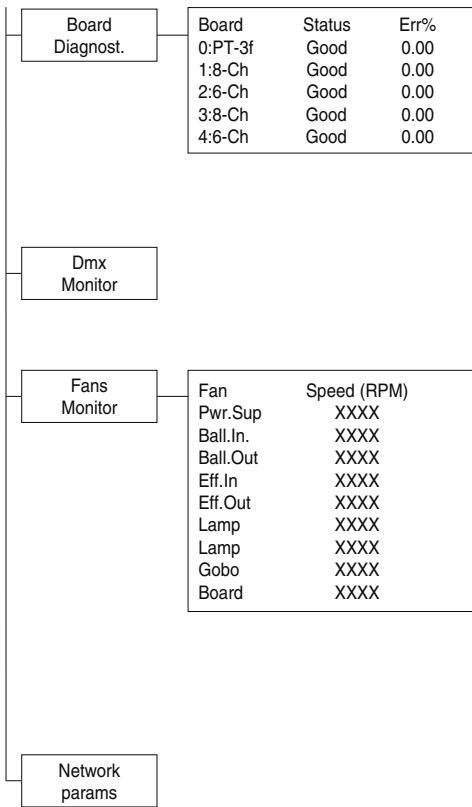
Used for displaying the number of times the lamp was turned on (total and partial).

- 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

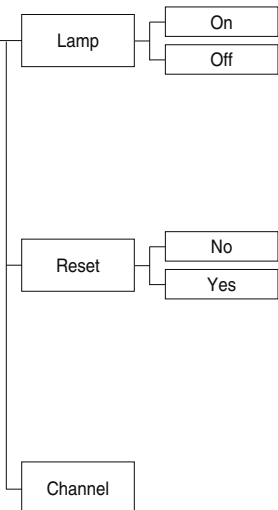
### SISTEM VERSION

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: 8-Ch (8 channel board)  
2: 6-Ch (6 channel board)  
3: 8-Ch (8 channel board)  
4: 6-Ch (6 channel board)



**Manual Control**



**BOARD DIAGNOSTIC**

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

- 0: PT-3f (Pan / Tilt board)
- 1: 8-Ch (8 channel board)
- 2: 6-Ch (6 channel board)
- 3: 8-Ch (8 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:

- Pwr.Sup (Power supply Fan)
- Ball. IN (Ballast IN Fan)
- Ball. Out (Ballast OUT Fan)
- Eff.IN (Effects IN Fan)
- Eff.OUT (Effects OUT Fan)
- Lamp (Lamp Fan)
- Lamp (Lamp Fan)
- Gobo (Gobo Fan)
- Board (Yoke Board Fan)

**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.

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

**RESET**

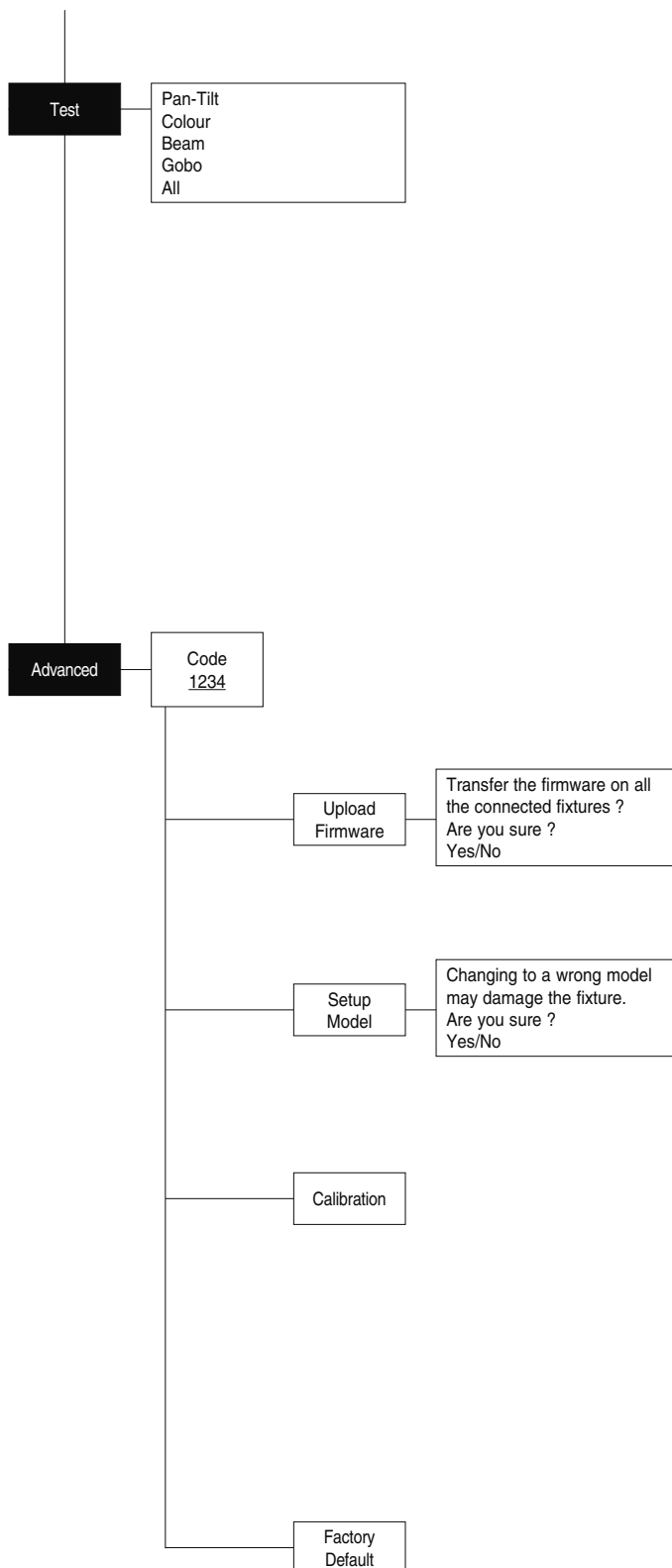
Used for resetting the projector.

- 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, colour wheel, CTO)

Beam effects (Stopper-Strobe / Dimmer / Iris / Prism / Frost, Focus, Zoom, Animation disk)

Gobo effects (Fixed gobo / 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

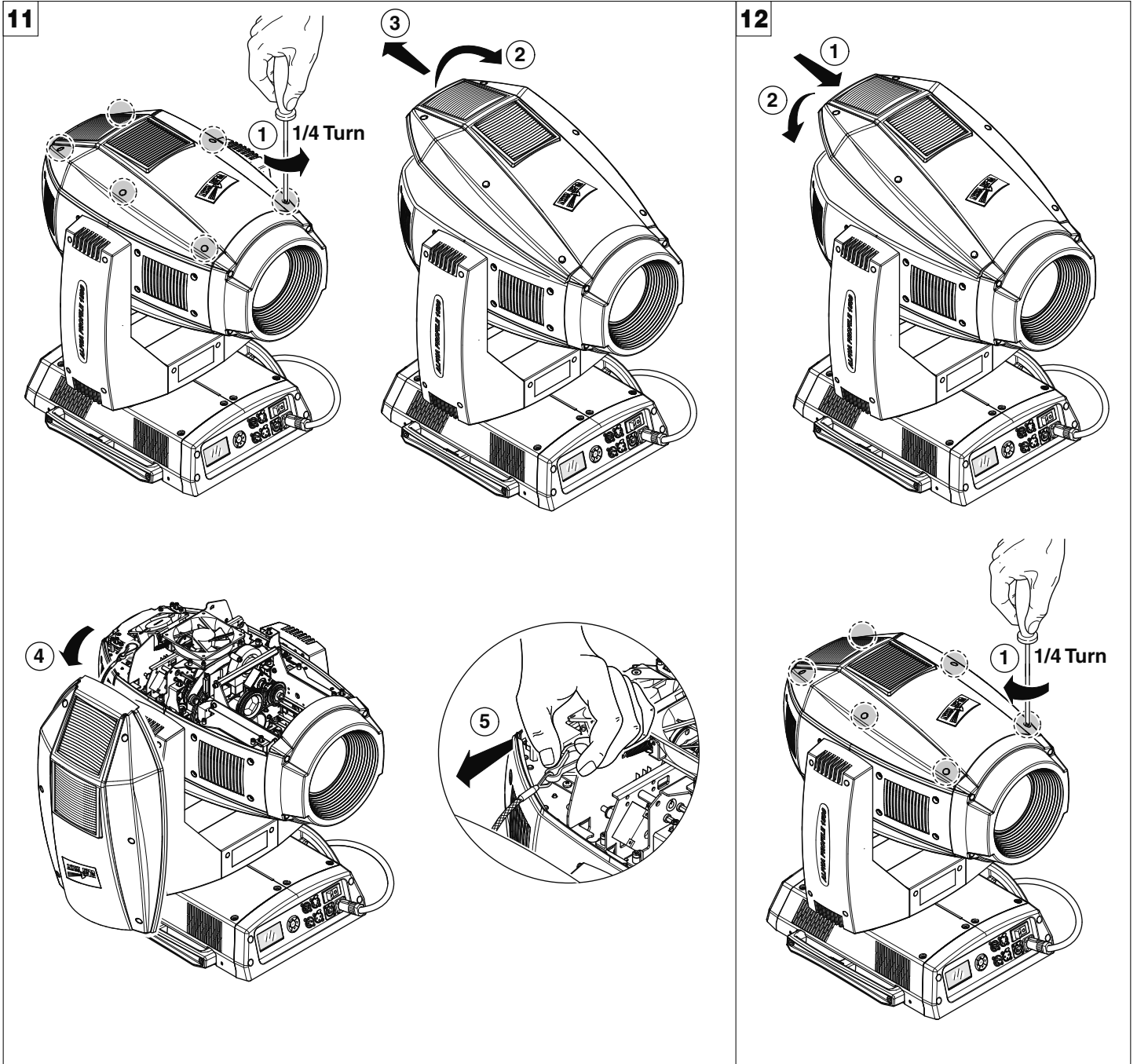
Allows you to adjust effects from the control panel to obtain perfect uniformity between the projectors.

- 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).

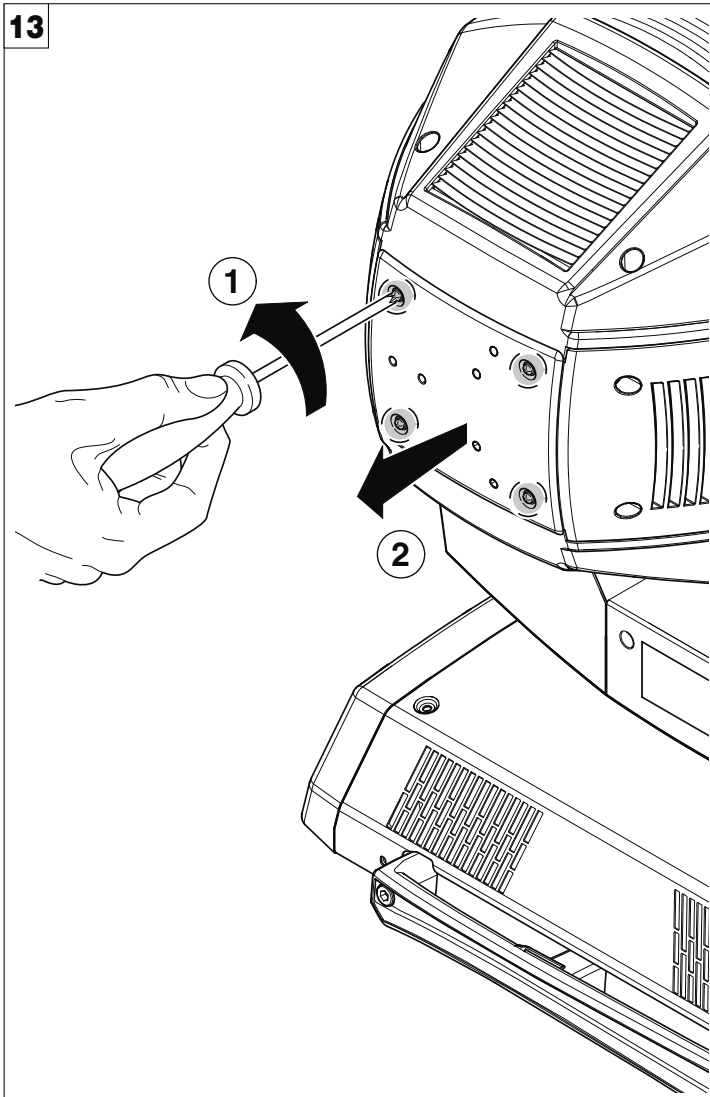
- 1) Press **OK** – a confirmation message appears on the display (Reset calibration to factory default ?).
- 2) Select YES to reset calibration to factory default or NO to keep the current setting and return to the top menu level.



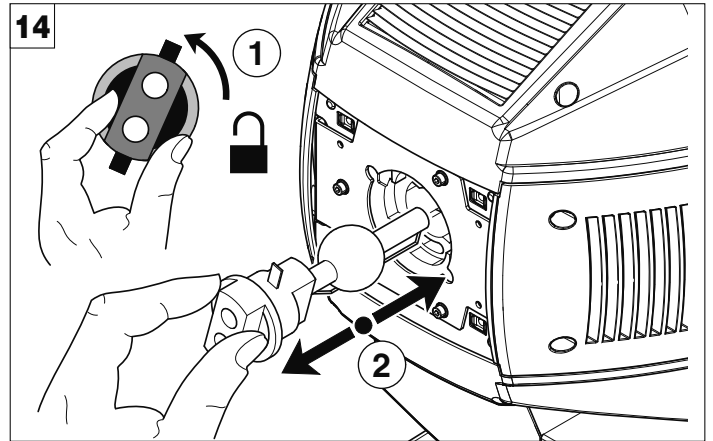
Locking and releasing Pan and Tilt movements - Refer to the instructions in the UNPACKING AND PREPARATION section.

Opening the head covers - Fig. 11.

Closing the head covers - Fig. 12.



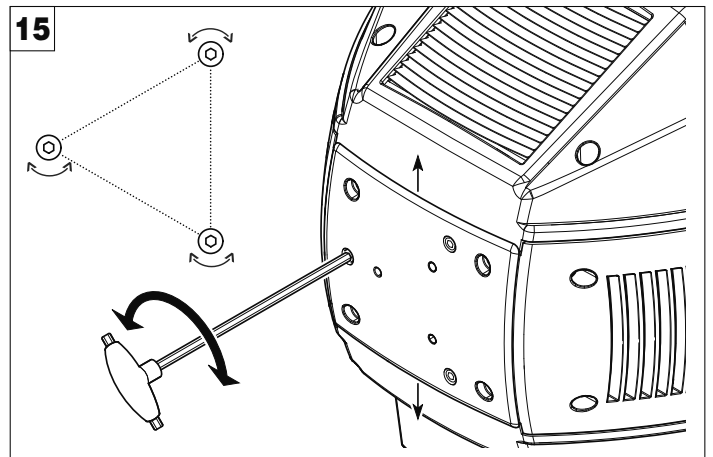
Opening and closing lamp compartment - Fig. 13



Lamp change - Fig 14

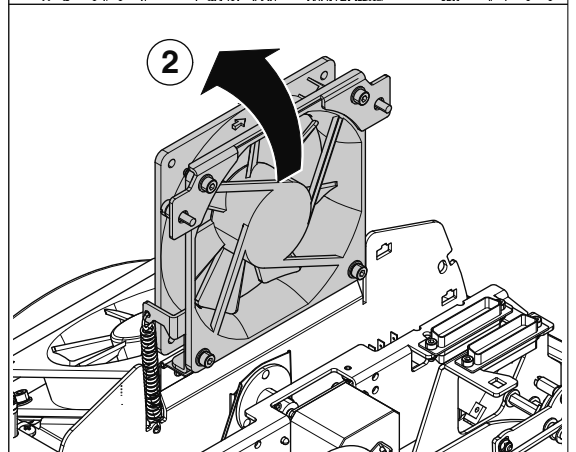
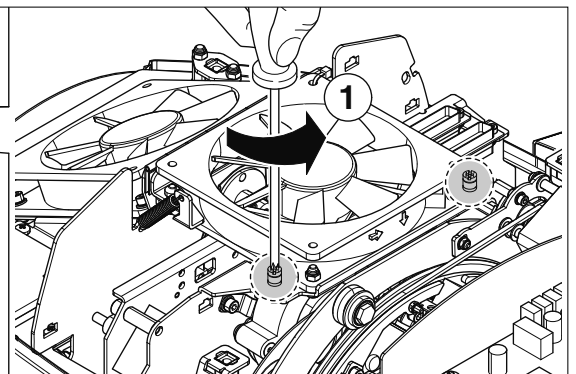
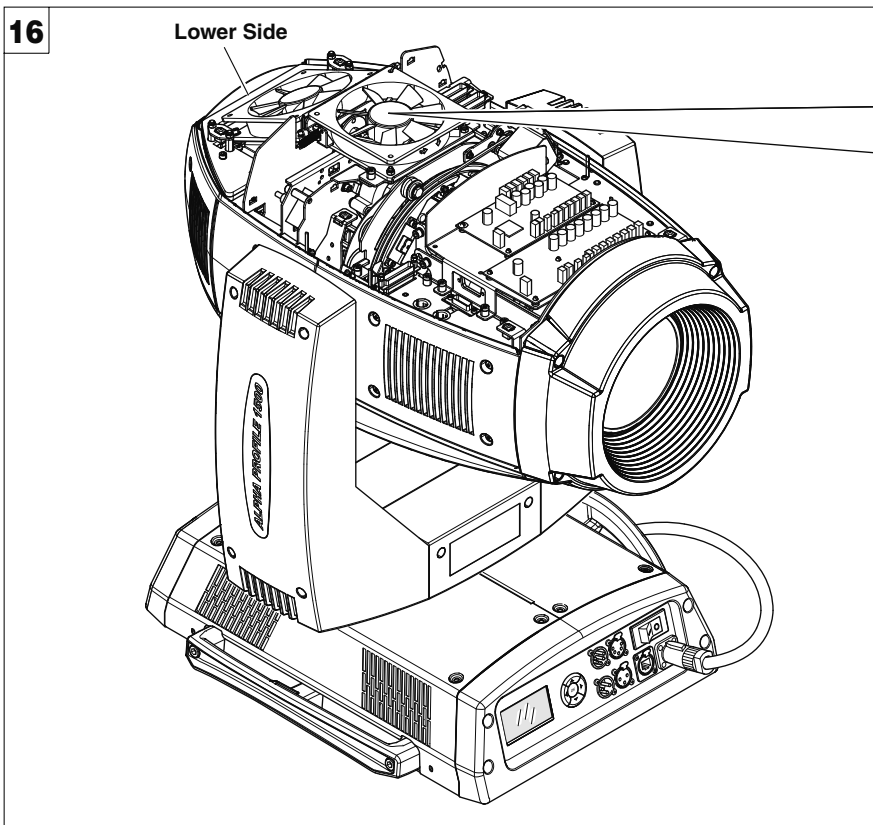
Take the new lamp out of its package and insert in the fitting.

**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.**



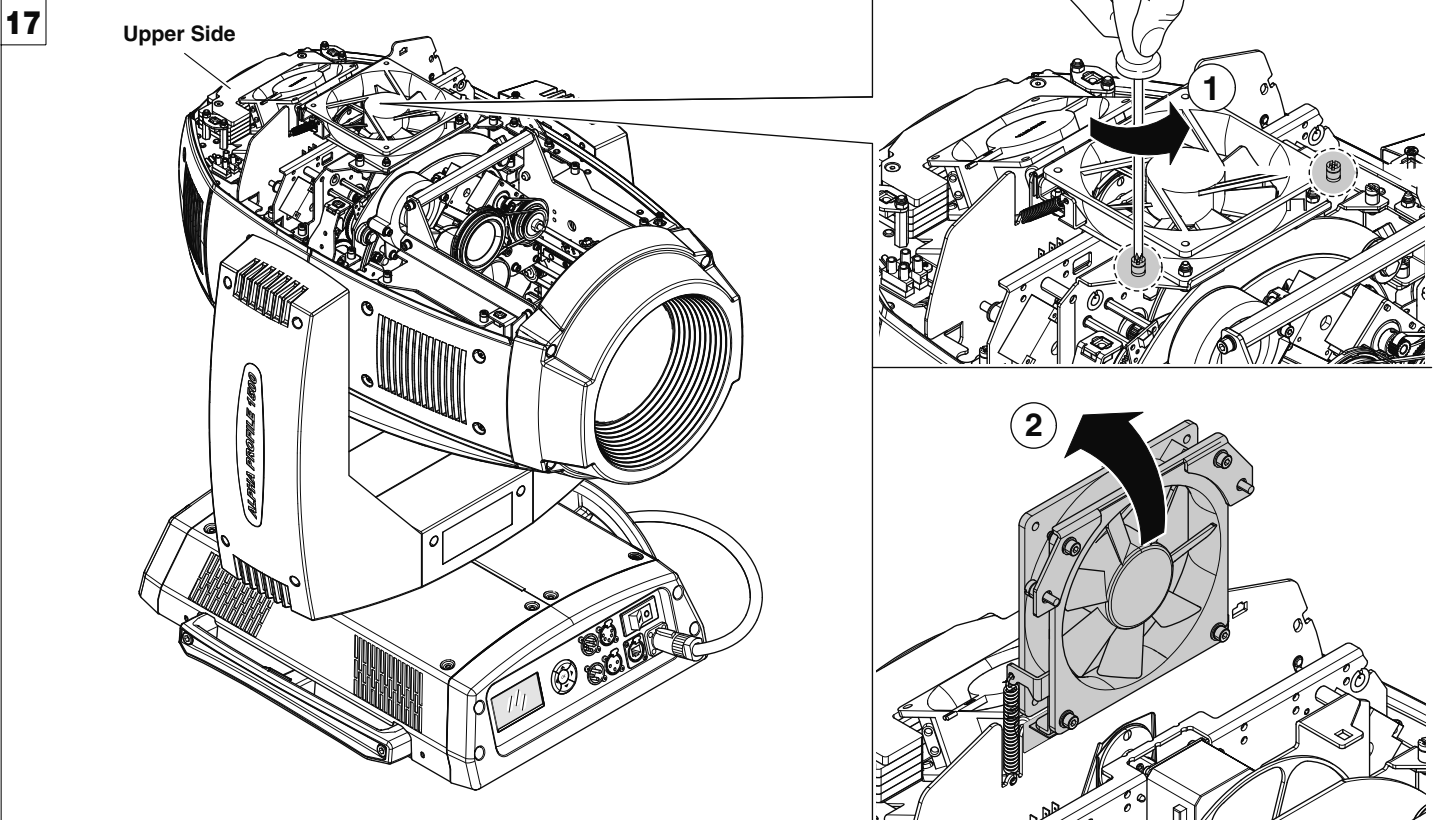
Lamp regulation - Fig. 15

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

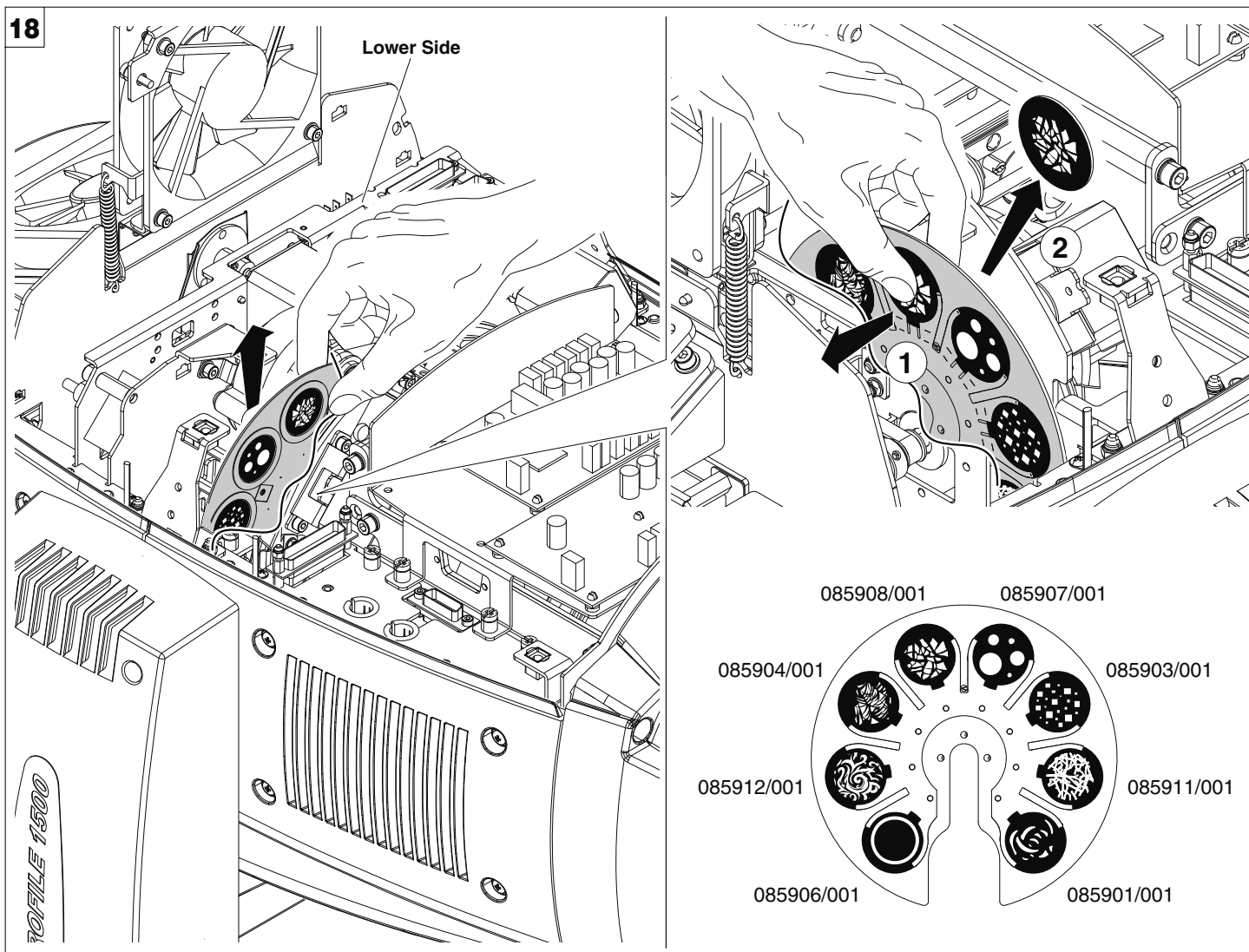


Fan support plate opening and closing (Lower side) - Fig. 16

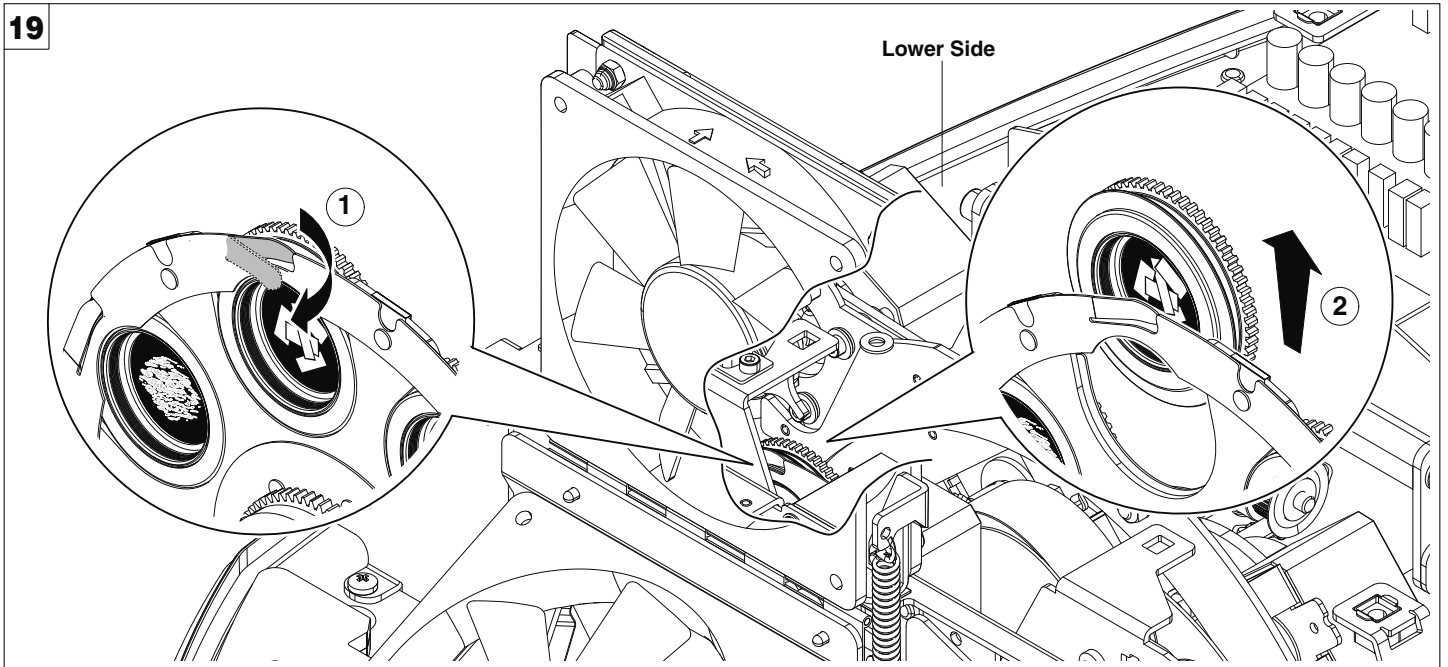




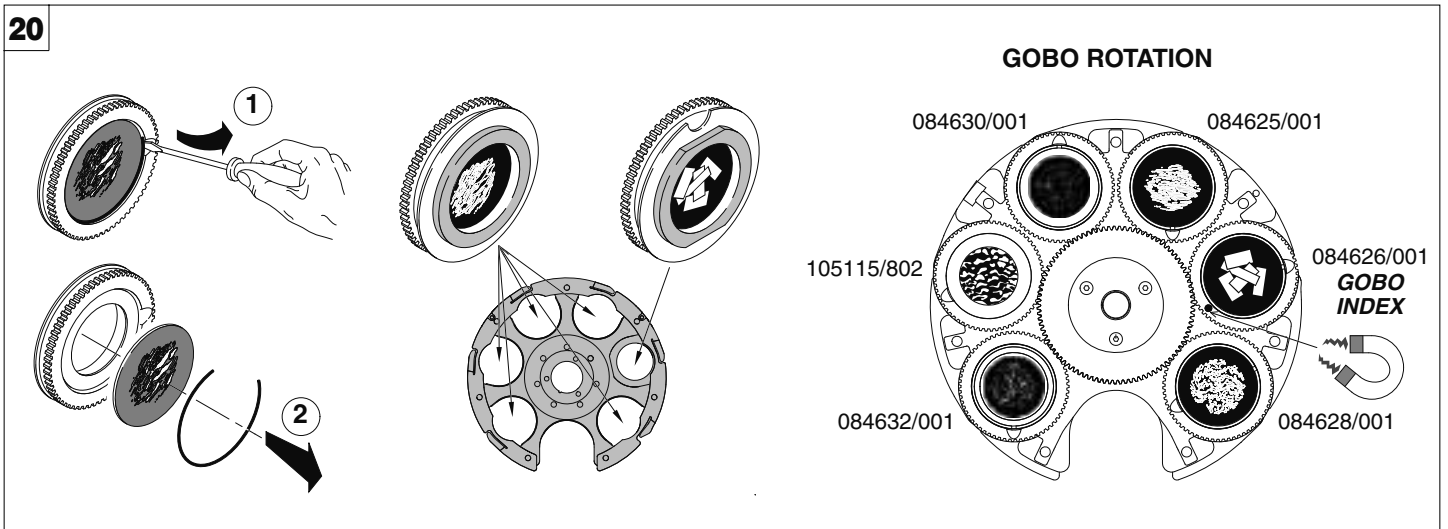
Fan support plate opening and closing (Upper side) - Fig. 17



Replacing fixed gobos (ø 31.5 mm - max 25 mm image - thickness max 1 mm) - Fig. 18  
**IMPORTANT:** Please contact CLAY PAKY before using customized gobos.



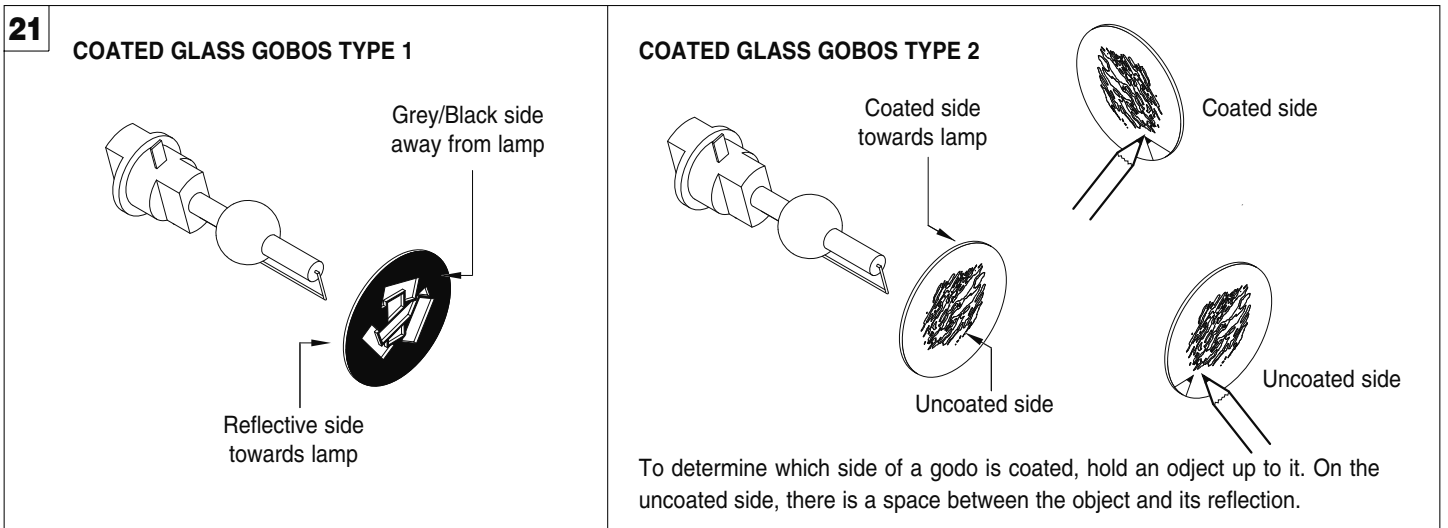
**Bearing group replacement - Fig. 19**



**Replacing rotating gobos (ø 37.5 mm - max 25 mm image – thickness 1 mm) - Fig. 20**

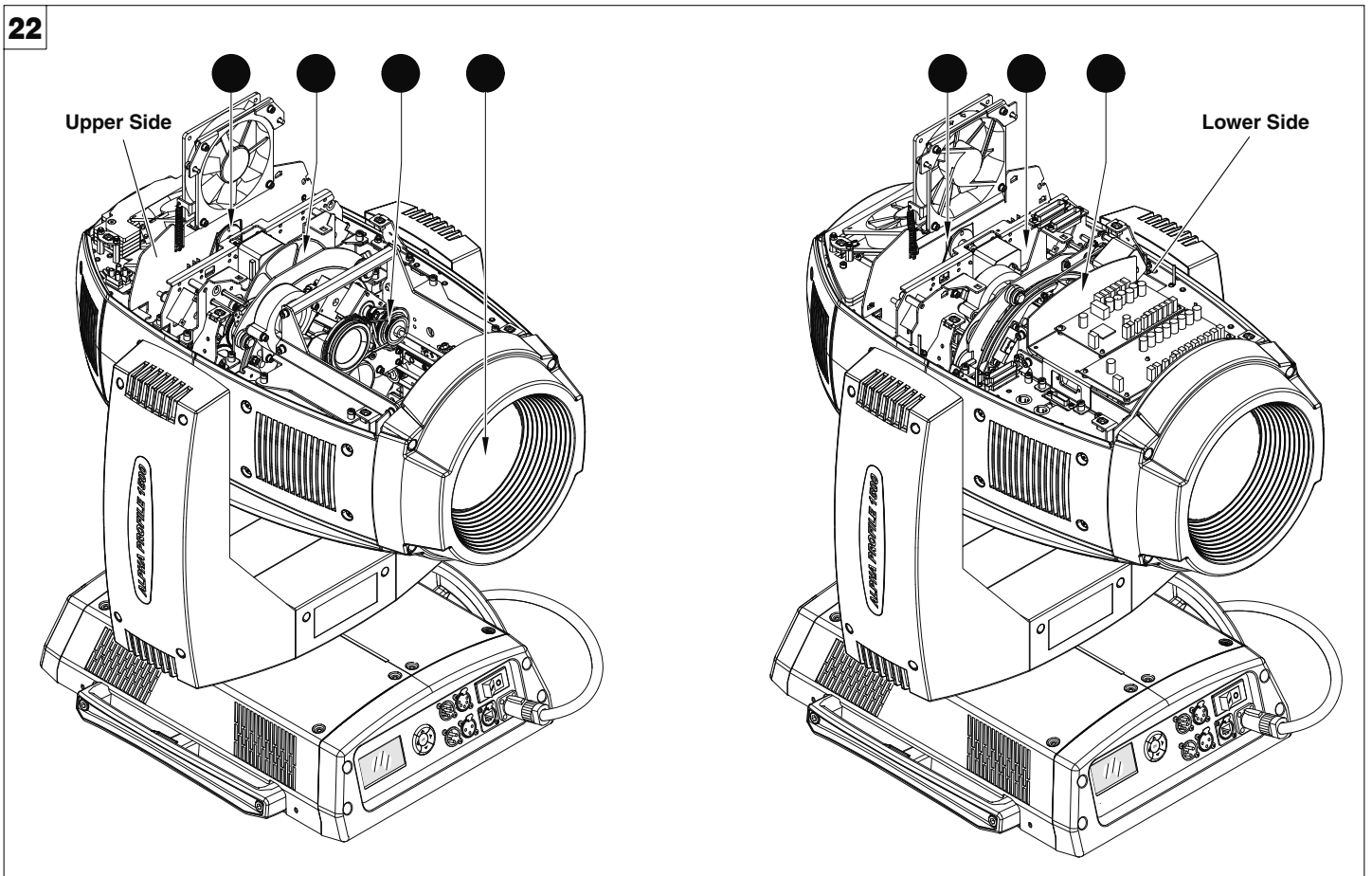
**IMPORTANT:** Please contact CLAY PAKY before using customized gobos.

**IMPORTANT:** Use only glass gobos on the rotating gobos wheels.



**Gobo orientation - Fig. 21**

The pictures shown the correct gobos orientation.

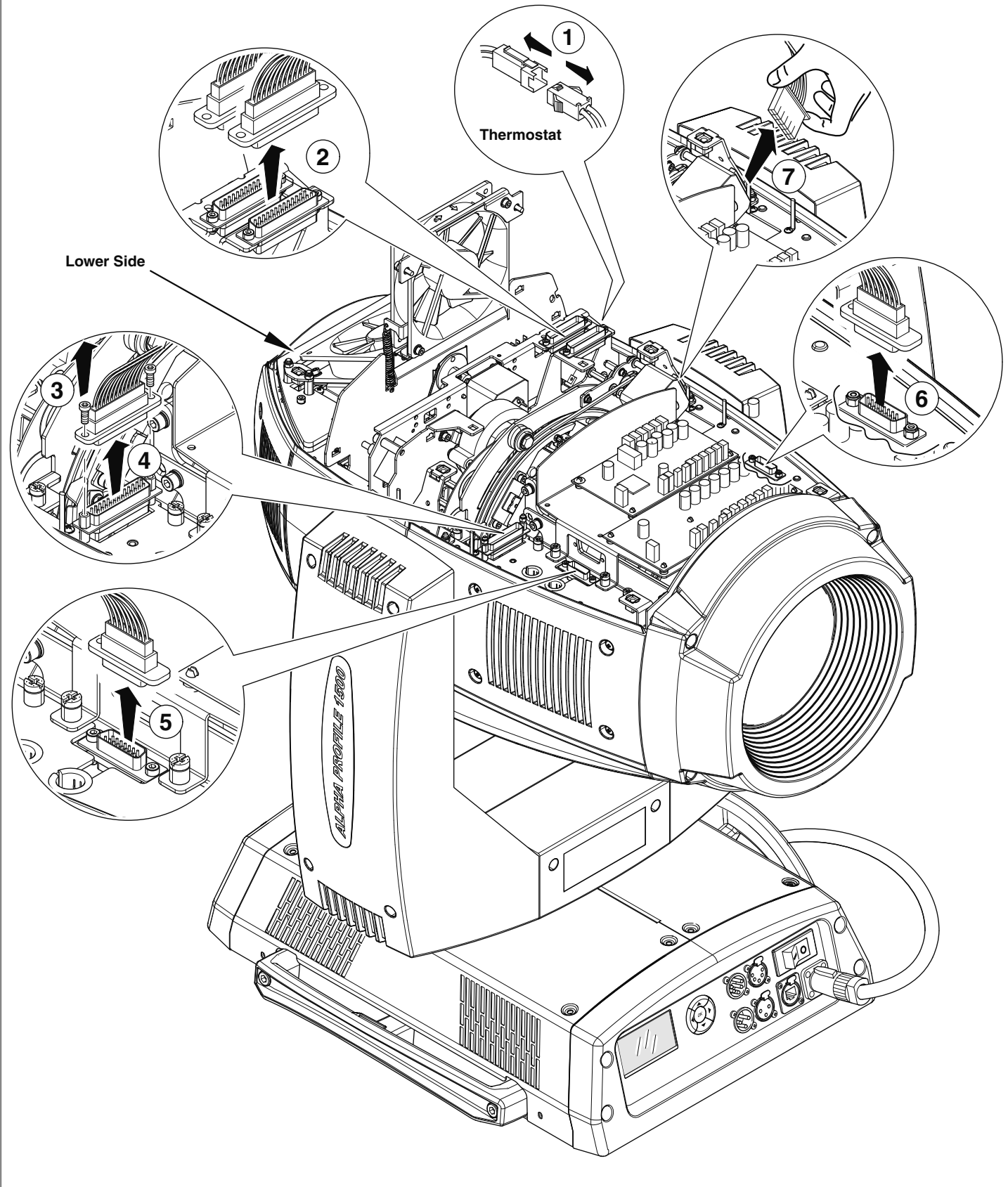


#### Periodical cleaning - Fig. 22

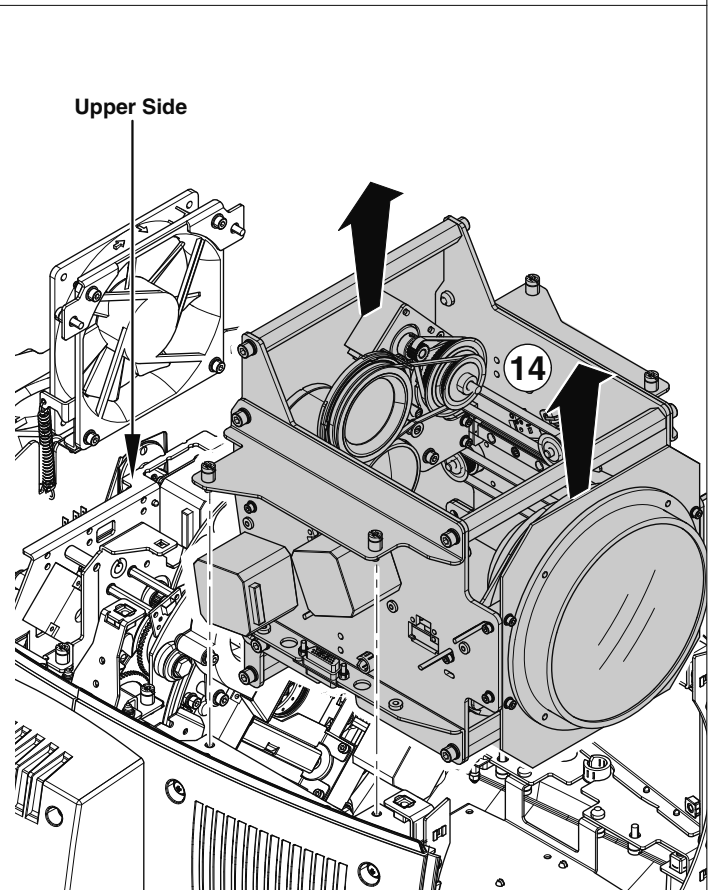
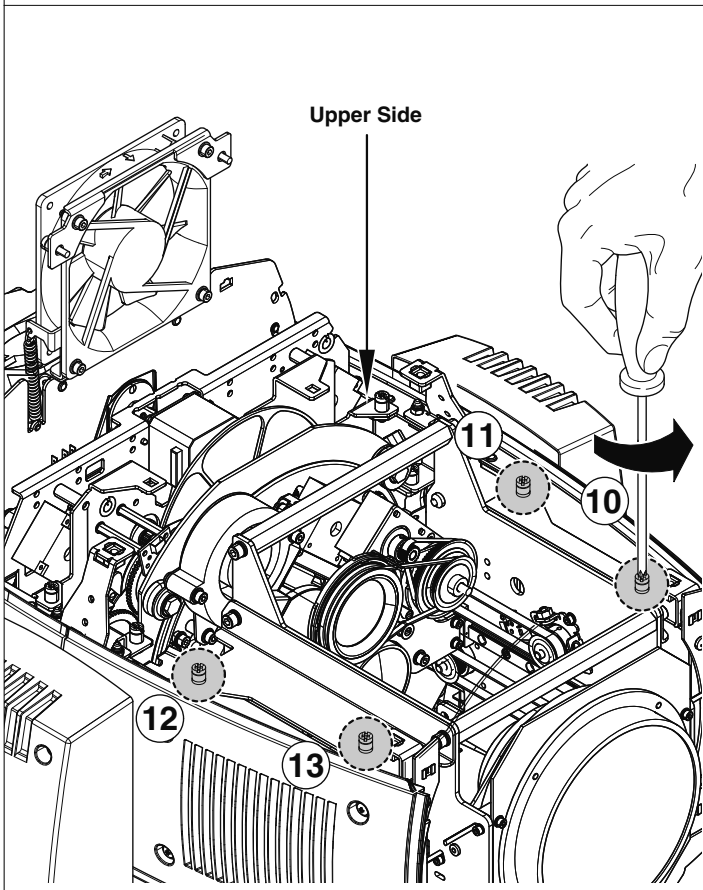
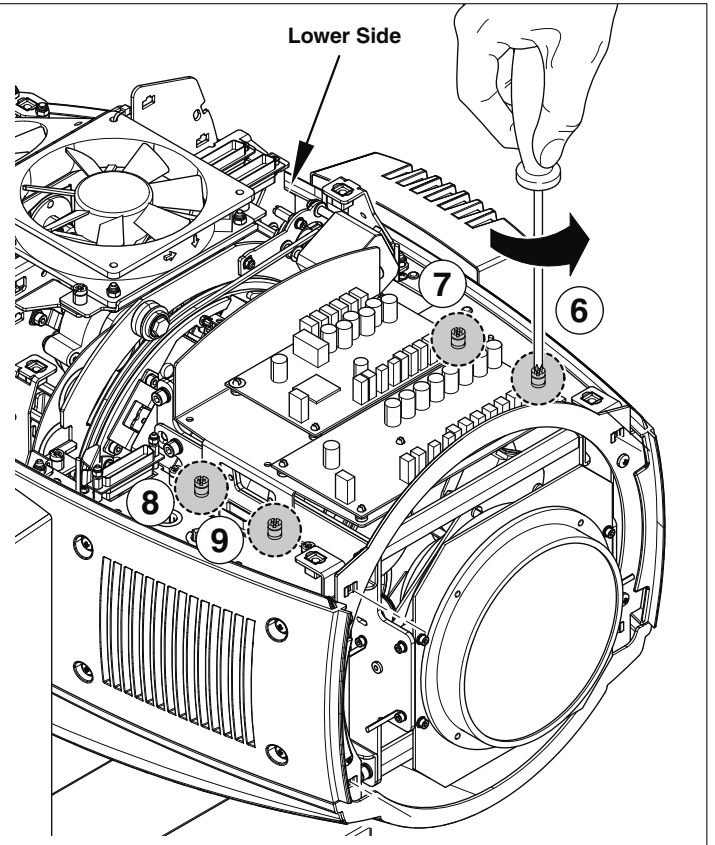
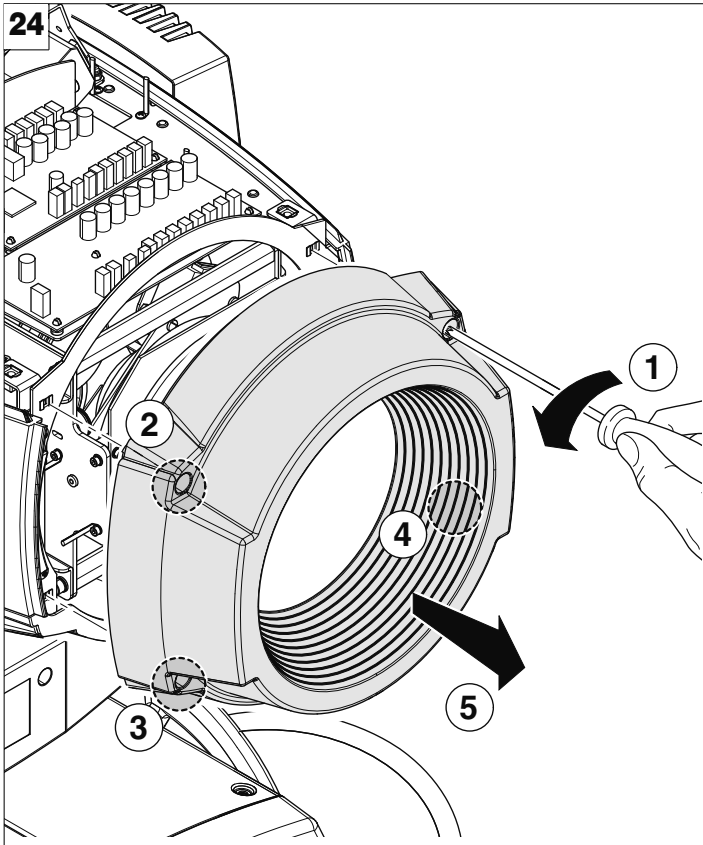
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the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



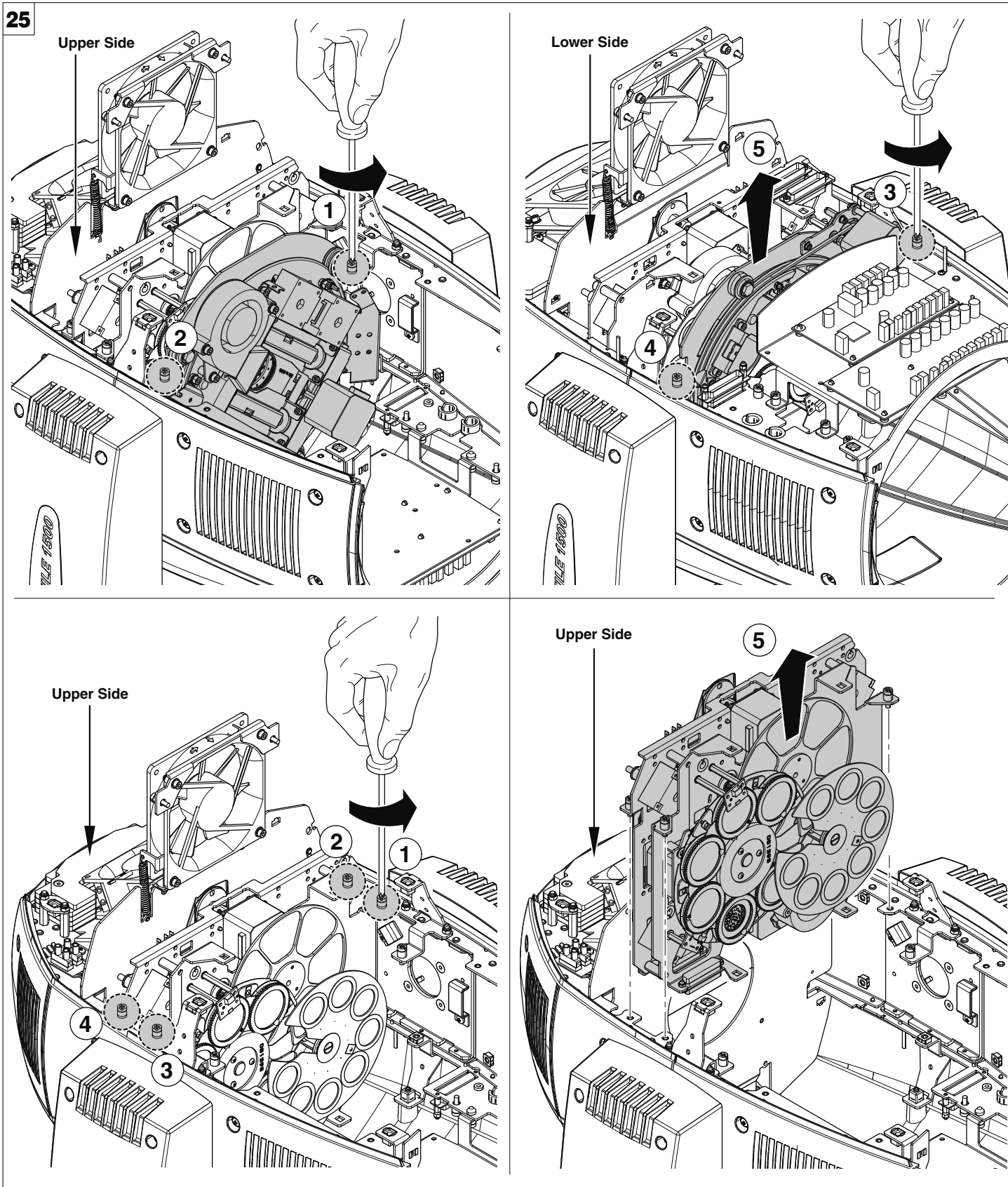
Extraction of the effect modules: Preliminary operations - Fig. 23



Extraction of the effect modules - Fig. 24

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

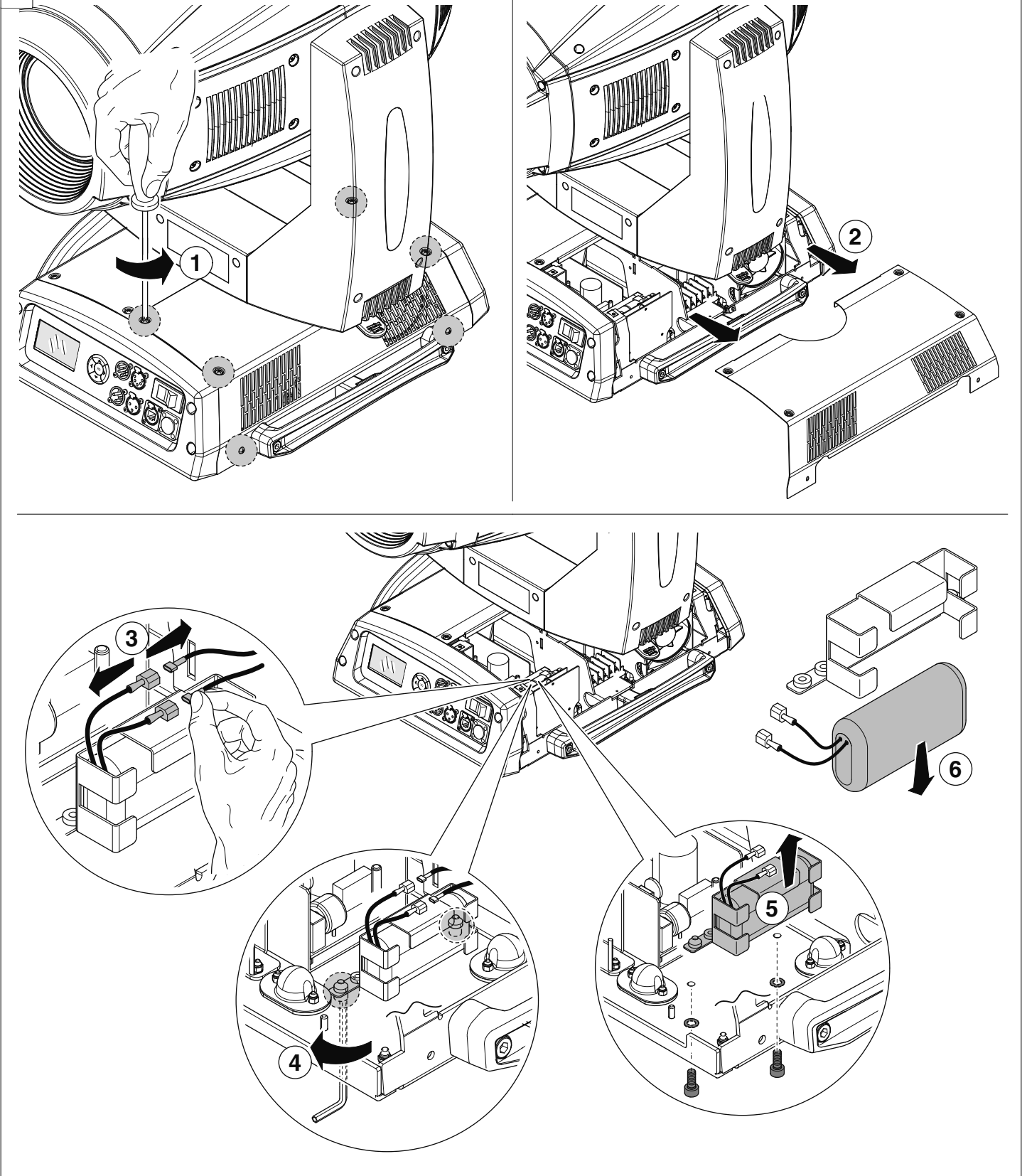
**Insertion of the effect modules:** Repeat the operations indicated in Fig. 24 and 25 in reverse order



Extraction of the effect modules - Fig 25

**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. 24 and 25 in reverse order



Battery removal - Fig. 26



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

## TECHNICAL INFORMATION

### Power supplies available

200-240V 50/60Hz

### Input power

2000VA a 230V 50Hz.

### Total output

Max 27000 lumens.

### Lamp

Discharge lamp.

Type HTI 1500W/60/P50-L Lok-it Osram (L10102)

- Cap PGJ50
- Colour temperature 6000 K
- Luminous flux 135000 lm
- Average life 750 h
- Any working position

### Motors

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

### Optical unit

Elliptic reflector with high luminous efficiency

### Channels

Max 41 control channels.

### Inputs

DMX 512

### Movable body

- Movement by means of two stepper motors, controlled by microprocessor.
- Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.
- Travel:
  - PAN = 540°
  - TILT = 252°
- Maximum speeds:
  - PAN = 4.0 sec (360°)
  - TILT = 3.2 sec (252°)
- 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.

### CE Marking

Complies with the following European Directives

- 2006/95/EC (LVD)
- 2004/108/EC (EMC)
- 2011/65/EU (RoHS).

### 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

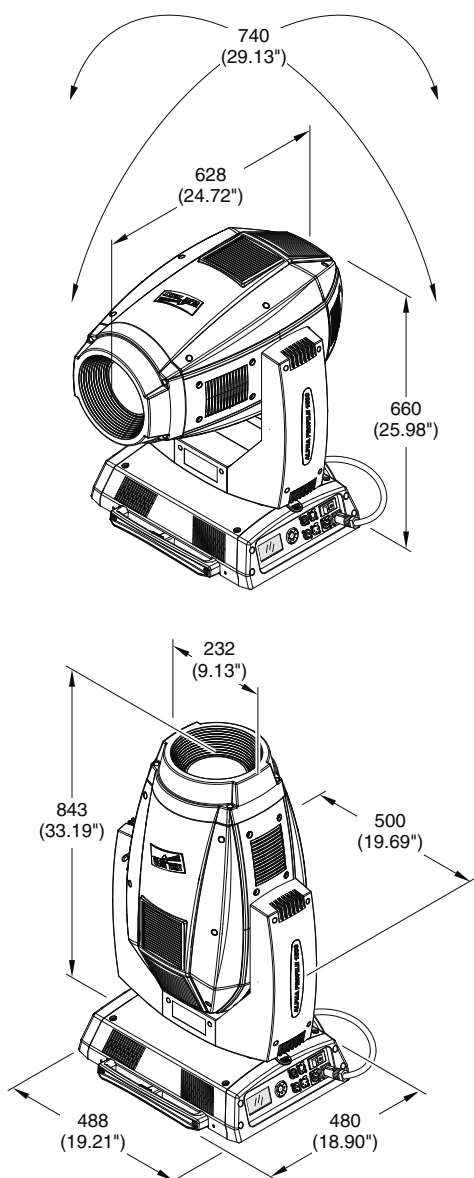
- Aluminium structure with die-cast plastic cover.
- Two side handles for transportation.
- Device locking PAN and TILT mechanisms for transportation and maintenance.

### Working position

Functioning in any position.

### Weights

50.35 Kg (110lbs, 12ozs).



## CAUSE AND SOLUTION OF PROBLEMS

| THE PROJECTOR WILL NOT SWITCH ON |   |   | <b>PROBLEMS</b>                       |
|----------------------------------|---|---|---------------------------------------|
| ELECTRONICS NON-OPERATIONAL      |   |   |                                       |
| DEFECTIVE PROJECTION             |   |   |                                       |
| REDUCED LUMINOSITY               |   |   |                                       |
| <b>POSSIBLE CAUSES</b>           |   | <b>CHECKS AND REMEDIES</b>                        |                                       |
| ●                                |   | 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 1500

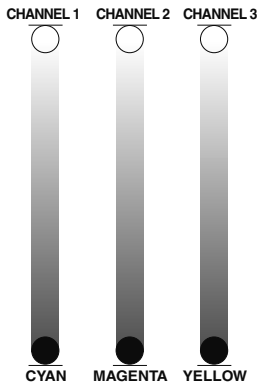
NB: To prevent accidental breakage of the effects, which could collide with each other during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0%).

| 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      | STATIC GOBO CHANGE                       | STATIC GOBO CHANGE                       |
| 12      | ROTATING GOBO CHANGE                     | ROTATING GOBO CHANGE                     |
| 13      | GOBO ROTATION                            | GOBO ROTATION                            |
| 14      | GOBO FINE                                | GOBO FINE                                |
| 15      | ROTATING PRISM CHANGE                    | ROTATING PRISM CHANGE                    |
| 16      | PRISM ROTATION                           | PRISM ROTATION                           |
| 17      | FROST INSERTION                          | FROST INSERTION                          |
| 18      | BLADE UP1                                | BLADE UP1                                |
| 19      | BLADE UP2                                | BLADE UP2                                |
| 20      | BLADE DW1                                | BLADE DW1                                |
| 21      | BLADE DW2                                | BLADE DW2                                |
| 22      | BLADE RG1                                | BLADE RG1                                |
| 23      | BLADE RG2                                | BLADE RG2                                |
| 24      | BLADE LF1                                | BLADE LF1                                |
| 25      | BLADE LF2                                | BLADE LF2                                |
| 26      | FRAMING ROTATION                         | FRAMING ROTATION                         |
| 27      | FOCUS                                    | FOCUS                                    |
| 28      | FOCUS FINE                               | FOCUS FINE                               |
| 29      | ZOOM                                     | ZOOM                                     |
| 30      | AUTOFOCUS DISTANCE                       | AUTOFOCUS DISTANCE                       |
| 31      | AUTOFOCUS ADJUSTMENT                     | AUTOFOCUS ADJUSTMENT                     |
| 32      | MACRO EFFECTS                            | MACRO EFFECTS                            |
| 33      | PAN                                      | PAN                                      |
| 34      | PAN FINE                                 | PAN FINE                                 |
| 35      | TILT                                     | TILT                                     |
| 36      | TILT FINE                                | TILT FINE                                |
| 37      | FUNCTION                                 | FUNCTION                                 |
| 38      | RESET                                    | RESET                                    |
| 39      | LAMP CONTROL (with Option "Lamp DMX" ON) | LAMP CONTROL (with Option "Lamp DMX" ON) |
| 40      |  | PAN-TILT TIME                            |
| 41      |  | COLOUR TIME                              |
| 42      |  | BEAM TIME                                |
| 43      |  | GOBO TIME                                |

NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 50% - Tilt 50%) all the others channels stay at 0%.

• COLOUR MIXING - channel 1 - 2 - 3

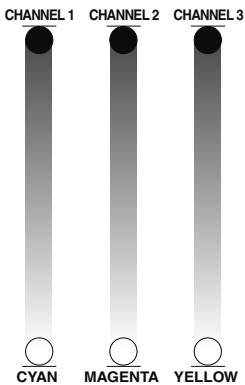
Operation with option color mixing: RGB



| BIT | EFFECT          |
|-----|-----------------|
| 255 | COLOUR EXCLUDED |
| 0   | COLOUR INSERTED |

**IMPORTANT:** The lamp dim to half power 1 second after all the 3 channels stay at 0% level. The lamp goes back to full power when the channels level is put higher than 0%.

Operation with option color mixing: CMY



| BIT | EFFECT          |
|-----|-----------------|
| 255 | COLOUR INSERTED |
| 0   | COLOUR EXCLUDED |

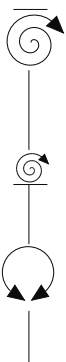
**IMPORTANT:** The lamp dim to half power 1 second after all the 3 channels stay at 100% level. The lamp goes back to full power when the channels level is put lower than 100%.

• C.T.O. - channel 4



| BIT | EFFECT          |
|-----|-----------------|
| 255 | FILTER INSERTED |
| 0   | FILTER EXCLUDED |

• COLOUR WHEEL - channel 5



| BIT | EFFECT                |
|-----|-----------------------|
| 255 | FAST ROTATION 160 rpm |
| 128 | SLOW ROTATION 0.2rpm  |
| 117 | BLUE                  |
| 97  | ORANGE                |
| 77  | AQUAMARINE            |
| 58  | GREEN                 |
| 39  | PINK                  |
| 20  | RED                   |
| 0   | WHITE                 |

• MACRO COLOURS - channel 6

| COLOR NAME                                  | BIT     | ROSCO CODE | LEE CODE | CYAN BIT | MAGENTA BIT | YELLOW BIT | CTO BIT | WHEEL BIT |
|---|---------|------------|----------|----------|-------------|------------|---------|-----------|
| Unused Range                                | 148-255 | -          | -        | -        | -           | -          | -       | -         |
| Half CT straw                               | 146-147 | 442        | 442      | 0        | 0           | 34         | 190     | 0         |
| Lighter blue                                | 144-145 | 353        | 353      | 226      | 0           | 149        | 138     | 0         |
| Glacier blue                                | 142-143 | 352        | 352      | 220      | 0           | 129        | 138     | 0         |
| Fuschia pink                                | 140-141 | 345        | 345      | 109      | 186         | 77         | 120     | 0         |
| Mallard green                               | 138-139 | 325        | 325      | 255      | 0           | 0          | 236     | 58        |
| Jade  | 136-137 | 323        | 323      | 127      | 0           | 162        | 0       | 77        |
| 3/4 CT Orange                               | 134-135 | 285        | 285      | 0        | 36          | 61         | 217     | 0         |
| 3/4 CTB                                     | 132-133 | 281        | 281      | 85       | 79          | 87         | 54      | 0         |
| Half minus green                            | 130-131 | 248        | 248      | 60       | 19          | 86         | 75      | 39        |
| Minus green                                 | 128-129 | 247        | 247      | 60       | 71          | 86         | 75      | 39        |
| 1/4 CTO                                     | 126-127 | 206        | 206      | 62       | 71          | 123        | 122     | 0         |
| 1/2 CTO                                     | 124-125 | 205        | 205      | 25       | 26          | 45         | 131     | 0         |
| Full CT Orange                              | 122-123 | 204        | 204      | 0        | 44          | 58         | 234     | 0         |
| 1/4 CTB                                     | 120-121 | 203        | 203      | 75       | 54          | 91         | 109     | 0         |
| 1/2 CTB                                     | 118-119 | 202        | 202      | 85       | 71          | 84         | 89      | 0         |
| Full CTB                                    | 116-117 | 201        | 201      | 94       | 79          | 80         | 0       | 0         |
| Alice Blue                                  | 114-115 | 197        | 197      | 236      | 51          | 0          | 205     | 0         |
| Congo Blue                                  | 112-113 | 181        | 181      | 251      | 241         | 0          | 255     | 0         |
| Dark Lavender                               | 110-111 | 180        | 180      | 195      | 170         | 0          | 160     | 0         |
| Chrome Orange                               | 108-109 | 179        | 179      | 0        | 98          | 255        | 255     | 0         |
| Lagoon blue                                 | 106-107 | 172        | 172      | 224      | 0           | 121        | 40      | 79        |
| Deep Lavender                               | 104-105 | 170        | 170      | 100      | 129         | 77         | 120     | 0         |
| Lilac tint                                  | 102-103 | 169        | 169      | 41       | 59          | 39         | 120     | 0         |
| Daylight Blue                               | 100-101 | 165        | 165      | 210      | 73          | 105        | 88      | 0         |
| Flame red                                   | 98-99   | 164        | 164      | 0        | 255         | 227        | 255     | 97        |
| Bastard amber                               | 96-97   | 162        | 162      | 0        | 26          | 0          | 199     | 0         |
| Deep Orange                                 | 94-95   | 158        | 158      | 0        | 148         | 255        | 255     | 0         |
| Pink  | 92-93   | 157        | 157      | 0        | 159         | 0          | 255     | 0         |
| Pale rose                                   | 90-91   | 154        | 154      | 0        | 48          | 0          | 189     | 0         |
| Pale Gold                                   | 88-89   | 152        | 152      | 0        | 60          | 98         | 138     | 0         |
| Bright rose                                 | 86-87   | 148        | 148      | 0        | 255         | 0          | 255     | 0         |
| Apricot                                     | 84-85   | 147        | 147      | 0        | 81          | 55         | 255     | 0         |
| Bright Blue                                 | 82-83   | 141        | 141      | 182      | 0           | 99         | 92      | 77        |
| Primary green                               | 80-81   | 139        | 139      | 0        | 0           | 0          | 231     | 58        |
| Light green                                 | 78-79   | 121        | 121      | 0        | 0           | 255        | 0       | 77        |
| Pale green                                  | 76-77   | 138        | 138      | 105      | 0           | 179        | 100     | 0         |
| Special Lavender                            | 74-75   | 137        | 137      | 97       | 105         | 72         | 90      | 0         |
| Pale Lavender                               | 72-73   | 136        | 136      | 73       | 102         | 44         | 120     | 0         |
| Deep golden amber                           | 70-71   | 135        | 135      | 0        | 255         | 255        | 255     | 0         |
| Golden amber                                | 68-69   | 134        | 134      | 0        | 142         | 234        | 110     | 0         |
| Medium blue                                 | 66-67   | 132        | 132      | 255      | 152         | 127        | 0       | 77        |
| Marine blue                                 | 64-65   | 131        | 131      | 60       | 0           | 106        | 73      | 77        |
| Bright pink                                 | 62-63   | 128        | 128      | 0        | 255         | 0          | 197     | 0         |
| Mauve                                       | 60-61   | 126        | 126      | 0        | 255         | 0          | 255     | 74        |
| Fern Green                                  | 58-59   | 122        | 122      | 173      | 0           | 235        | 89      | 0         |
| Leaf green                                  | 56-57   | 121        | 121      | 136      | 0           | 241        | 64      | 0         |
| Deep Blue                                   | 54-55   | 120        | 120      | 255      | 229         | 58         | 128     | 77        |
| Dark blue                                   | 52-53   | 119        | 119      | 255      | 161         | 0          | 0       | 77        |
| Light blue                                  | 50-51   | 118        | 118      | 245      | 0           | 145        | 138     | 0         |
| Steel blue                                  | 48-49   | 117        | 117      | 167      | 0           | 141        | 165     | 0         |
| Medium blue green                           | 46-47   | 116        | 116      | 189      | 0           | 157        | 91      | 77        |
| Peacock blue                                | 44-45   | 115        | 115      | 136      | 0           | 128        | 91      | 77        |
| Dark pink                                   | 42-43   | 111        | 111      | 0        | 139         | 0          | 220     | 0         |
| Light Salmon                                | 40-41   | 109        | 109      | 50       | 121         | 58         | 230     | 0         |
| English rose                                | 38-39   | 108        | 108      | 0        | 62          | 0          | 247     | 0         |
| Light rose                                  | 36-37   | 107        | 107      | 0        | 95          | 0          | 220     | 0         |
| Primary red                                 | 34-35   | 106        | 182      | 0        | 0           | 0          | 0       | 20        |
| Orange                                      | 32-33   | 105        | 105      | 0        | 182         | 255        | 76      | 0         |
| Deep amber                                  | 30-31   | 104        | 104      | 0        | 26          | 199        | 223     | 0         |
| Straw                                       | 28-29   | 103        | 103      | 58       | 17          | 104        | 176     | 0         |
| Light amber                                 | 26-27   | 102        | 102      | 0        | 0           | 171        | 193     | 0         |
| Yellow                                      | 24-25   | 101        | 101      | 0        | 0           | 255        | 149     | 0         |
| Spring yellow                               | 22-23   | 100        | 100      | 80       | 0           | 227        | 157     | 0         |
| Dark Yellow Green                           | 20-21   | 90         | 90       | 255      | 0           | 255        | 204     | 0         |
| Lime green                                  | 18-19   | 88         | 88       | 118      | 0           | 241        | 124     | 0         |
| Just Blue                                   | 16-17   | 79         | 79       | 255      | 77          | 0          | 204     | 0         |
| Tokyo Blue                                  | 14-15   | 71         | 71       | 255      | 255         | 0          | 180     | 77        |
| Sky blue                                    | 12-13   | 068        | 068      | 245      | 77          | 64         | 173     | 0         |
| Pale blue                                   | 10-11   | 063        | 063      | 122      | 0           | 112        | 127     | 0         |
| Lavender                                    | 8-9     | 058        | 058      | 165      | 186         | 77         | 0       | 0         |
| Bright Red                                  | 6-7     | 026        | 026      | 0        | 255         | 0          | 255     | 21        |
| Med Yellow                                  | 4-5     | 010        | 010      | 48       | 0           | 239        | 115     | 0         |
| Med bastard amber                           | 2-3     | 004        | 004      | 0        | 62          | 78         | 159     | 0         |
| Random Macro Color (only for Macro effects) | 1       | -          | -        | -        | -           | -          | -       | -         |
| Unused Range                                | 0       | -          | -        | -        | -           | -          | -       | -         |

• 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% level. The lamp goes back to full power when the channel level is put higher than 0%.

• DIMMER - channel 8



| BIT   | EFFECT |
|-------|--------|
| 255   |        |
| ..... | .....  |
| 0     |        |

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

• DIMMER FINE - channel 9



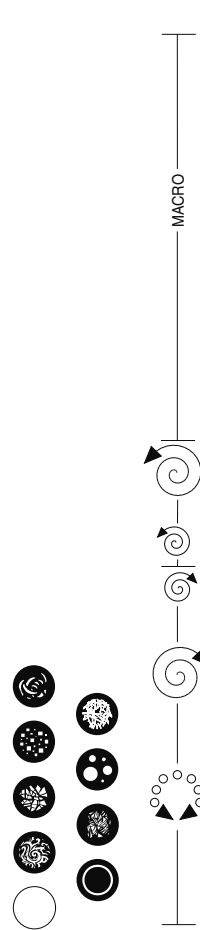
| BIT   | EFFECT |
|-------|--------|
| 255   |        |
| ..... | .....  |
| 0     |        |

• IRIS - channel 10



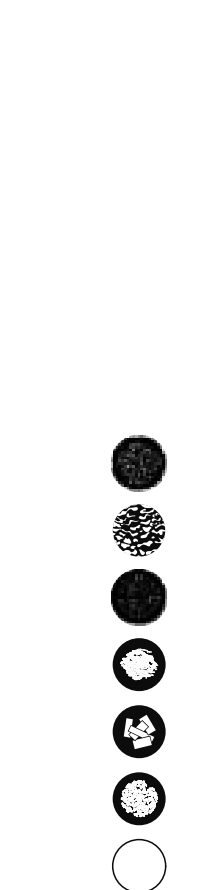
| BIT       | EFFECT                       |
|-----------|------------------------------|
| 252 - 255 | MAXIMUM APERTURE             |
| 251       | FAST PULSATION, FAST CLOSING |
| .....     | .....                        |
| 212       | SLOW PULSATION, FAST CLOSING |
| 211       | FAST PULSATION, FAST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

• STATIC GOBO CHANGE - channel 11



| BIT       | EFFECT                   |
|-----------|--------------------------|
| 255       | GOBO 8 SHAKE, FAST SPEED |
| .....     | .....                    |
| 244       | GOBO 8 SHAKE, SLOW SPEED |
| 243       | GOBO 7 SHAKE, FAST SPEED |
| .....     | .....                    |
| 232       | GOBO 7 SHAKE, SLOW SPEED |
| 231       | GOBO 6 SHAKE, FAST SPEED |
| .....     | .....                    |
| 220       | GOBO 6 SHAKE, SLOW SPEED |
| 219       | GOBO 5 SHAKE, FAST SPEED |
| .....     | .....                    |
| 208       | GOBO 5 SHAKE, SLOW SPEED |
| 207       | GOBO 4 SHAKE, FAST SPEED |
| .....     | .....                    |
| 196       | GOBO 4 SHAKE, SLOW SPEED |
| 195       | GOBO 3 SHAKE, FAST SPEED |
| .....     | .....                    |
| 184       | GOBO 3 SHAKE, SLOW SPEED |
| 183       | GOBO 2 SHAKE, FAST SPEED |
| .....     | .....                    |
| 172       | GOBO 2 SHAKE, SLOW SPEED |
| 171       | GOBO 1 SHAKE, FAST SPEED |
| .....     | .....                    |
| 160       | GOBO 1 SHAKE, SLOW SPEED |
| 159       | FAST ROTATION (100 rpm)  |
| .....     | .....                    |
| 118       | SLOW ROTATION (5 rpm)    |
| 114 - 117 | STOP                     |
| 113       | SLOW ROTATION (5 rpm)    |
| .....     | .....                    |
| 72        | FAST ROTATION (100 rpm)  |
| 64 - 71   | GOBO 8                   |
| 56 - 63   | GOBO 7                   |
| 48 - 55   | GOBO 6                   |
| 40 - 47   | GOBO 5                   |
| 32 - 39   | GOBO 4                   |
| 24 - 31   | GOBO 3                   |
| 16 - 23   | GOBO 2                   |
| 8 - 15    | GOBO 1                   |
| 0 - 7     | WHITE                    |

• ROTATING GOBO CHANGE - channel 12



| BIT     | EFFECT                   |
|---------|--------------------------|
| 255     | GOBO 6 SHAKE, FAST SPEED |
| .....   | .....                    |
| 235     | GOBO 6 SHAKE, SLOW SPEED |
| 234     | GOBO 5 SHAKE, FAST SPEED |
| .....   | .....                    |
| 214     | GOBO 5 SHAKE, SLOW SPEED |
| 213     | GOBO 4 SHAKE, FAST SPEED |
| .....   | .....                    |
| 193     | GOBO 4 SHAKE, SLOW SPEED |
| 192     | GOBO 3 SHAKE, FAST SPEED |
| .....   | .....                    |
| 172     | GOBO 3 SHAKE, SLOW SPEED |
| 171     | GOBO 2 SHAKE, FAST SPEED |
| .....   | .....                    |
| 151     | GOBO 2 SHAKE, SLOW SPEED |
| 150     | GOBO 1 SHAKE, FAST SPEED |
| .....   | .....                    |
| 130     | GOBO 1 SHAKE, SLOW SPEED |
| 112-129 | GOBO 6                   |
| .....   | .....                    |
| 93-111  | GOBO 5                   |
| .....   | .....                    |
| 75-92   | GOBO 4                   |
| .....   | .....                    |
| 56-74   | GOBO 3                   |
| .....   | .....                    |
| 38-55   | GOBO 2                   |
| .....   | .....                    |
| 19-37   | GOBO 1                   |
| .....   | .....                    |
| 0-18    | WHITE                    |

• GOBO ROTATION - channel 13



| BIT       | EFFECT                  |
|-----------|-------------------------|
| 255       | FAST ROTATION (150 rpm) |
| 193       | SLOW ROTATION (2,2 rph) |
| 191 - 192 | STOP                    |
| 190       | SLOW ROTATION (2,2 rph) |
| 128       | FAST ROTATION (150 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 14

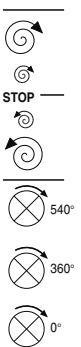


| BIT |
|-----|
| 255 |
| 127 |
| 0   |

• PRISM INSERTION - channel 15

| BIT | EFFECT         |
|-----|----------------|
| 255 | PRISM INSERTED |
| 128 |                |
| 127 | PRISM EXCLUDED |
| 0   |                |

• PRISM ROTATION - channel 16



| BIT       | EFFECT                  |
|-----------|-------------------------|
| 255       | FAST ROTATION (120 rpm) |
| 193       | SLOW ROTATION (3 rph)   |
| 191 - 192 | STOP                    |
| 190       | SLOW ROTATION (3 rph)   |
| 128       | FAST ROTATION (120 rpm) |
| 127       | POSITION 540°           |
| 105       | POSITION 450°           |
| 84        | POSITION 360°           |
| 63        | POSITION 270°           |
| 42        | POSITION 180°           |
| 21        | POSITION 90°            |
| 0         | POSITION 0°             |

• FROST - channel 17



| BIT | EFFECT         |
|-----|----------------|
| 255 | FROST INSERTED |
| 0   | FROST EXCLUDED |

• BLADE UP 1 - channel: 18



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• BLADE UP 2 - channel: 19



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• BLADE DW 1 - channel: 20



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• BLADE DW 2 - channel: 21



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• BLADE LF 2 - channel: 25



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

**Important:**

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

• BLADE RG 1 - channel: 22



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• FRAMING ROTATION - channel: 26



| BIT | EFFECT |
|-----|--------|
| 255 |        |
| 127 |        |
| 0   |        |

• BLADE RG 2 - channel: 23



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• FOCUS - channel 27



| BIT | EFFECT  |
|-----|---------|
| 255 | NEAR    |
| 0   | DISTANT |

• BLADE LF 1 - channel: 24



| BIT | EFFECT    |
|-----|-----------|
| 255 | BLADE IN  |
| 127 |           |
| 0   | BLADE OUT |

• FOCUS FINE - channel 28



| BIT | EFFECT  |
|-----|---------|
| 255 | NEAR    |
| 0   | DISTANT |

• ZOOM - channel: 29



| BIT | EFFECT      |
|-----|-------------|
| 255 | NARROW BEAM |
| 0   | WIDE BEAM   |

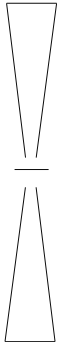
• AUTOFOCUS DISTANCE - channel 30

**AUTOFOCUS priority:**

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

| BIT | EFFECT        |
|-----|---------------|
| 255 | 100 METRES    |
| 128 | 50 METRES     |
| 102 | 40 METRES     |
| 77  | 30 METRES     |
| 51  | 20 METRES     |
| 26  | 10 METRES     |
| 7   | 3 METRES      |
| 0-6 | AUTOFOCUS OFF |

• AUTOFOCUS ADJUSTMENT - channel 31



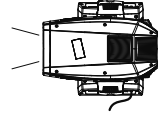
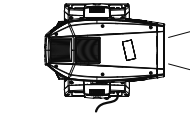
| BIT | EFFECT     |
|-----|------------|
| 255 | FOCUS FINE |
| 128 |            |
| 0   | FOCUS FINE |

• MACRO EFFECTS - channel 32

| 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      |

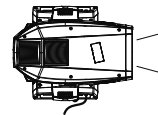
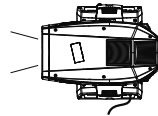
• PAN - channel 33

Operation with option InvertPan  $\diamond$  Off  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



| BIT |
|-----|
| 255 |
| 0   |

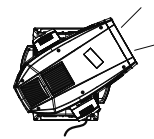
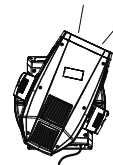
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



| BIT |
|-----|
| 255 |
| 0   |

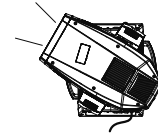
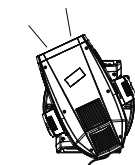
• PAN FINE - channel 34

Operation with option InvertPan  $\diamond$  Off  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



| BIT |
|-----|
| 255 |
| 0   |

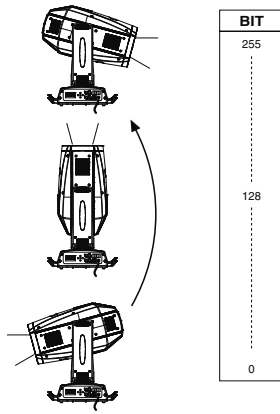
Operation with option InvertPan  $\diamond$  On  
(Tilt conventionally represented at 14% and option Invert Tilt  $\diamond$  Off)



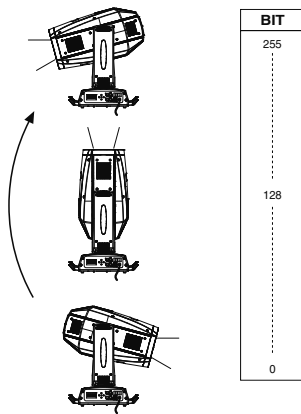
| BIT |
|-----|
| 255 |
| 0   |

• **TILT - channel 35**

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

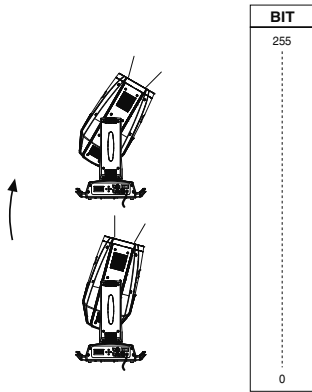


Operation with option Invert Tilt  $\diamond$  On  
 (Pan conventionally represented at 0% and option Invert Pan  $\diamond$  Off)

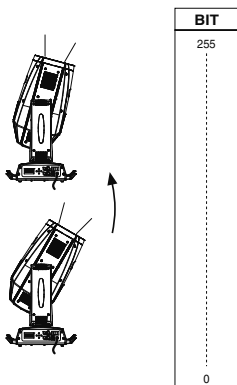


• **TILT FINE - channel 36**

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



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



• **FUNCTION - channel: 37**

| BIT   | EFFECT       |                       |
|-------|--------------|-----------------------|
| 255   | UNUSED RANGE |                       |
| 63    |              |                       |
| 51-62 |              | DIMMER CURVE FUNCTION |
| 38-50 |              |                       |
| 25-37 |              | PAN-TILT FUNCTION     |
| 12-24 |              |                       |
| 0-11  | UNUSED RANGE |                       |

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

• **RESET - channel: 38**

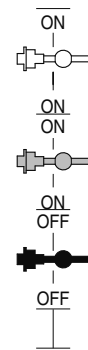
| BIT | EFFECT   |
|-----|--|
| 255 | COMPLETE RESET   |
| ... | Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.     |
| 128 | COMPLETE RESET   |
| 127 | PAN / TILT RESET   |
| ... | Pan / Tilt reset is activated passing through the unused 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   |  |

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

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 39**

**IMPORTANT:** Alpha Profile 1500 is not provided with hot restrike igniter

| BIT | EFFECT  |
|-----|---|
| 255 | LAMP ON (1500W)   |
| ... | Lamp ignition after 5 s in full power levels. Immediate transition from half to full power. |
| 180 | LAMP ON (1500W)   |
| 179 | LAMP ON (1200W)   |
| ... | Immediate transition from full to half power. Lamp ignition not allowed in half power.      |
| 101 | LAMP ON (1200W)   |
| 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   |   |



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

## TIMING CHANNELS

|    | Timing Channel  | Channel function  |
|----|-----------------|---|
| 40 | Pan - Tilt time | Pan – Tilt – Pan Fine – Tilt Fine                             |
| 41 | Colour time     | Cyan - Magenta - Yellow – C.T.O. – Color wheel                |
| 42 | Beam time       | Dimmer – Zoom – Focus – Frost/Prism – Iris - Framing Rotation |
| 43 | Gobo time       | Fix Gobo –Rotating Gobo change                                |

## TIME TABLE

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