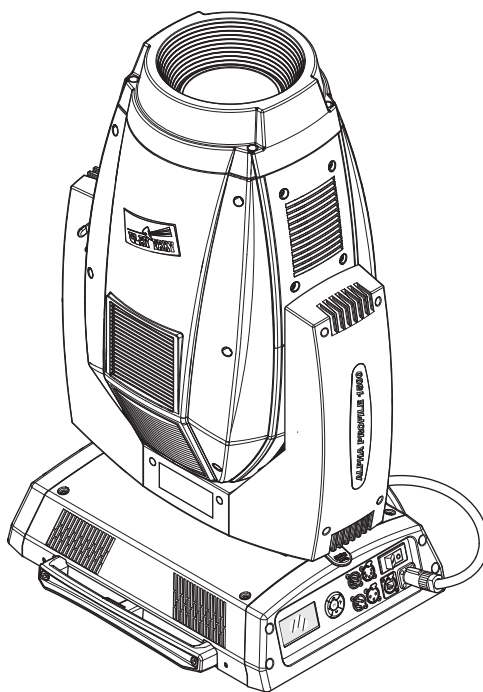




INSTRUCTION MANUAL



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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 battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force. Instructions on how to remove the battery from the product are available on www.claypaky.it

1500W 

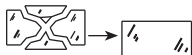


t_a 40°C

IP20



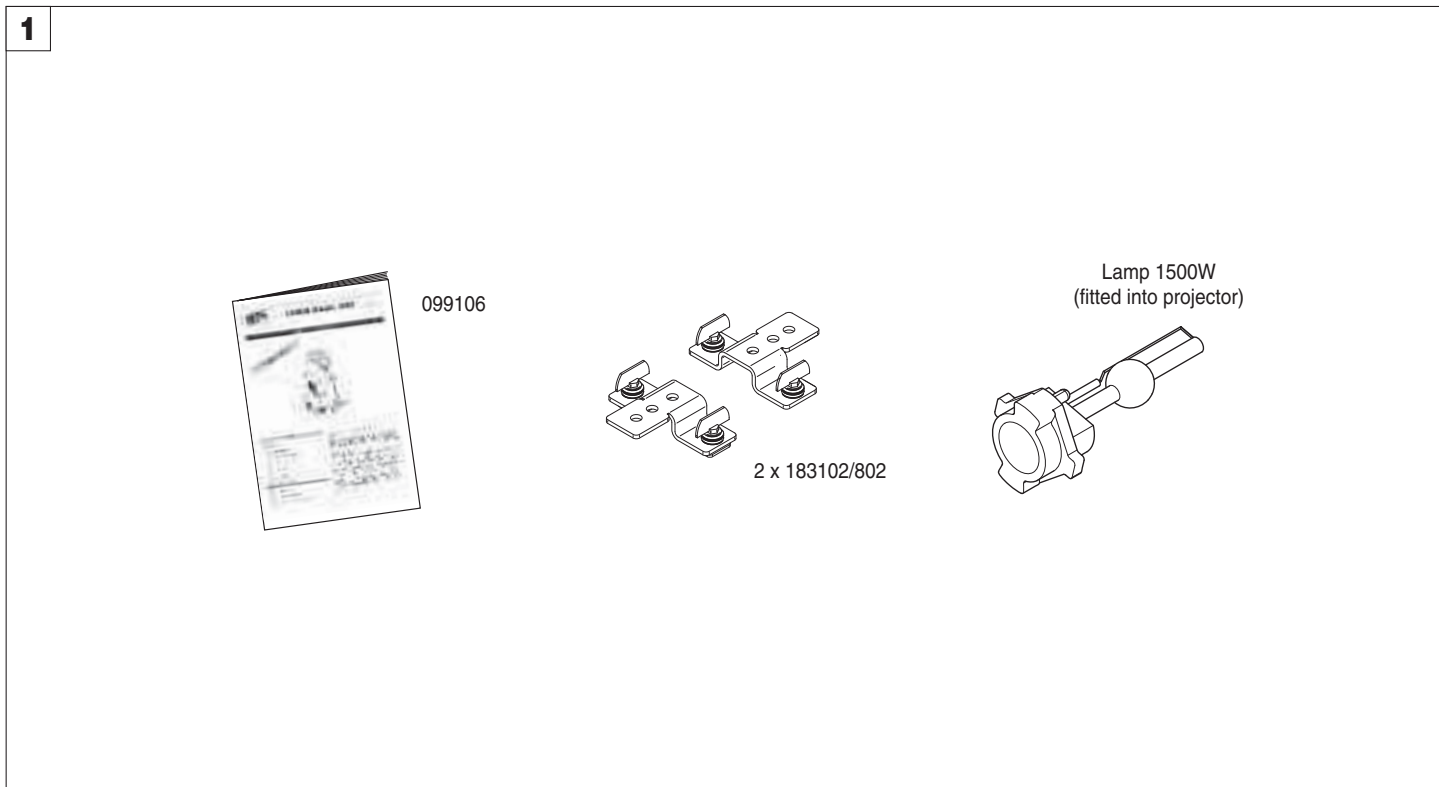
t_c 150°C



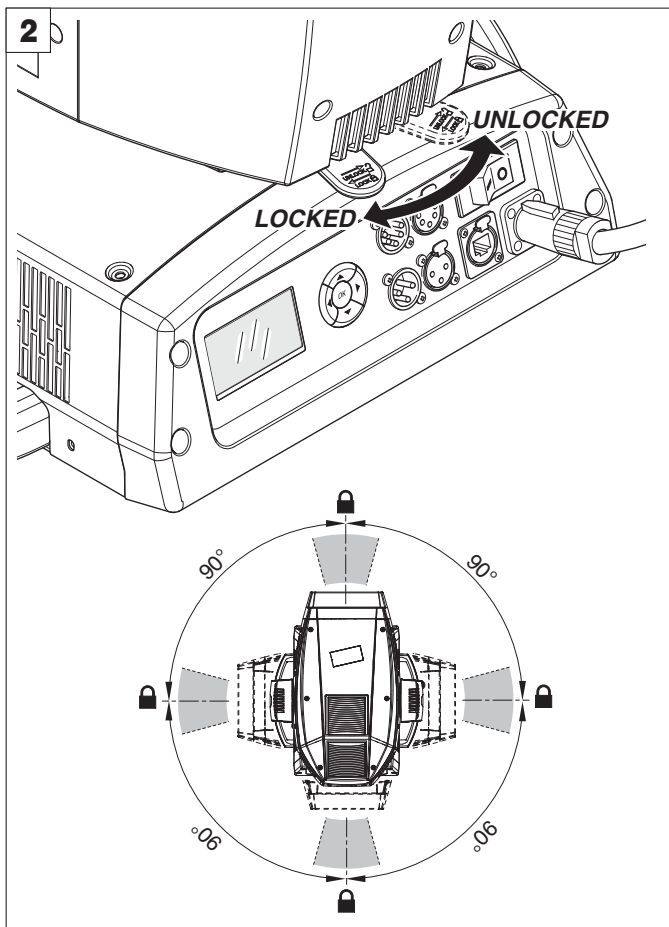
The products referred to in this manual conform to the European Community Directives to which they are subject:

- Low Voltage 2006/95/CE
- Electromagnetic Compatibility 2004/108/CE

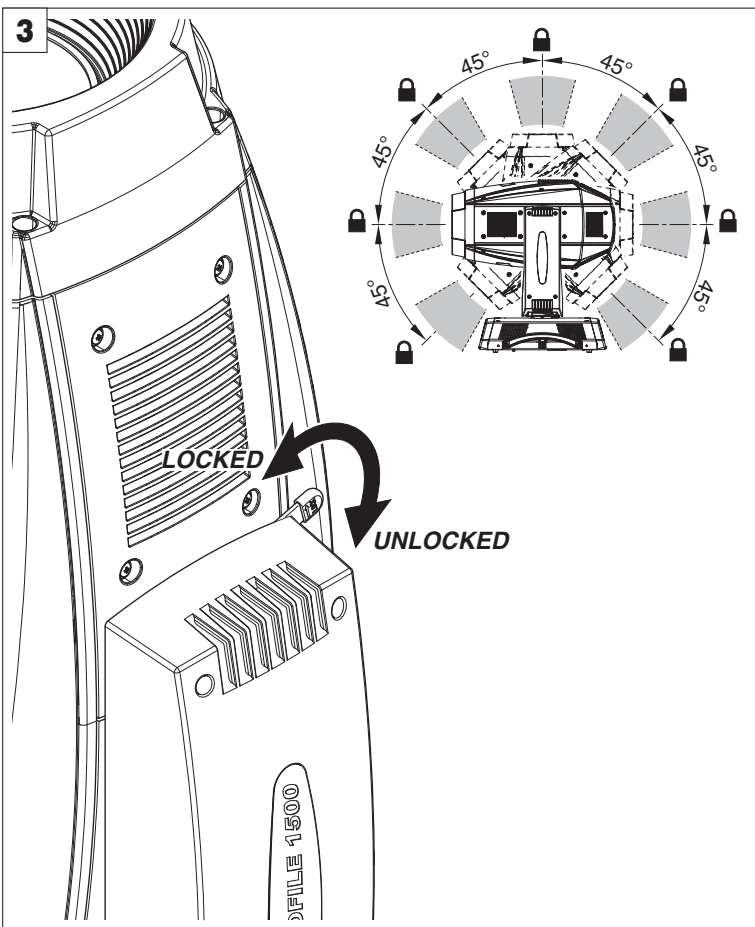
UNPACKING AND PREPARATION



Packing contents - Fig. 1

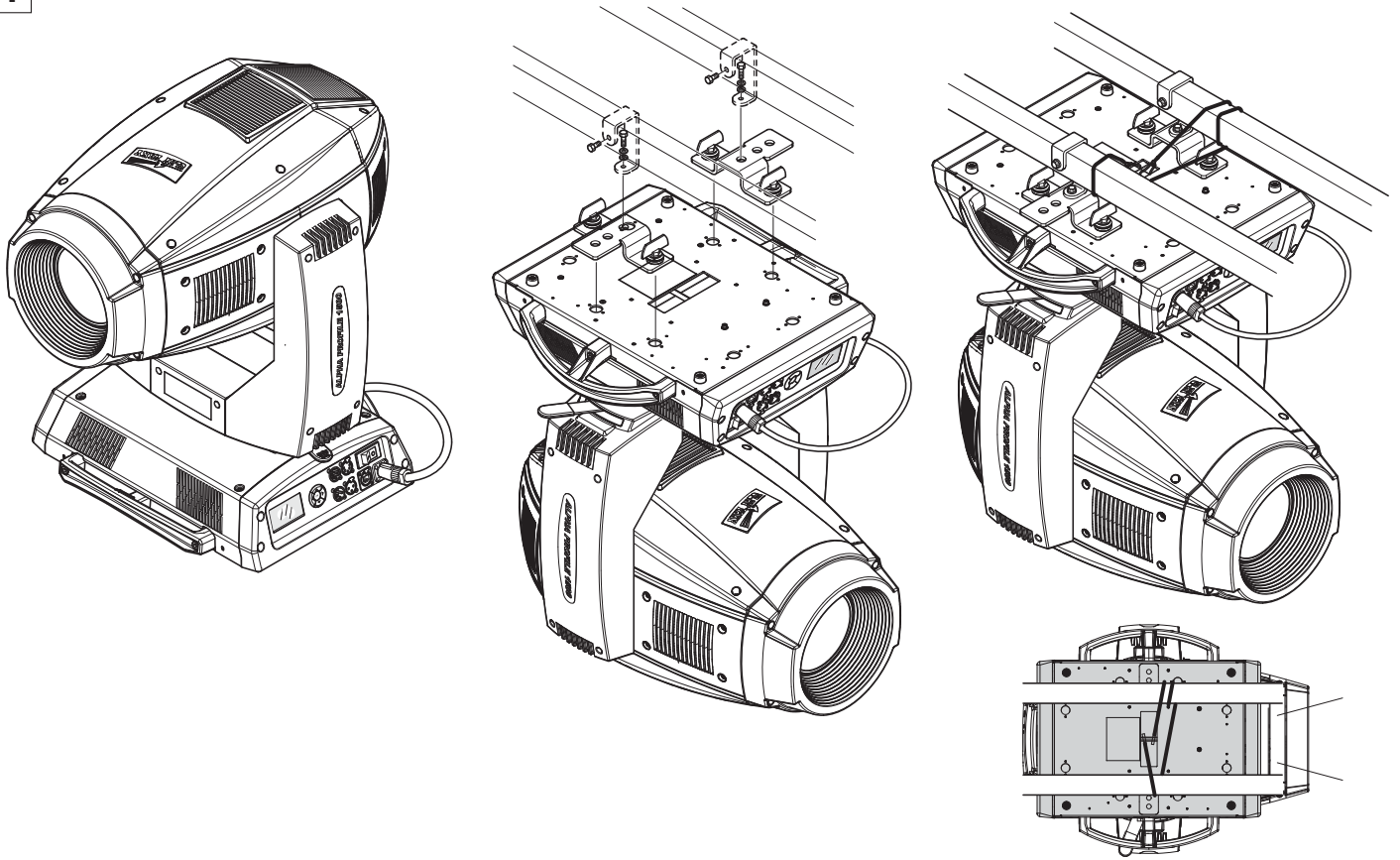


PAN Mechanism Lock and Release (every 90°) - Fig. 2



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

4

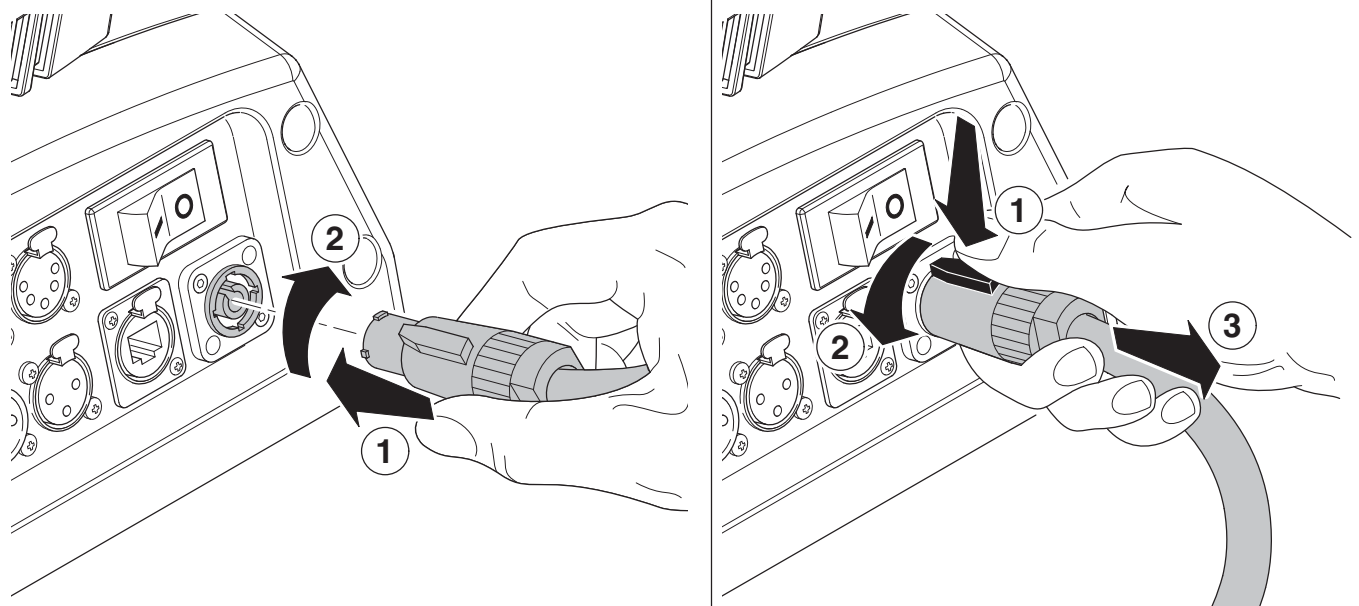


Installing the projector - Fig. 4

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

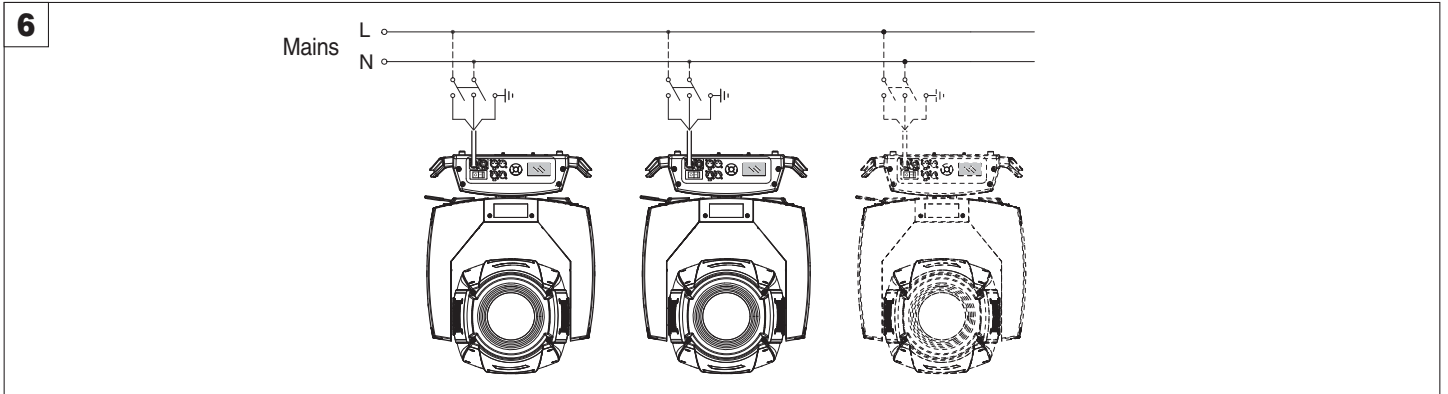
WARNING: with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

5

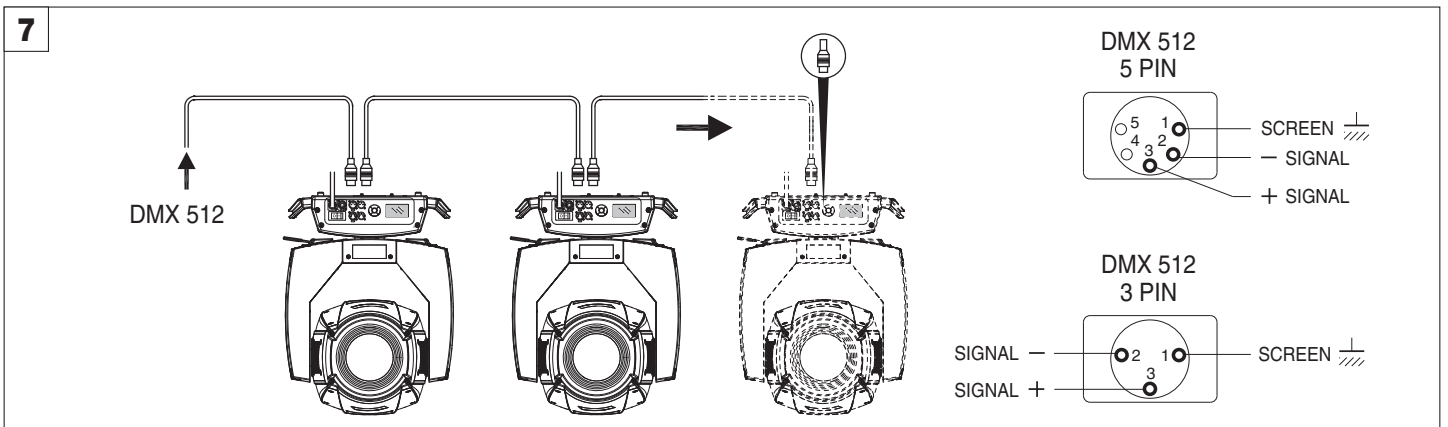


Connecting and disconnecting power cable - Fig. 5

CONTROL PANEL



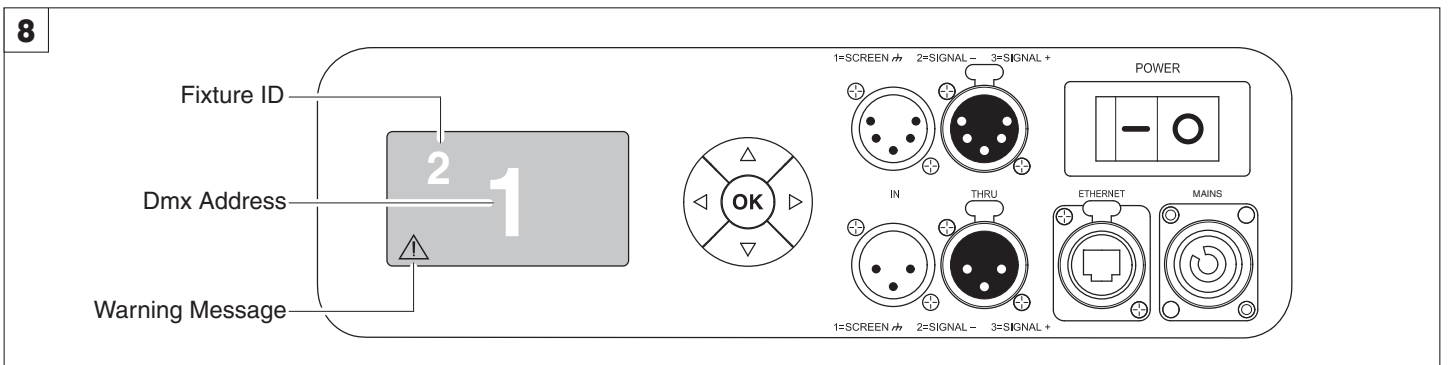
Connecting to the mains supply - Fig. 6



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.



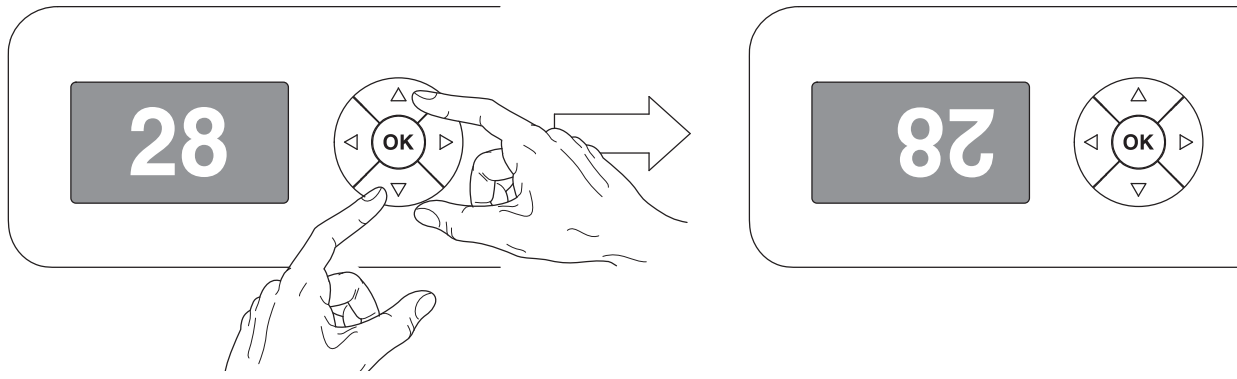
Switching on the projector - Fig. 8

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.

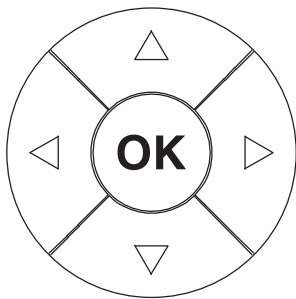
Setting the projector Fixture ID

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  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  to display the first item in the selected menu.

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

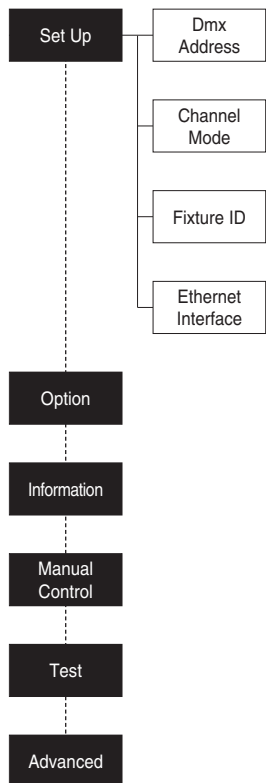
Setting addresses and options with the projector disconnected

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.

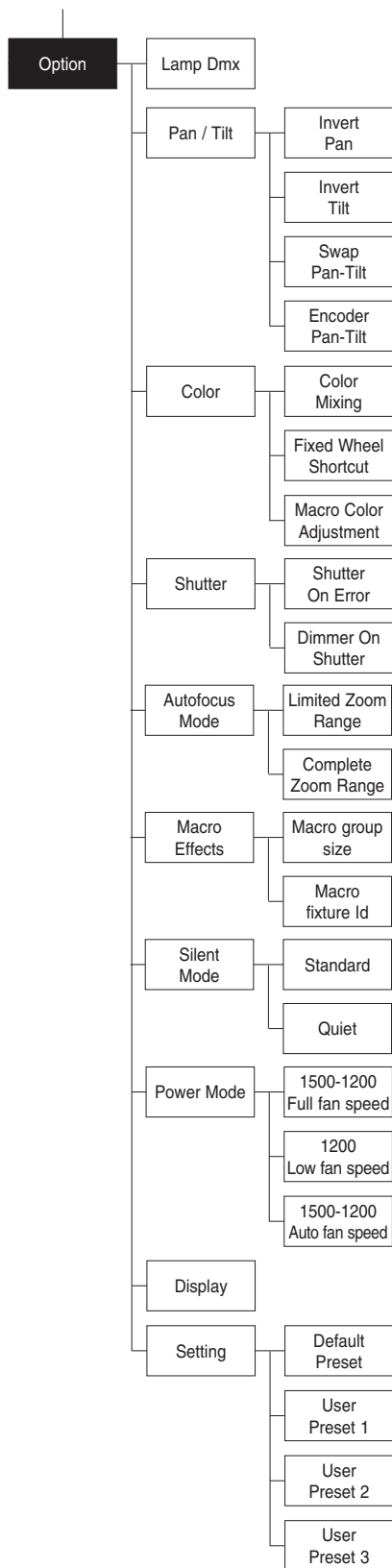
All that is needed is to press  to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

MENU SETTING

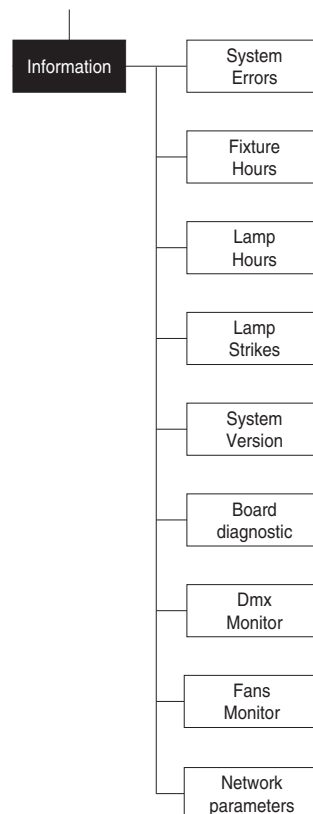
1



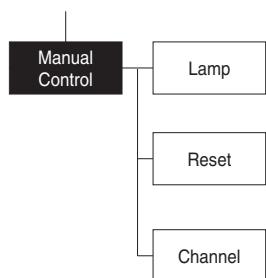
2



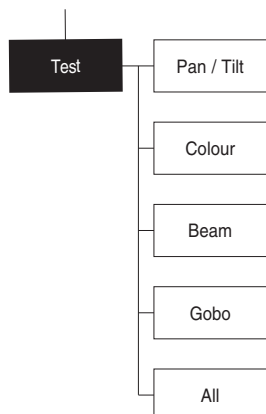
3



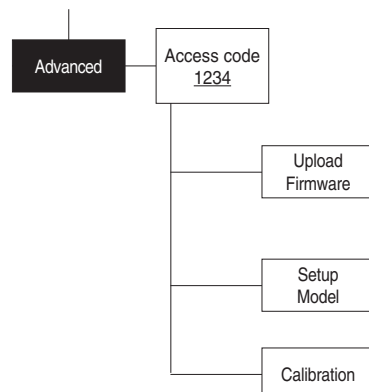
4



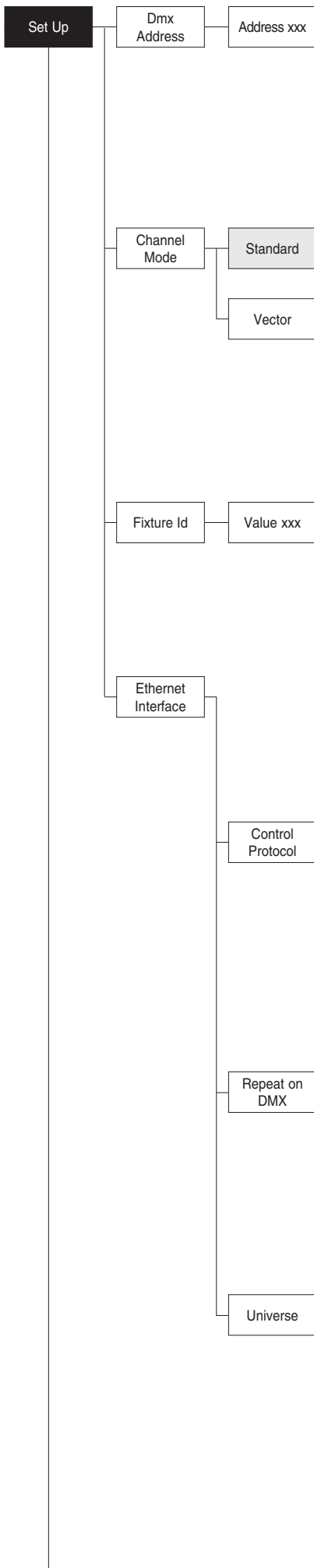
5



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

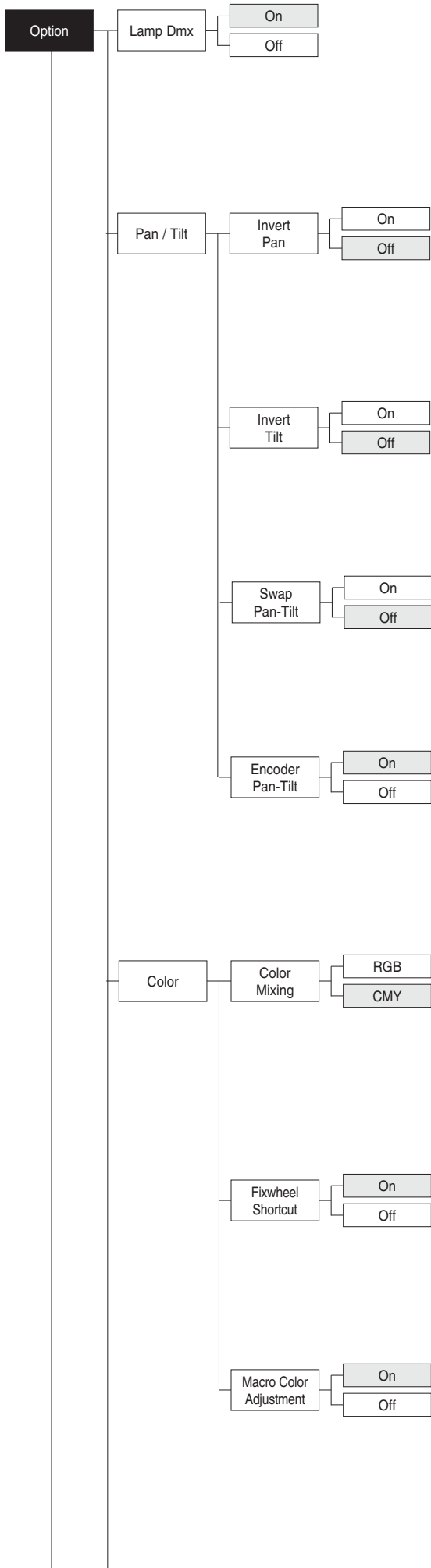
It lets you enable the transmission of the Ethernet protocol by DMX signal to all the connected projectors.

- 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.

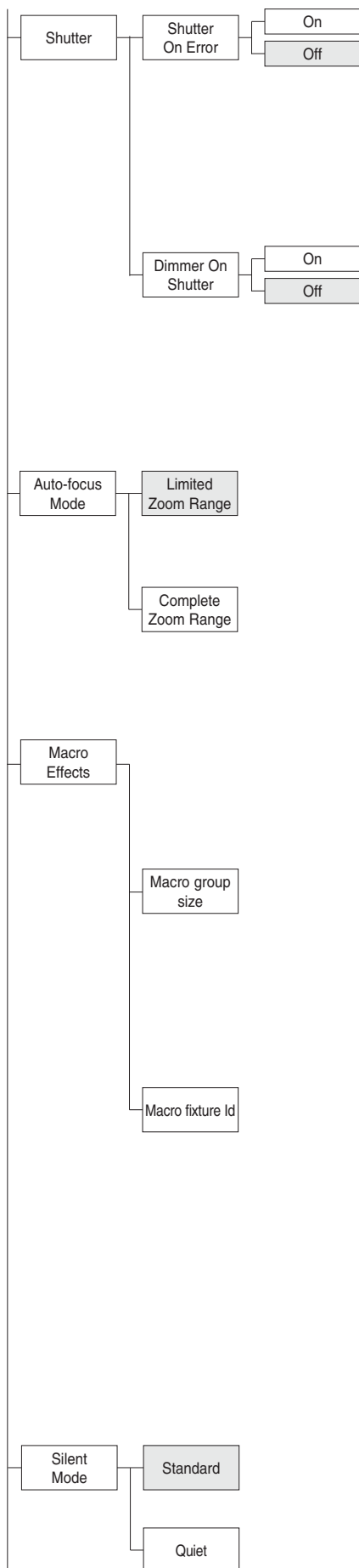
- 1) Press **OK** - the current settings appear on the display (On or Off).
- 2) Use the UP **▲** and DOWN **▼** keys to enable (On) or disable (Off) color change optimization.
- 3) Press **OK** to confirm the selection, or LEFT **◀** to keep current settings.

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

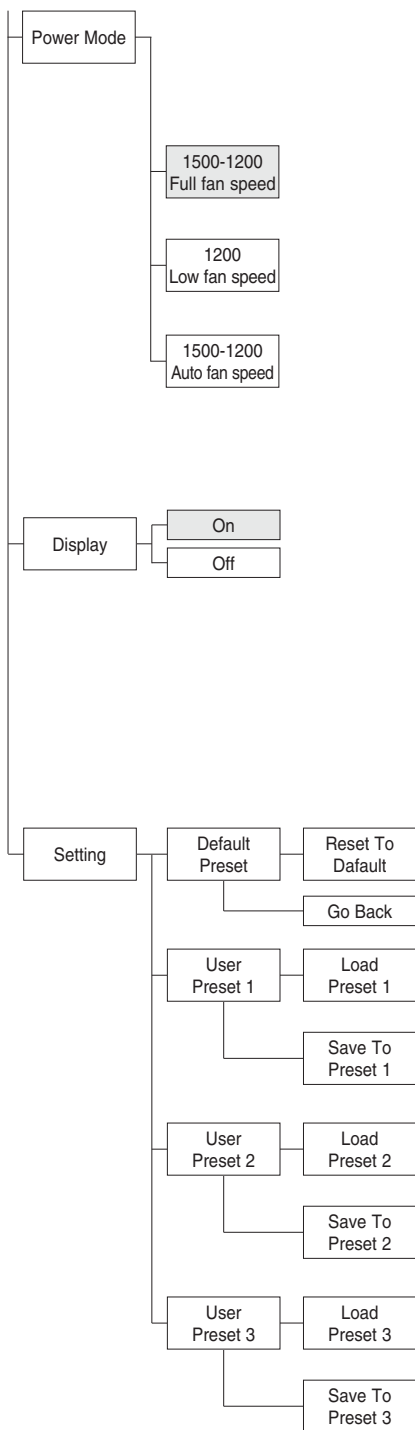
It lets you attribute an ID address to the projector for the phase displacement for the scene’s starting time in Macro mode.

- 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

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

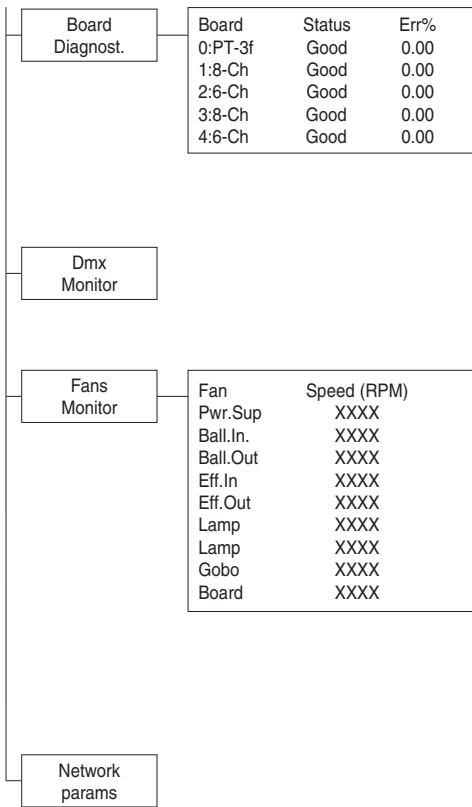
Used for displaying the number of times the lamp was turned on (total and partial).

- 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

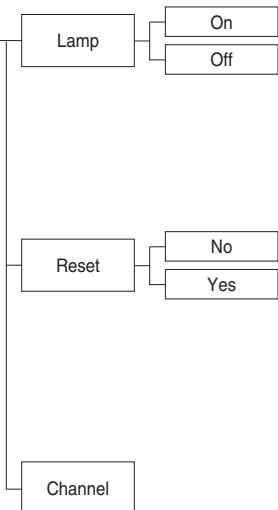
SISTEM VERSION

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:**
- 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

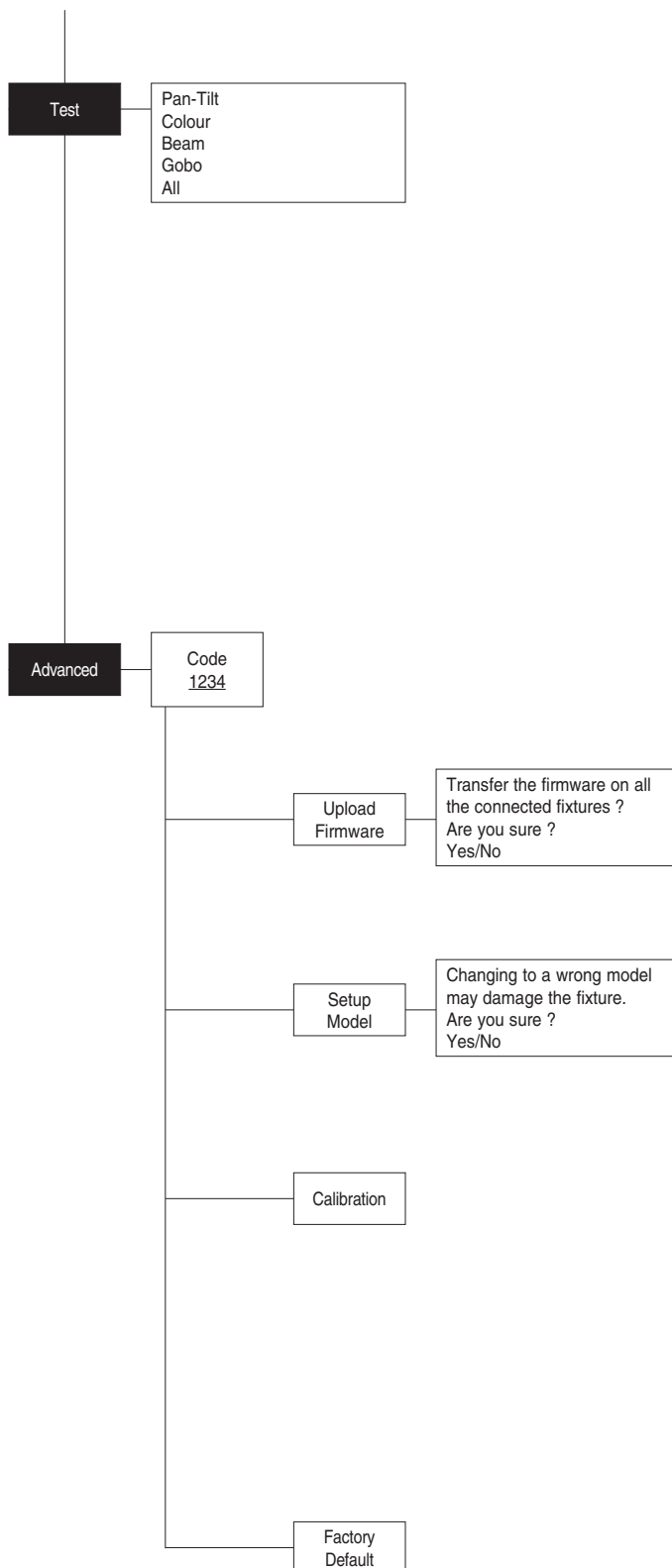
Used for resetting the projector.

- 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

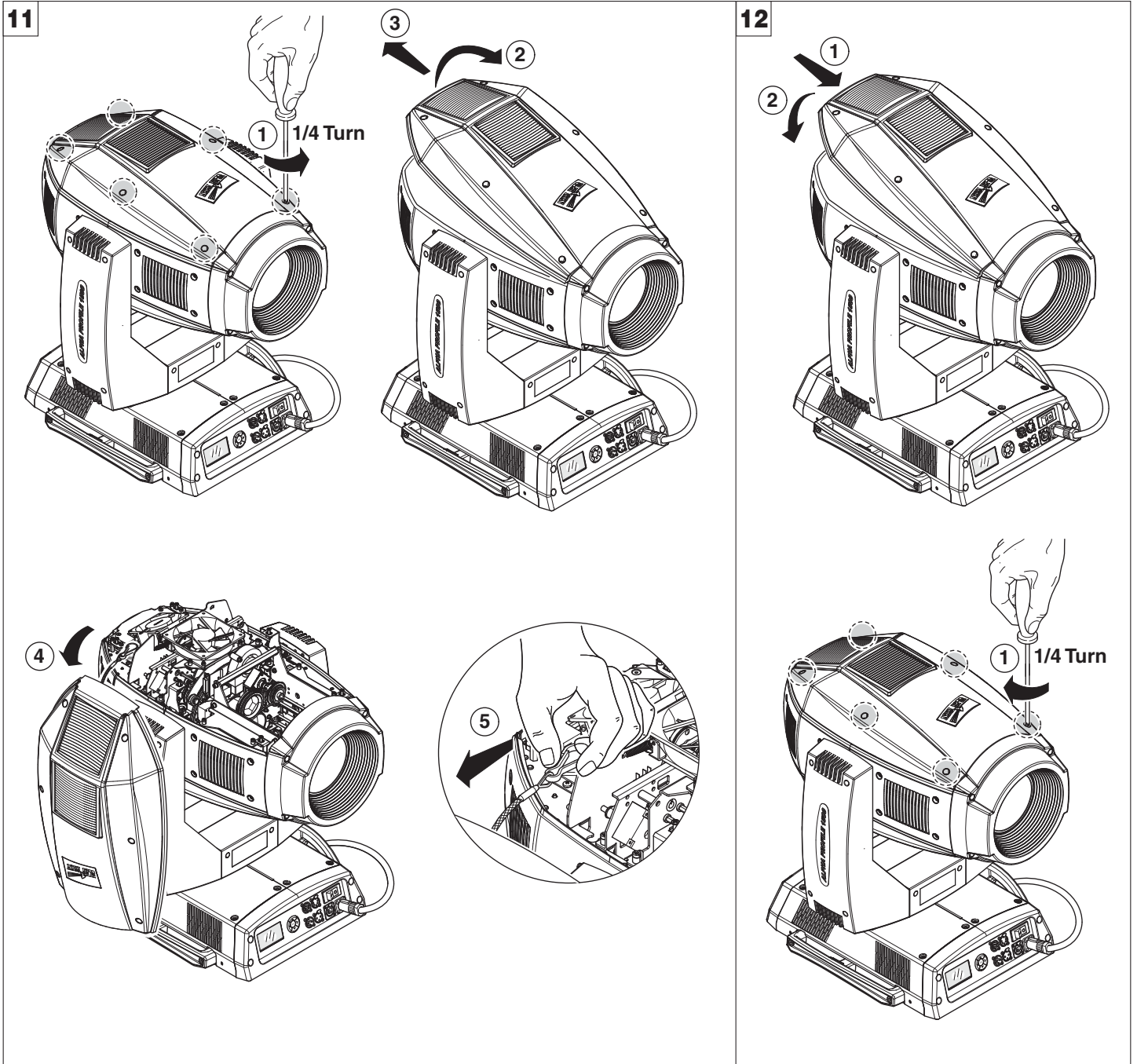
Allows you to adjust effects from the control panel to obtain perfect uniformity between the projectors.

- 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

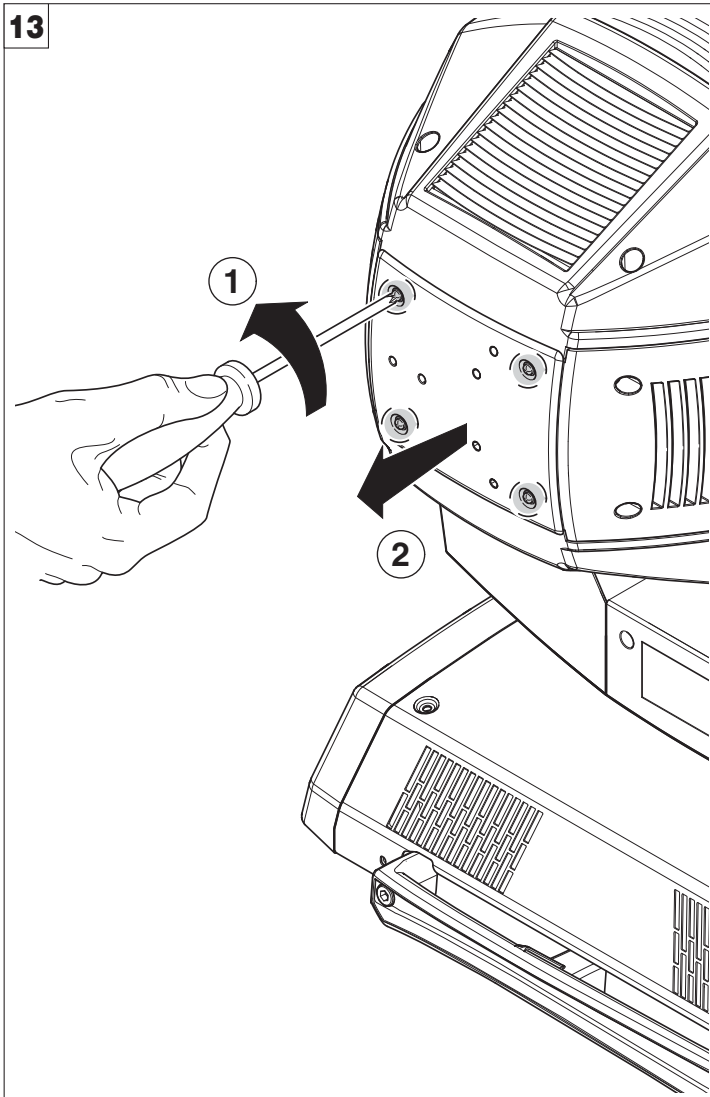
Allows you to restore default values of all channels (128).

- 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.

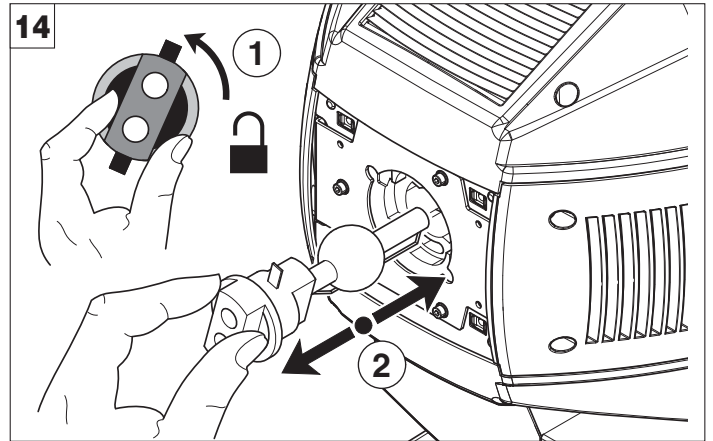


Locking and releasing Pan and Tilt movements - Refer to the instructions in the UNPACKING AND PREPARATION section.
 Opening the head covers - Fig. 11.

Closing the head covers - Fig. 12.



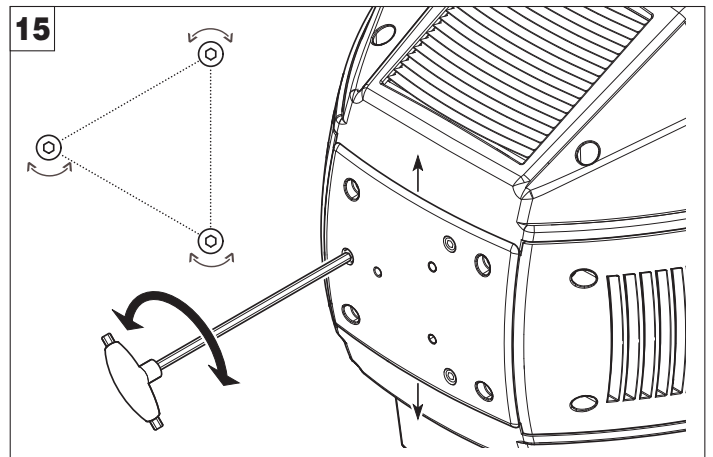
Opening and closing lamp compartment - Fig. 13



Lamp change - Fig 14

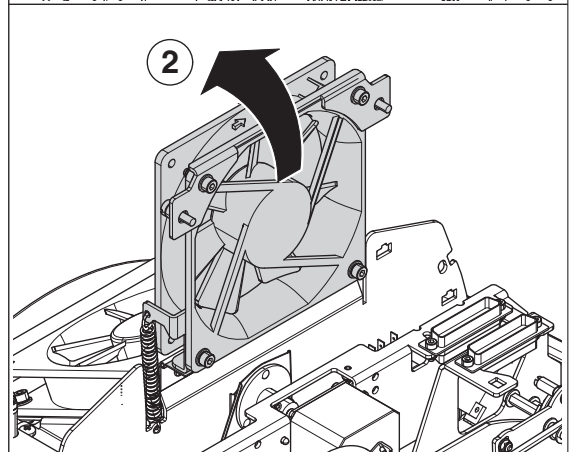
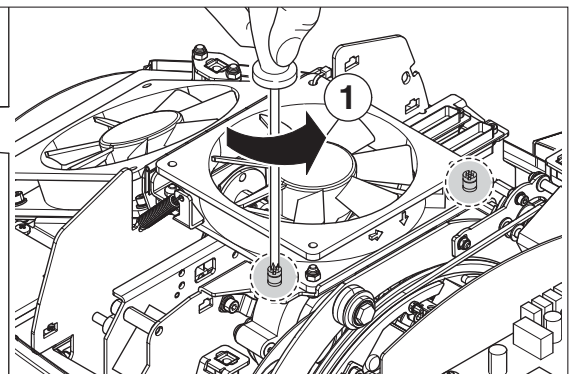
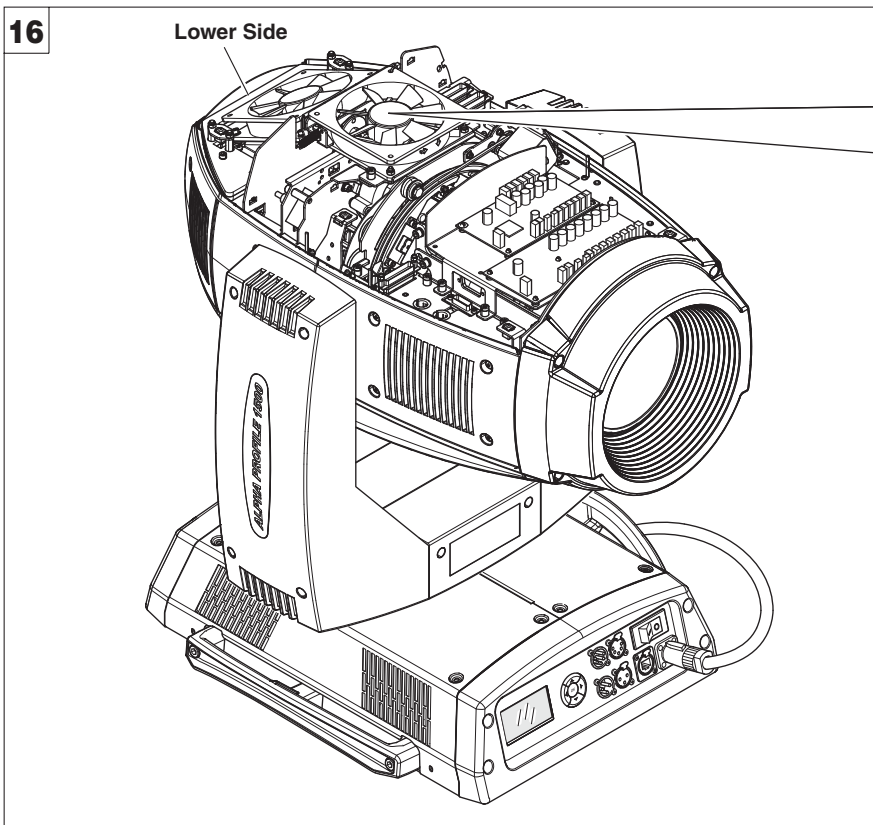
Take the new lamp out of its package and insert in the fitting.

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.

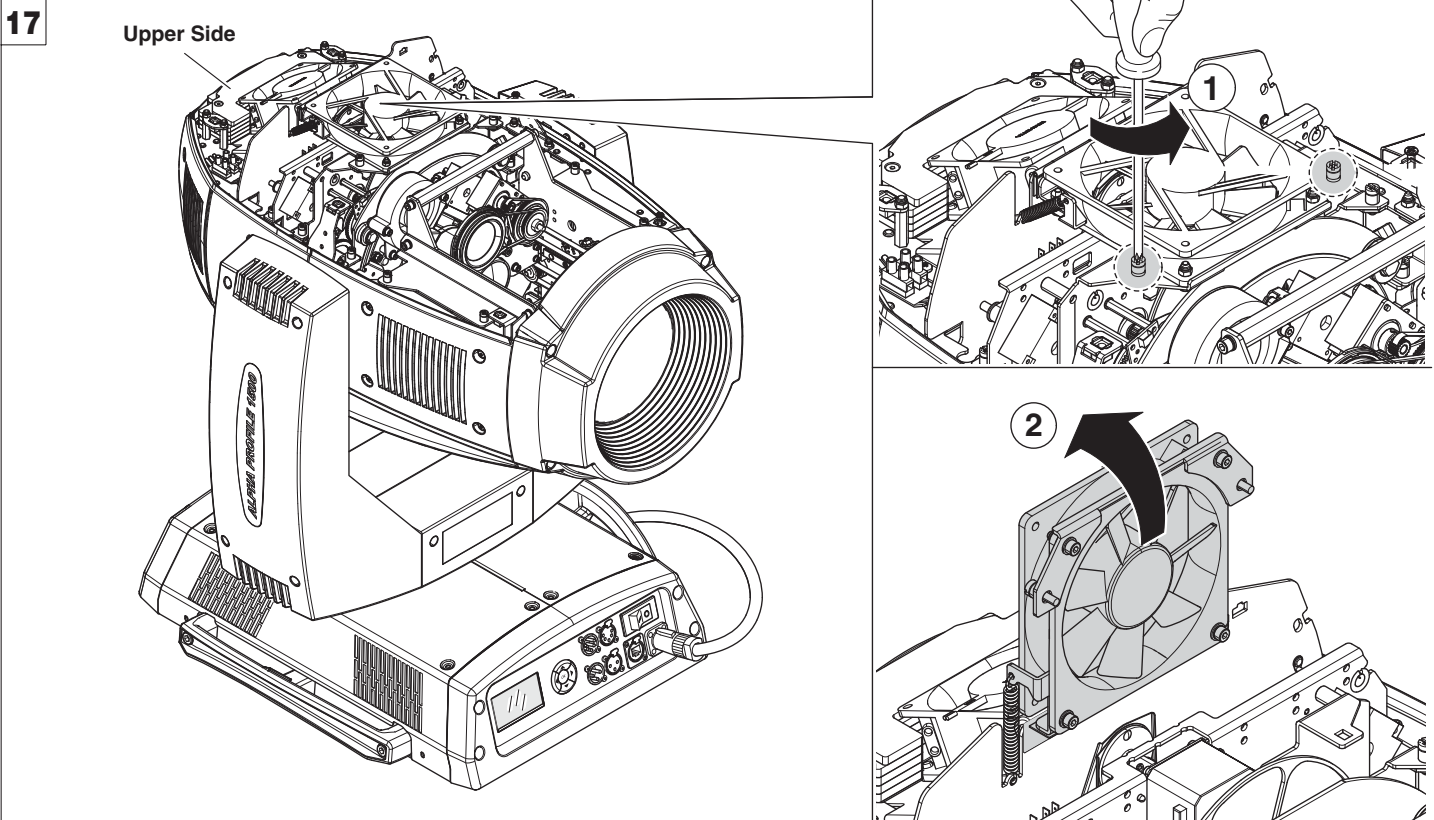


Lamp regulation - Fig. 15

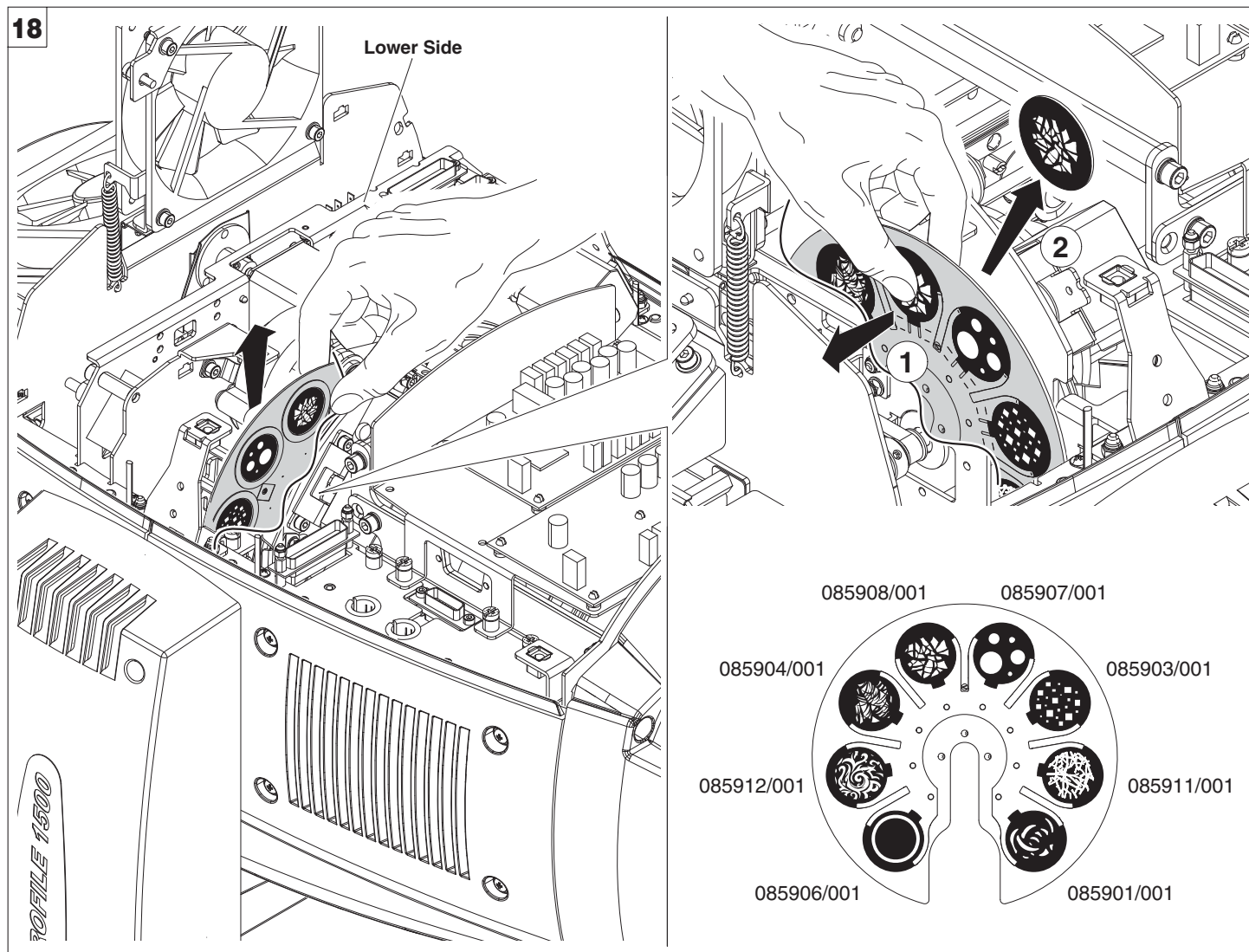
To centre the lamp, turn the three adjusting screws as shown in the figure.



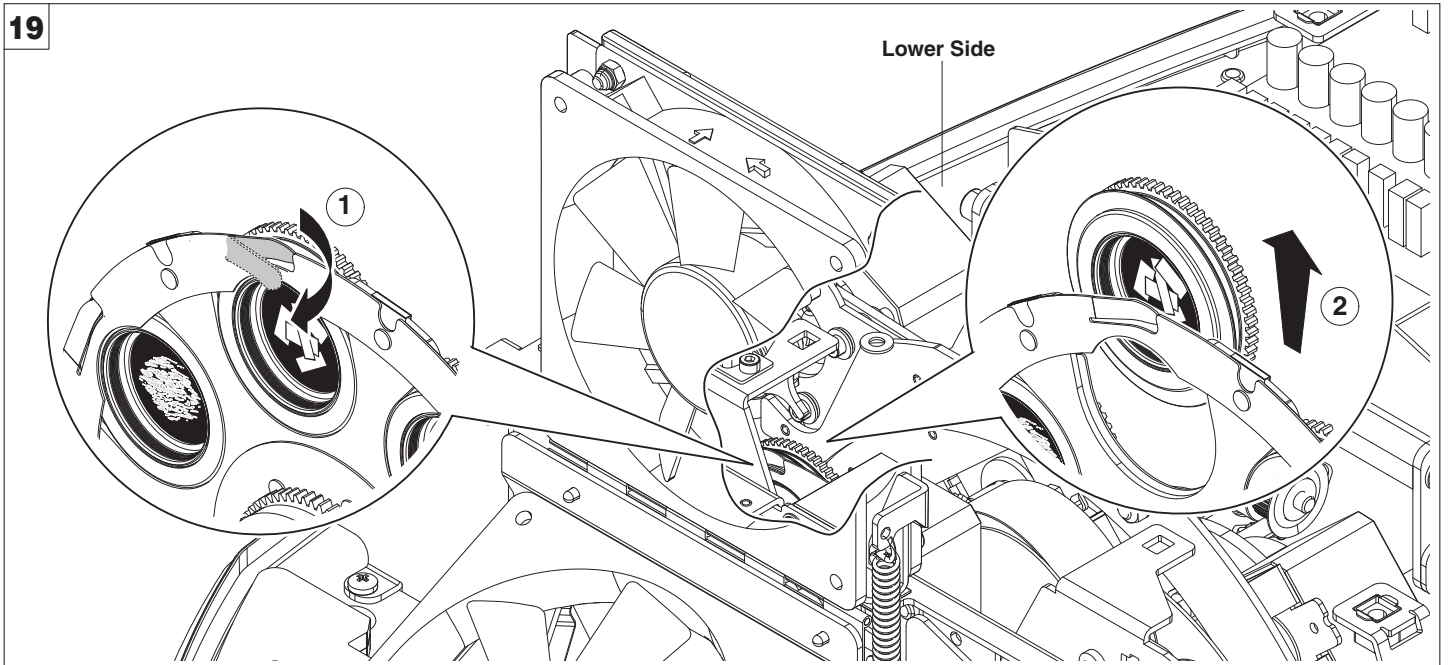
Fan support plate opening and closing (Lower side) - Fig. 16



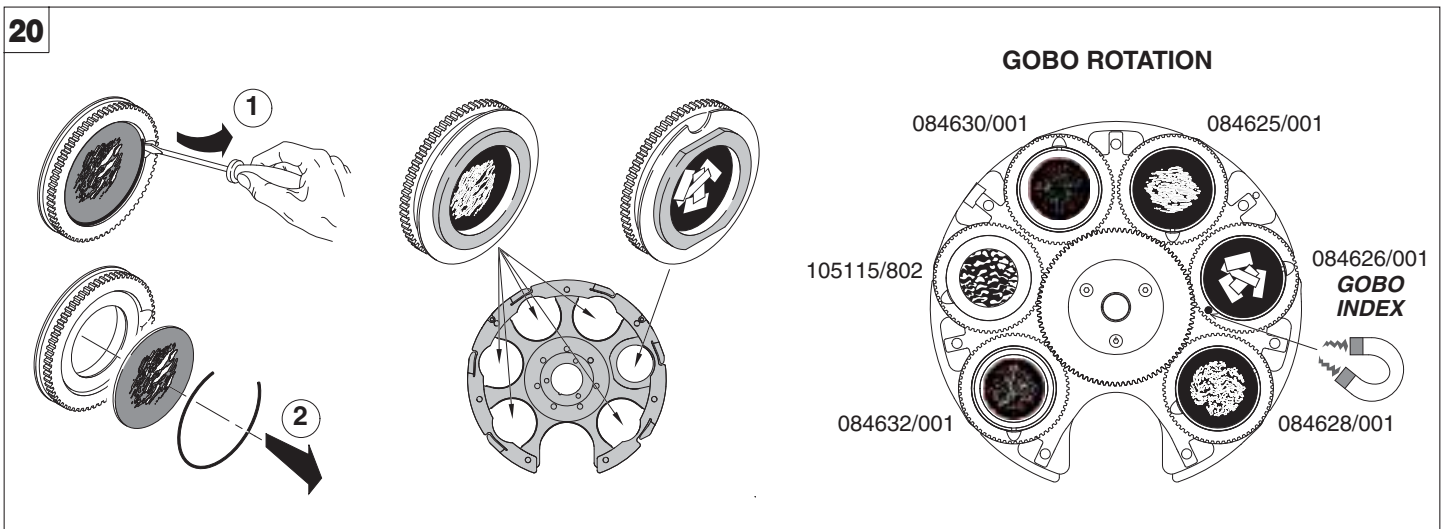
Fan support plate opening and closing (Upper side) - Fig. 17



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

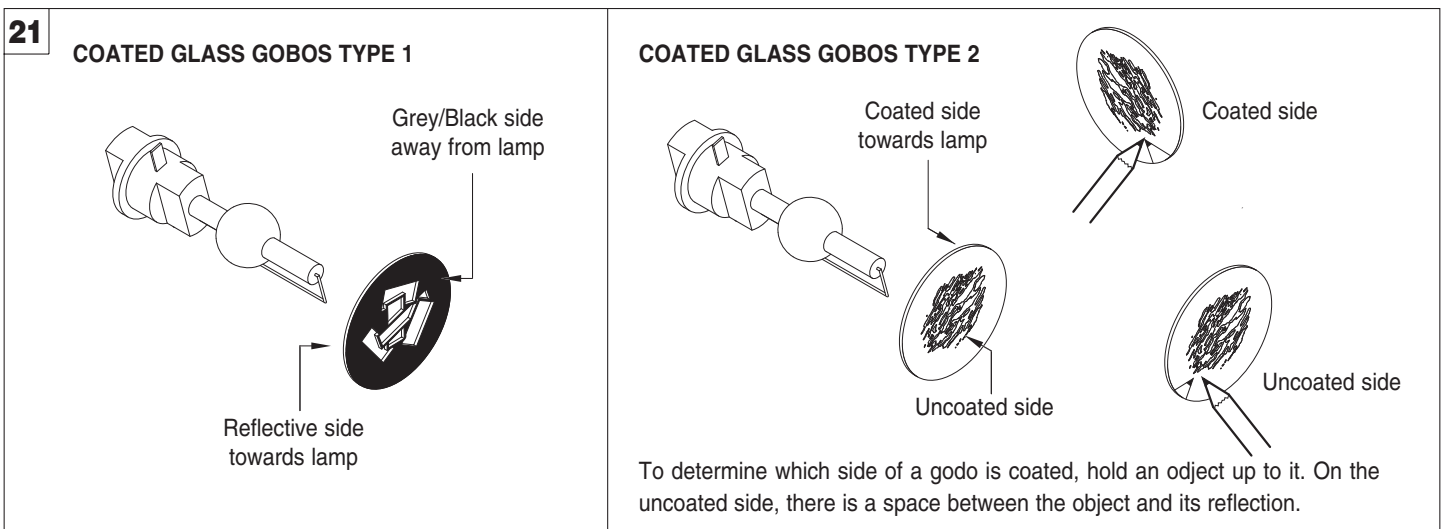


Bearing group replacement - Fig. 19



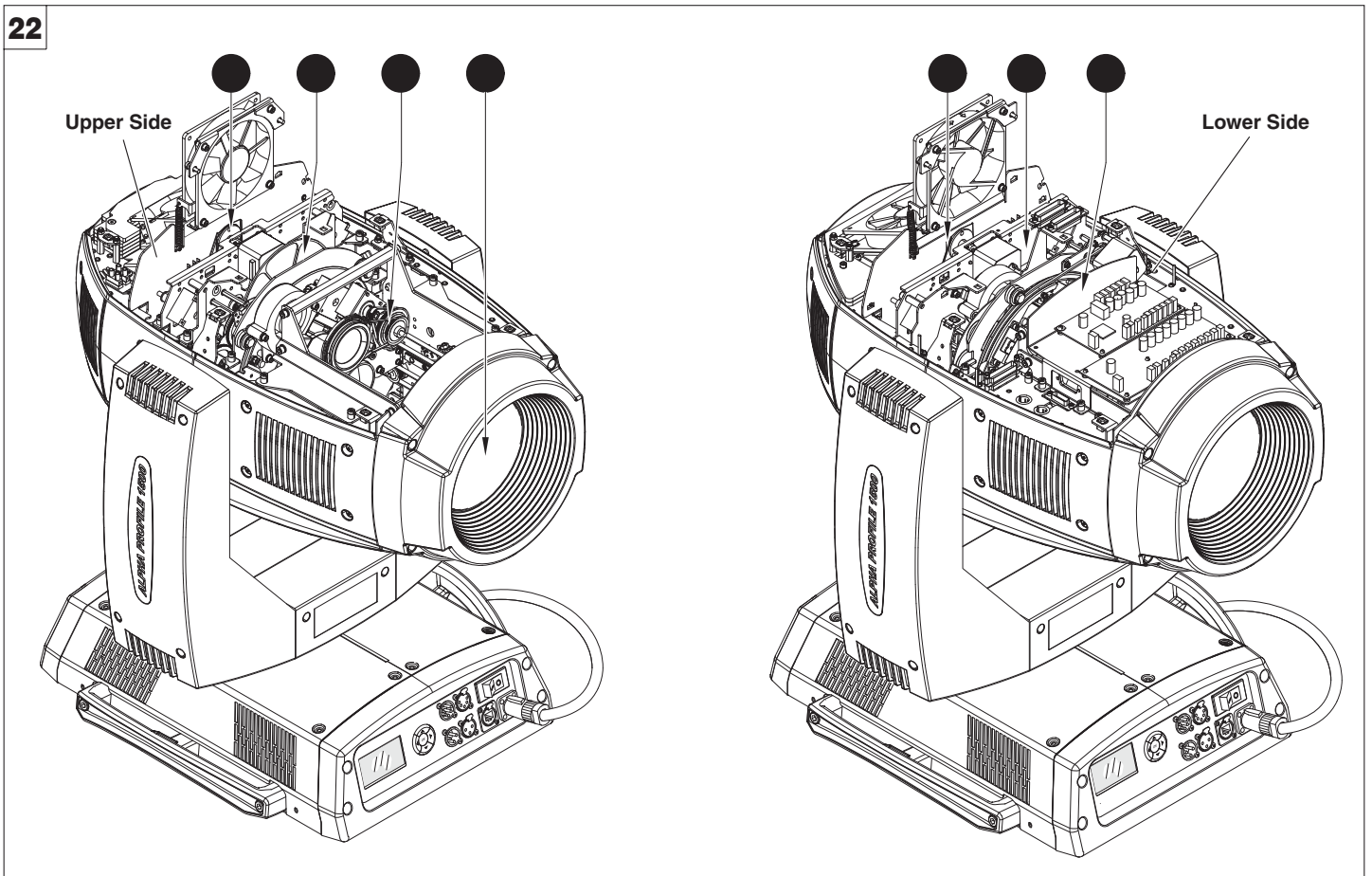
Replacing rotating gobos (ø 37.5 mm - max 25 mm image – thickness 1 mm) - Fig. 20

IMPORTANT: Please contact CLAY PAKY before using customized gobos.



Gobo orientation - Fig. 21

The pictures shown the correct gobos orientation.

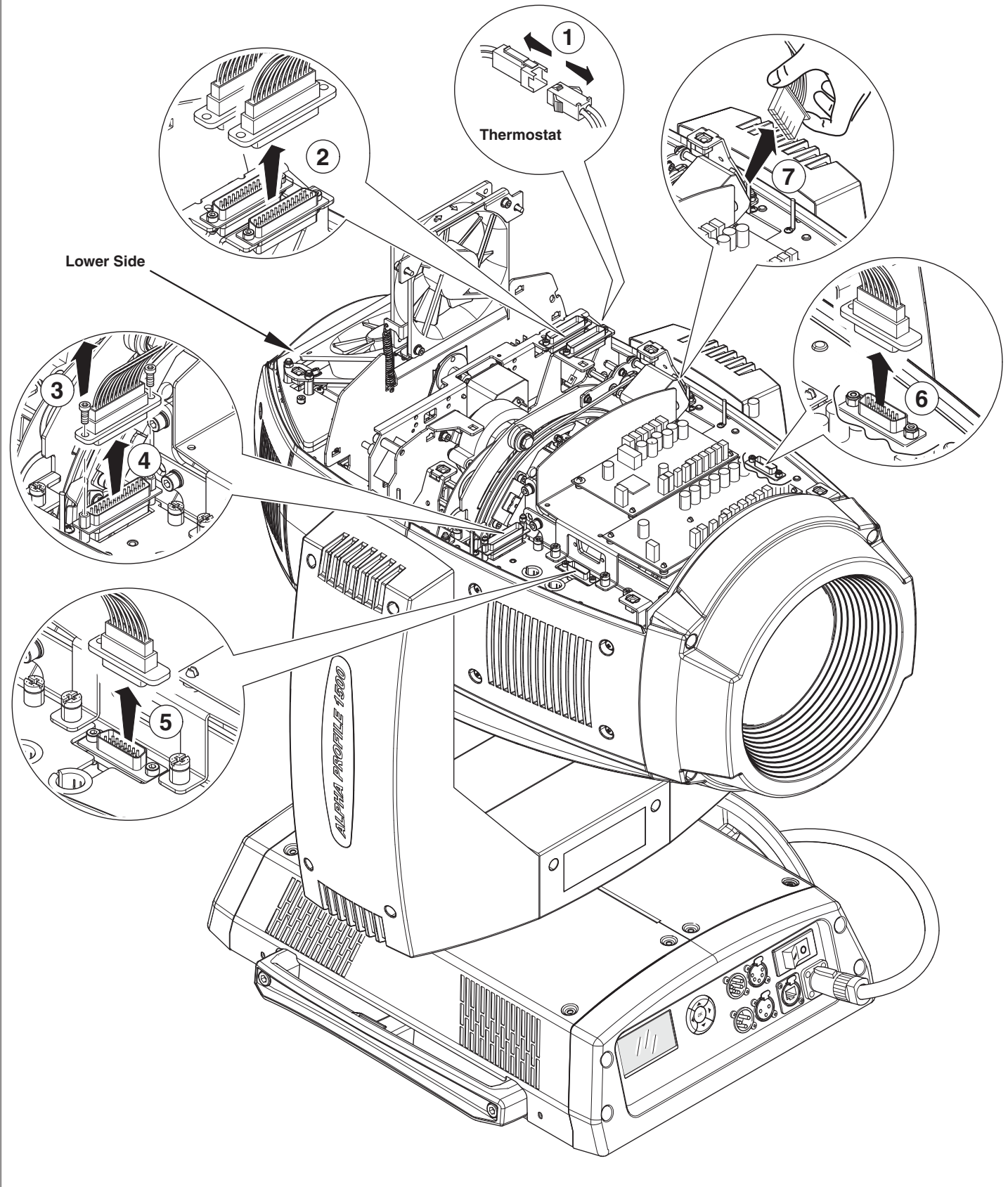


Periodical cleaning - Fig. 22

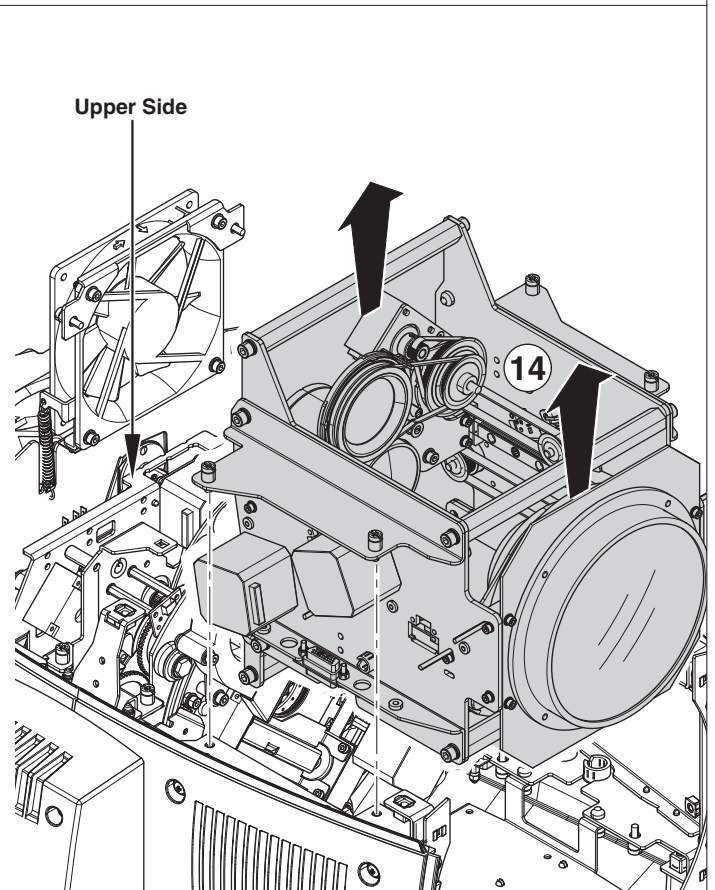
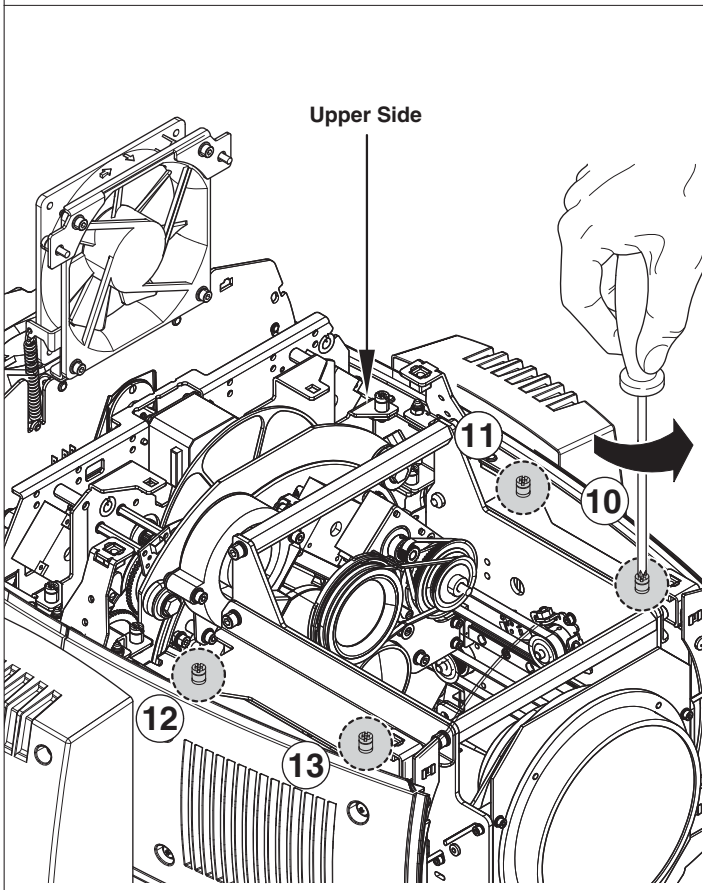
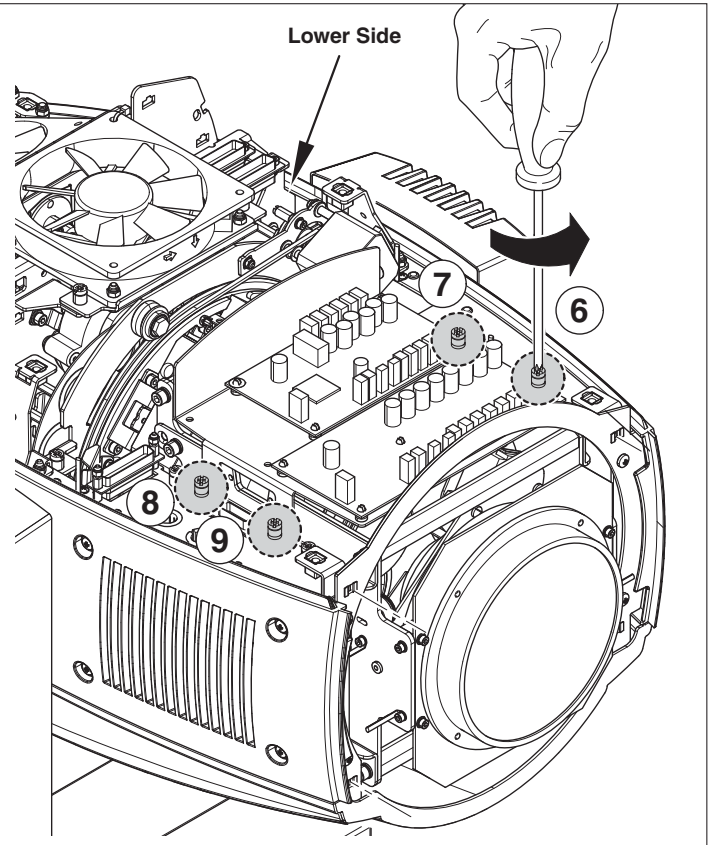
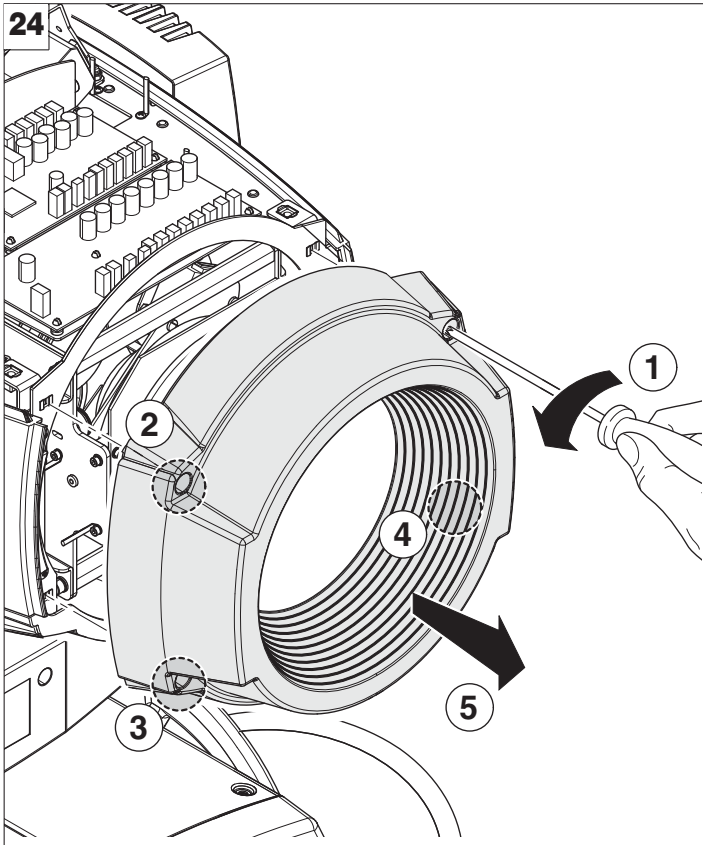
To ensure optimal operation and performance for a long time it is essential to periodically clean the parts subject to dust and grease deposits. The frequency with which the following operations are to be carried out depends on various factors, such as the amount of the effects and the quality of the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



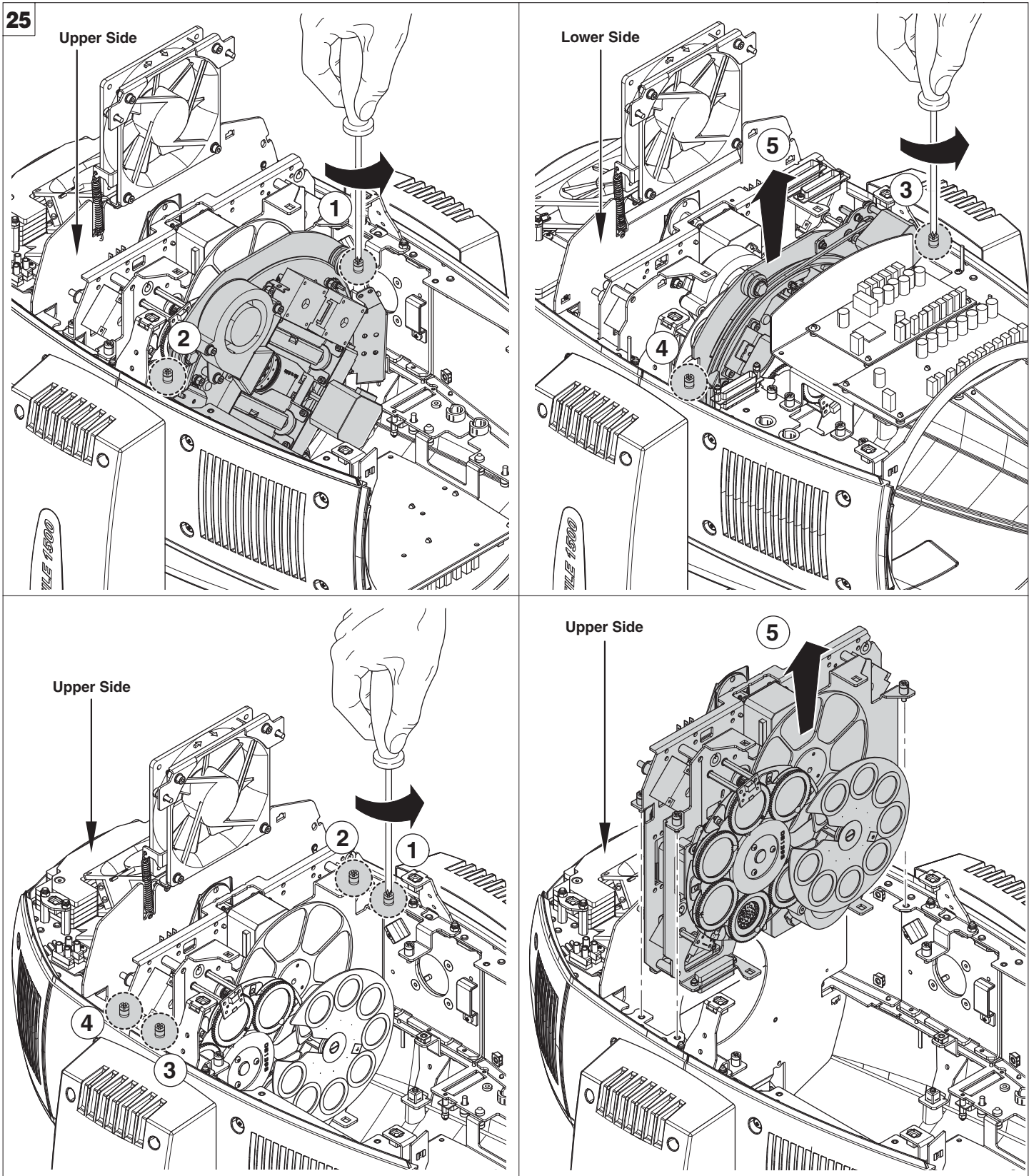
Extraction of the effect modules: Preliminary operations - Fig. 23



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

TECHNICAL INFORMATION

Power supplies available

200-240V 50/60Hz

Input power

- 2000VA a 230V 50Hz.

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

In conformity with the European Union Low Voltage Directive 2006/95/CE and Electromagnetic compatibility Directive 2004/108/CE.

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

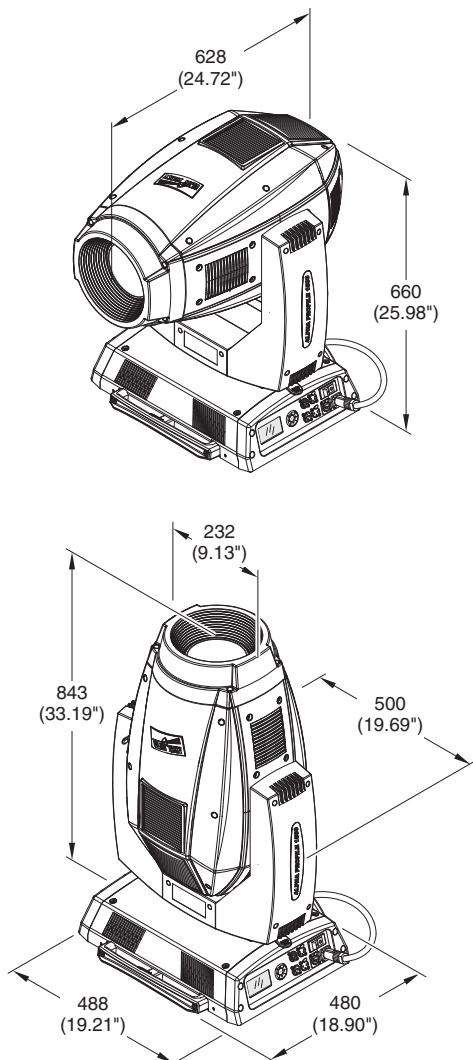
- Aluminium structure with die-cast plastic cover.
- Two side handles for transportation.
- Device locking PAN and TILT mechanisms for transportation and maintenance.

Working position

Functioning in any position.

Weights

about 50.35 Kg (110lbs, 12ozs).



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

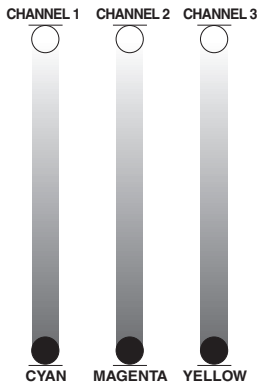
ALPHA PROFILE 1500

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	100	COLOUR EXCLUDED
0	0.0	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	100	COLOUR INSERTED
0	0.0	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	100	FILTER INSERTED
0	0.0	FILTER EXCLUDED

• COLOUR WHEEL - channel 5



BIT	%	EFFECT
255	100	FAST ROTATION 160 rpm
128	50.0	SLOW ROTATION 0.2rpm
117	46.0	BLUE
97	38.0	ORANGE
77	30.0	AQUAMARINE
58	23.0	GREEN
39	15.0	PINK
20	8.0	RED
0	0.0	WHITE

• MACRO COLOURS - channel 6

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

• STOP / STROBE - channel 7



BIT	%	EFFECT
252 - 255	98.7 - 100	OPEN
239 - 251	93.7 - 98.2	RANDOM FAST STROBE
226 - 238	88.7 - 93.2	RANDOM MEDIUM STROBE
213 - 225	83.7 - 88.2	RANDOM SLOW STROBE
208 - 212	81.7 - 83.2	OPEN
207	81.2	FAST PULSATION
...
108	42.5	SLOW PULSATION
104 - 107	41.0 - 42.0	OPEN
103	40.5	FAST STROBE (12 flash/sec)
...
4	1.7	SLOW STROBE (1 flash/sec)
0 - 3	0.0 - 1.2	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	100	
...
0	0.0	

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

• DIMMER FINE - channel 9



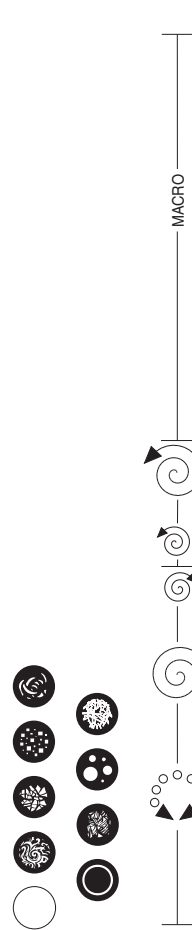
BIT	%	EFFECT
255	100	
...
0	0.0	

• IRIS - channel 10



BIT	%	EFFECT
252 - 255	98.7 - 100	MAXIMUM APERTURE
251	98.2	FAST PULSATION, FAST CLOSING
212	83.2	SLOW PULSATION, FAST CLOSING
211	83	FAST PULSATION, FAST OPENING
...
172	67.5	SLOW PULSATION, FAST OPENING
171	67	FAST PULSATION
...
132	51.7	SLOW PULSATION
128 - 131	50.0 - 51.2	MAXIMUM APERTURE
...
0	0.0	MINIMUM APERTURE

• STATIC GOBO CHANGE - channel 11



BIT	%	EFFECT
255	100	GOBO 8 SHAKE, FAST SPEED
...
244	95.5	GOBO 8 SHAKE, SLOW SPEED
243	95.0	GOBO 7 SHAKE, FAST SPEED
...
232	91.0	GOBO 7 SHAKE, SLOW SPEED
231	90.5	GOBO 6 SHAKE, FAST SPEED
...
220	86.2	GOBO 6 SHAKE, SLOW SPEED
219	86.0	GOBO 5 SHAKE, FAST SPEED
...
208	81.7	GOBO 5 SHAKE, SLOW SPEED
207	81.2	GOBO 4 SHAKE, FAST SPEED
...
196	76.7	GOBO 4 SHAKE, SLOW SPEED
195	76.2	GOBO 3 SHAKE, FAST SPEED
...
184	72.0	GOBO 3 SHAKE, SLOW SPEED
183	71.7	GOBO 2 SHAKE, FAST SPEED
...
172	67.5	GOBO 2 SHAKE, SLOW SPEED
171	67.0	GOBO 1 SHAKE, FAST SPEED
...
160	63.0	GOBO 1 SHAKE, SLOW SPEED
159	62.5	FAST ROTATION (100 rpm)
...
118	46.2	SLOW ROTATION (5 rpm)
114 - 117	44.7 - 46.0	STOP
113	44.2	SLOW ROTATION (5 rpm)
...
72	28.2	FAST ROTATION (100 rpm)
64 - 71	25.0 - 28.0	GOBO 8
56 - 63	22.0 - 24.7	GOBO 7
48 - 55	18.7 - 21.7	GOBO 6
40 - 47	15.5 - 18.2	GOBO 5
32 - 39	12.5 - 15.0	GOBO 4
24 - 31	9.5 - 12.0	GOBO 3
16 - 23	6.2 - 9.0	GOBO 2
8 - 15	3.2 - 6.0	GOBO 1
0 - 7	0 - 3.0	WHITE

• ROTATING GOBO CHANGE - channel 12



BIT	%	EFFECT
255	100	GOBO 6 SHAKE, FAST SPEED
...
235	92.0	GOBO 6 SHAKE, SLOW SPEED
234	91.7	GOBO 5 SHAKE, FAST SPEED
...
214	84.0	GOBO 5 SHAKE, SLOW SPEED
213	83.7	GOBO 4 SHAKE, FAST SPEED
...
193	75.5	GOBO 4 SHAKE, SLOW SPEED
192	75.0	GOBO 3 SHAKE, FAST SPEED
...
172	67.5	GOBO 3 SHAKE, SLOW SPEED
171	67.0	GOBO 2 SHAKE, FAST SPEED
...
151	59.0	GOBO 2 SHAKE, SLOW SPEED
150	58.7	GOBO 1 SHAKE, FAST SPEED
...
130	51.0	GOBO 1 SHAKE, SLOW SPEED
112-129	44.0-50.5	GOBO 6
...
93-111	36.2-43.7	GOBO 5
...
75-92	29.5-36.0	GOBO 4
...
56-74	22.0-29.0	GOBO 3
...
38-55	14.7-21.7	GOBO 2
...
19-37	7.5-14.2	GOBO 1
0-18	0-7.0	WHITE

• GOBO ROTATION - channel 13



BIT	%	EFFECT
255	100	FAST ROTATION (150 rpm)
193	75.5	SLOW ROTATION (2,2 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (2,2 rph)
128	50.0	FAST ROTATION (150 rpm)
127	49.7	540° POSITION
105	41.7	450° POSITION
84	33.0	360° POSITION
63	24.7	270° POSITION
42	16.2	180° POSITION
21	8.2	90° POSITION
0	0.0	0° POSITION

• GOBO FINE - channel 14



BIT	%
255	100
127	50.0
0	0.0

• PRISM INSERTION - channel 15

BIT	%	EFFECT
255	100	PRISM INSERTED
128	50.0	
127	49.7	PRISM EXCLUDED
0	0.0	

• PRISM ROTATION - channel 16



BIT	%	EFFECT
255	100	FAST ROTATION (120 rpm)
193	75.5	SLOW ROTATION (3 rph)
191 - 192	74.7 - 75.0	STOP
190	74.2	SLOW ROTATION (3 rph)
128	50.0	FAST ROTATION (120 rpm)
127	49.7	POSITION 540°
105	41.7	POSITION 450°
84	33.0	POSITION 360°
63	24.7	POSITION 270°
42	16.2	POSITION 180°
21	8.2	POSITION 90°
0	0.0	POSITION 0°

• FROST - channel 17



BIT	%	EFFECT
255	100	FROST INSERTED
0	0.0	FROST EXCLUDED

• BLADE UP 1 - channel: 18



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• BLADE UP 2 - channel: 19



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• BLADE DW 1 - channel: 20



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• BLADE DW 2 - channel: 21



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• BLADE LF 2 - channel: 25



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• BLADE RG 1 - channel: 22



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

Important:

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

• BLADE RG 2 - channel: 23



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• FRAMING ROTATION - channel: 26



BIT	%
255	100
127	50.0
0	0.0

• BLADE LF 1 - channel: 24



BIT	%	EFFECT
255	100	BLADE IN
127	50.0	
0	0.0	BLADE OUT

• FOCUS - channel 27



BIT	%	EFFECT
255	100	NEAR
0	0.0	DISTANT

• FOCUS FINE - channel 28



BIT	%	EFFECT
255	100	NEAR
0	0.0	DISTANT

• ZOOM - channel: 29



BIT	%	EFFECT
255	100	NARROW BEAM
0	0.0	WIDE BEAM

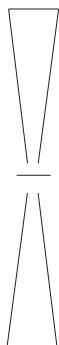
• AUTOFOCUS DISTANCE - channel 30

AUTOFOCUS priority:

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

BIT	%	EFFECT
255	100	100 METRES
128	50.0	50 METRES
102	40.0	40 METRES
77	30.0	30 METRES
51	20.0	20 METRES
26	10.0	10 METRES
7	3.0	3 METRES
0-6	0.0-2.5	AUTOFOCUS OFF

• AUTOFOCUS ADJUSTMENT - channel 31



BIT	%	EFFECT
255	100	FOCUS FINE
128	50.0	
0	0.0	FOCUS FINE

• MACRO EFFECTS - channel 32

BIT	%	EFFECT
232-255	91,0-100	STAND BY BLACK
220-231	86,2-90,5	RANDOM MACRO 8
208-219	81,7-86,0	RANDOM MACRO 7
196-207	76,7-81,2	RANDOM MACRO 6
184-195	72,0-76,2	RANDOM MACRO 5
172-183	67,5-71,7	RANDOM MACRO 4
160-171	63,0-67,0	RANDOM MACRO 3
148-159	58,0-62,5	RANDOM MACRO 2
136-147	53,2-57,5	RANDOM MACRO 1
112-135	44,0-53,0	STAND BY BLACK
100-111	39,0-43,7	MACRO 8
88-99	34,2-38,7	MACRO 7
76-87	29,7-34,0	MACRO 6
64-75	25,0-29,5	MACRO 5
52-63	20,5-24,7	MACRO 4
40-51	15,5-20,0	MACRO 3
28-39	11,0-15,0	MACRO 2
16-27	6,2-10,5	MACRO 1
12-15	4,7-6,0	STAND BY BLACK
8-11	3,2-4,2	STAND BY
0-7	0,0-3,0	MACRO OFF

• PAN - channel 33

Operation with option InvertPan \diamond Off

(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)

BIT	%
255	100
0	0.0

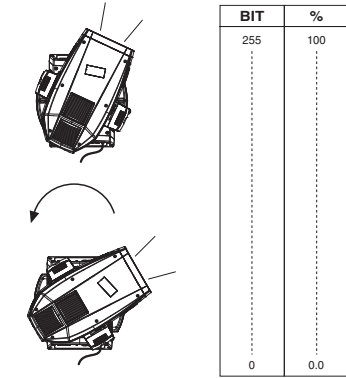
Operation with option InvertPan \diamond On

(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)

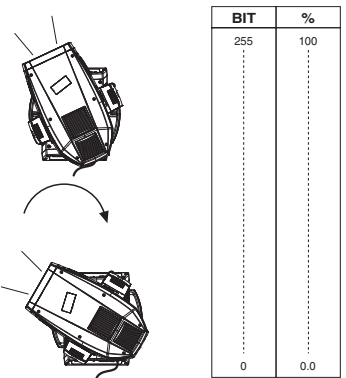
BIT	%
255	100
0	0.0

• PAN FINE - channel 34

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

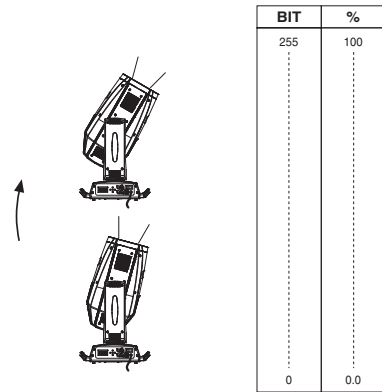


Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)

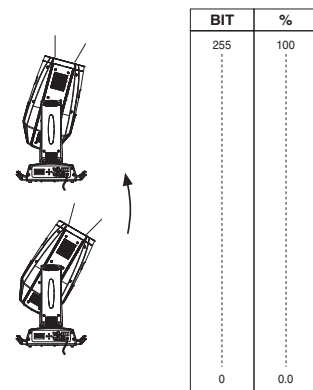


• TILT FINE - channel 36

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

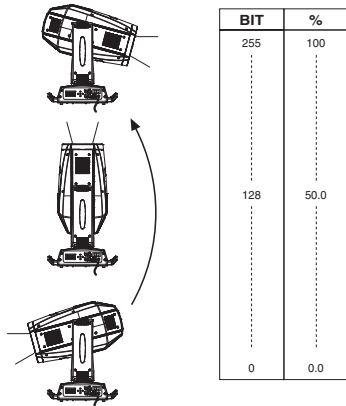


Operation with option Invert Tilt \diamond On
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)

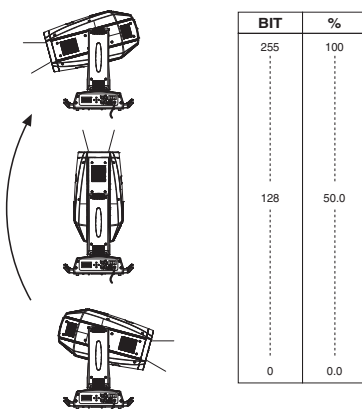


• TILT - channel 35

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)



• FUNCTION - channel: 37

BIT	%	EFFECT	
255	100	UNUSED RANGE	
.....		
63	24.7		
51-62	20.0-24.2		DIMMER CURVE FUNCTION
38-50	14.7-19.5		
25-37	9.7-14.2	PAN-TILT FUNCTION	
12-24	4.7-9.5		
0-11	0.0-4.2	UNUSED RANGE	

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

• RESET - channel: 38

BIT	%	EFFECT
255	100	COMPLETE RESET
.....	.....	Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels.
128	50.0	COMPLETE RESET
127	49.7	PAN / TILT RESET
.....	.....	Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels.
77	30.0	PAN / TILT RESET
76	29.7	EFFECTS RESET
.....	.....	Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels.
26	10.0	EFFECTS RESET
25	9.7	EFFECTS RESET
.....	.....	UNUSED RANGE
0	0.0	

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

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



BIT	%	EFFECT
255	100	LAMP ON (1500W)
.....	.....	Lamp ignition after 5 s in full power levels. Immediate transition from half to full power.
180	70.5	LAMP ON (1500W)
179	70.0	LAMP ON (1200W)
.....	.....	Immediate transition from full to half power. Lamp ignition not allowed in half power.
101	39.5	LAMP ON (1200W)
100	39.0	LAMP OFF
.....	.....	Lamp switch off passing through the unused range and staying 5 s in Lamp OFF levels.
26	10.0	LAMP OFF
25	9.7	
0	0.0	UNUSED RANGE

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		143		186		230	
15	3	58	15	101	31	144	48	187	85	231	240
16	3.2	59	16	102		145		188		232	
17	3.4	60	17	103	32	146	49	189	90	233	250
18	3.6	61	18	104		147		190		234	
19	3.8	62	19	105	33	148	50	191	95	235	260
20	4	63	20	106		149		192		236	
21	4.2	64	21	107	34	150	51	193	100	237	270
22	4.4	65	22	108		151		194		238	
23	4.6	66	23	109	35	152	52	195	110	239	280
24	4.8	67	24	110		153		196		240	
25	5	68	25	111	36	154	53	197	120	241	290
26	5.2	69	26	112		155		198		242	
27	5.4	70	27	113	37	156	54	199	130	243	300
28	5.6	71	28	114		157		200		244	
29	5.8	72	29	115	38	158	55	201	140	245	280
30	6	73	30	116		159		202		246	
31	6.2	74	31	117	39	160	56	203	150	247	290
32	6.4	75	32	118		161		204		248	
33	6.6	76	33	119	40	162	57	205	160	249	300
34	6.8	77	34	120		163		206		250	
35	7	78	35	121	41	164	58	207	170	251	310
36	7.2	79	36	122		165		208		252	
37	7.4	80	37	123	42	166	59	209	180	253	310
38	7.6	81	38	124		167		210		254	
39	7.8	82	39	125	43	168	60	211	190	255	Follow cue Data
40	8	83	40	126		169		212			
41	8.2	84	41	127	44	170	61	213	200		
42	8.4	85	42	128		171		214			
								215	210		