**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.

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**INDEX**

<table>
<thead>
<tr>
<th>Page</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Safety information</td>
</tr>
<tr>
<td>3</td>
<td>Unpacking and preparation</td>
</tr>
<tr>
<td>4</td>
<td>Installation and start-up</td>
</tr>
<tr>
<td>5</td>
<td>Control panel</td>
</tr>
<tr>
<td>7</td>
<td>Menu setting</td>
</tr>
<tr>
<td>14</td>
<td>Maintenance</td>
</tr>
<tr>
<td>15</td>
<td>Cause and solution of problems</td>
</tr>
<tr>
<td>16</td>
<td>Technical information</td>
</tr>
<tr>
<td>17</td>
<td>Channel functions</td>
</tr>
</tbody>
</table>

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• 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 0.20 metres (8”) 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 (Ta) 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 90°C (194°F).

• Maintenance
Before starting any maintenance work or cleaning the projector, cut off power from the mains supply.

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

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

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
Installing the projector - Fig. 3
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.

Connecting and disconnecting power cable - Fig. 4
Sw itching on the projector - Fig. 7
Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

- Model: A.leda B-EYE CC
- Firmware Version: X.X.X
- Dmx Address: xxx
- System errors:
  - E: .........................
  - W: .........................

On conclusion of resetting in case of absence of the dmx signal, Pan and Tilt move to the “Home” position (Pan 50% - Tilt 50%). The control panel (Fig. 7) 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 key will be cancelled.

Connecting to the mains supply - Fig. 5

Connecting to the control signal line (DMX) - Fig. 6
Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

Switching on the projector - Fig. 7
Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

- Model: A.leda B-EYE CC
- Firmware Version: X.X.X
- Dmx Address: xxx
- System errors:
  - E: .........................
  - W: .........................

On conclusion of resetting in case of absence of the dmx signal, Pan and Tilt move to the “Home” position (Pan 50% - Tilt 50%). The control panel (Fig. 7) 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 key will be cancelled.
Reversal of the display - Fig. 8
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

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td>Confirms the displayed value, or activates the displayed function, or enters the successive menu.</td>
</tr>
<tr>
<td>DOWN</td>
<td>Decreases the value displayed (with auto-repetitions) or passes to the next item in the menu.</td>
</tr>
<tr>
<td>UP</td>
<td>Increases the value displayed (with auto-repetitions) or passes to the previous item in a menu.</td>
</tr>
<tr>
<td>LEFT</td>
<td>Return to the top level.</td>
</tr>
<tr>
<td>RIGHT</td>
<td>Commute from units, tens, hundreds, in the &quot;Address&quot;, &quot;Fixture ID&quot; and &quot;Calibration&quot; menu.</td>
</tr>
</tbody>
</table>

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.13
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. Set Up
   - Dmx Address
   - Fixture ID

2. Option
   - Pan / Tilt
   - Invert Pan
     - Invert Tilt
     - Swap Pan-Tilt
     - Encoder Pan-Tilt
   - Silent Mode
     - Standard
     - Quiet
   - Dimmer cut-off
   - Display
     - Pan/Tilt speed
     - Dimmer curve
   - Special Functions
     - RGB Gamma
     - Halogen Mode
   - Setting
     - Default Preset
     - User Preset 1
     - User Preset 2
     - User Preset 3

3. Information
   - System Errors
   - Fixture Hours
   - Led Energy tot
   - System Version
   - Board Diagnost.
   - Dmx Monitor
   - Fans Monitor
   - RDM Device UID

4. Manual Control
   - Reset
   - Channel

5. Test
   - Pan / Tilt
     - Colour
     - Zoom
     - All

6. Advanced
   - Access code
     - 1234
     - Upload Aleda Firmware
     - Setup Model
     - Calibration
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 \( \text{(F)} \) - the current DMX Address appear on the display.
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \), \( \text{(RIGHT)} \) keys to plan the DMX Address.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

**FIXTURE ID**

Allows you to select the FIXTURE ID.
1) Press \( \text{(F)} \) - the current Fixture ID appear on the display.
2) Use the \( \text{(UP)} \), \( \text{(DOWN)} \), \( \text{(RIGHT)} \) keys to plan the Fixture ID.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

**OPTIONS MENU**

**PAN / TILT**

Invert Pan

Used for reversing Pan movement.
1) Press \( \text{(F)} \) - the current settings appear on the display (On or Off).
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) keys to enable (On) or disable (Off) Pan inversion.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

Invert Tilt

Used for reversing tilt movement.
1) Press \( \text{(F)} \) - the current settings appear on the display (On or Off).
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) keys to enable (On) or disable (Off) Tilt inversion.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

Swap Pan-Tilt

Used for swapping Pan and Tilt channels (as well as Pan fine and Tilt fine).
1) Press \( \text{(F)} \) - the current settings appear on the display (On or Off).
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) keys to enable (On) or disable (Off) Pan and Tilt channel swap.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

Encoder Pan-Tilt

Used for enabling the Pan / Tilt encoders.
1) Press \( \text{(F)} \) - the current settings appear on the display (On or Off).
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) keys to enable (On) or disable (Off) Pan / Tilt encoders.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

**DIMMER CUT-OFF**

Used to set a DMX fine value under which the dimmer remains to zero level.
1) Press \( \text{(F)} \) - the current Dimmer cut-off appear on the display.
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \), \( \text{(RIGHT)} \) keys to plan the Dimmer cut-off.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.

**SILENT MODE**

It lets you select the “Silent Mode” from the two available.
1) Press \( \text{(F)} \) the current setting appears on the display.
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) 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 \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep the current setting.

**DISPLAY**

Used for automatically reduce brightness on the display after about 30 seconds
1) Press \( \text{(F)} \) - the current settings appear on the display (On or Off).
2) Use the \( \text{(UP)} \) and \( \text{(DOWN)} \) keys to enable (On) or disable (Off) the decreasing of display brightness.
3) Press \( \text{(F)} \) to confirm the selection or \( \text{(LEFT)} \) to keep current settings.
SPECIAL FUNCTIONS

Pan / Tilt speed
Lets you select two different Pan and Tilt speeds.
1) Press \( \rightarrow \) - the current setting appears on the display.
2) Use the UP \( \uparrow \) and DOWN \( \downarrow \) keys to select one of the following settings:
   - Normal
   - Fast
3) Press \( \downarrow \) to confirm the selection or LEFT \( \leftarrow \) to keep current settings.

Dimmer Curve
Lets you select four different Dimmer channel curves.
1) Press \( \downarrow \) - the current setting appears on the display.
2) Use the UP \( \uparrow \) and DOWN \( \downarrow \) keys to select one of the following settings:
   - Curve 1
   - Curve 2
   - Curve 3
   - Curve 4
3) Press \( \downarrow \) to confirm the selection or LEFT \( \leftarrow \) to keep current settings.

RGB Gamma
Lets you select three different RGBW gamma curves.
1) Press \( \downarrow \) - the current setting appears on the display.
2) Use the UP \( \uparrow \) and DOWN \( \downarrow \) keys to select one of the following settings:
   - Gamma 1.0
   - Gamma 1.5
   - Gamma 2.0
3) Press \( \downarrow \) to confirm the selection or LEFT \( \leftarrow \) to keep current settings.

Halogen Mode
Lets you select five different halogen lamp simulations.
1) Press \( \downarrow \) - the current setting appears on the display.
2) Use the UP \( \uparrow \) and DOWN \( \downarrow \) keys to select one of the following settings:
   - Halogen OFF
   - Halogen Lamp 1
   - Halogen Lamp 2
   - Halogen Lamp 3
   - Halogen Lamp 4
   - Halogen Lamp 5
3) Press \( \downarrow \) to confirm the selection or LEFT \( \leftarrow \) to keep current settings.

SETTING
Used to save 3 different settings of the items in the options menu and relative submenus.
1) Press \( \downarrow \) - "Default preset" appears on the display.
2) Use the UP \( \uparrow \) and DOWN \( \downarrow \) keys to select one of the following configurations:
   - Default preset (*)
   - User preset 1
   - User preset 2
   - User preset 3
3) Press \( \downarrow \) - "Load preset X" appears on the display.
4) Use the UP \( \uparrow \) and DOWN \( \downarrow \) 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 \( \downarrow \), 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
Invert Pan    Off
Invert Tilt   Off
Swap Pan-Tilt Off
Encoder Pan-Tilt On
Silent Mode Standard
Display Off
Pan/Tilt speed Fast
Dimmer Curve Curve 1
RGB Gamma Gamma 1.5
Halogen Mode Halogen OFF
**SYSTEM ERRORS**

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

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

**FIXTURE HOURS**

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

1) Press ę - Hours total and partial appears on the display.
   **Total counter**
   Counts the number of projector working life hours (from manufacture to date).
   **Partial counter**
   Counts the number of partial projector working life hours since the last reset to date.
2) Press ę to reset partial projector working hours a confirmation message (Are you sure?) appears on the display.
3) Select YES to reset partial projectors counter or NO to keep the current setting and return to the top menu level.

**LED ENERGY TOT**

Lets you view total LED working hours.

1) Press ę - to display total and partial Watts/hour:
   **Total**
   Total LED working hours from construction to date.
   **Partial**
   LED working hours from last reset to date.
2) Press ę to reset the partial counter. A confirmation appears on the screen (Are you sure?)
3) Select YES to reset the partial counter or NO to keep the current setting and open the next menu level.

**SYSTEM VERSION**

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

(CPU and LED board).

**BOARD DIAGNOSTIC**

Used for displaying the status error of each board installed in the projector: Led 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: PwrSp (fan PSU) Head (fan head)

**RDM DEVICE UID**

Shows the exclusive address of the fixture to use communicate via RDM.
**MANUAL CONTROL**

**RESET**
Used for resetting the projector.
1) Press 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 the first channel appears on the display.
2) Use the UP and DOWN keys to select the required channel.
3) Press 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**

**TEST**
Allows you to check the proper functioning of effects.
1) Press to return to the top menu level.
2) Use the UP and DOWN keys to select the required test.
3) Press to confirm the selection or LEFT to keep current settings.

Test sequence:
- Pan-Tilt effects (Pan & Tilt)
- Colour effects
- Zoom
- All effects

**ADVANCED MENU**
To enable the “Advanced Menu” set up the “Access code” (1234) using the UP, DOWN, RIGHT keys.
Press - “Menu advanced” appears on the display

**UPLOAD FIRMWARE**
Allows you to transfer the firmware from 1 fixture to all the connected fixtures.
1) Press , 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 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 - “channels” appears on the display.
2) Using the UP and DOWN keys, select the effect you wish to regulate.
3) Press and use the RIGHT, UP and DOWN buttons to make the adjustment by setting a value between 0 and 255.
4) Press 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 – 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.
WARNING:
no alcohol

CAUTION:
- To avoid damage to the internal parts of the fixture when the fixture is not working, it is recommended to turn the head down before turning the fixture off, so that the front lenses of the fixture are invested as little as possible from the sun.
- Set channel 20 (Zoom) to 255-bit before turning off the projector to facilitate the packaging of the projector.

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.). 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.

Cleaning the lenses
Only use neutral soap and water to clean the lenses, then dry it carefully with a soft, non-abrasive cloth. (WARNING: the use of alcohol or any other detergent could damage the lenses).
Battery removal - Fig. 10

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

LiFePO4
Opening the covers - Fig. 11

Removing/Assembling the lens unit - Fig. 12
**CAUSE AND SOLUTION OF PROBLEMS**

<table>
<thead>
<tr>
<th>POSSIBLE CAUSES</th>
<th>CHECKS AND REMEDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>No mains supply.</td>
<td>Check the power supply voltage.</td>
</tr>
<tr>
<td>LED exhausted or defective.</td>
<td>Call an authorised technician.</td>
</tr>
<tr>
<td>Signal transmission cable faulty or disconnected.</td>
<td>Replace the cables.</td>
</tr>
<tr>
<td>Incorrect addressing.</td>
<td>Check addresses (see instructions).</td>
</tr>
<tr>
<td>Fault in the electronic circuits.</td>
<td>Call an authorised technician.</td>
</tr>
<tr>
<td>Lenses or reflector broken</td>
<td>Call an authorised technician.</td>
</tr>
<tr>
<td>Dust or grease deposited.</td>
<td>Clean (see instructions).</td>
</tr>
</tbody>
</table>

**THE PROJECTOR WILL NOT SWITCH ON**

**ELECTRONICS NON-OPERATIONAL**

**DEFECTIVE PROJECTION**

**REDUCED LUMINOSITY**

- Fig. 13

Replacing the line actuator - Fig. 13
**TECHNICAL INFORMATION**

**A.Leda B-EYE K10 CC**

- **Power supplies available**
  - 100-240V 50/60Hz

- **Input power**
  - K10 CC - 350VA
  - K20 CC - 550VA

- **LED source**
  - Osram Ostar RGBW - 15W LED
  - Average LED life: 50,000 h

- **Motors**
  - 5 (k10), 6 (k20) stepper motors, operating with microsteps, totally microprocessor controlled.

- **Cooling**
  - High efficiency die-cast aluminium
  - Forced ventilation

- **Inputs**
  - DMX 512

- **Working position**
  - Working in any position.

- **Moving head**
  - Movement by means of two stepper motors, controlled by microprocessor.
  - Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.
  - Angle:
    - PAN = 540°
    - TILT = 210°

- **IP20 protection rating**
  - Protected against the entry of solid bodies larger than 12mm (0.47”).
  - No protection against the entry of liquids.

- **CE Marking**
  - Compiles with the following European Directives
    - 2006/95/EC (LVD)
    - 2004/108/EC (EMC)
    - 2011/65/EU (RoHS).

- **Weights**
  - B-EYE K10 CC: 14.5 kg (31.14 lbs)
  - B-EYE K20 CC: 21 kg (46.3 lbs)
NB: To prevent accidental breakage of the effects, which could collide with each other during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level @0 bit).

<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>CHANNEL MODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red</td>
</tr>
<tr>
<td>2</td>
<td>RedFine</td>
</tr>
<tr>
<td>3</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>GreenFine</td>
</tr>
<tr>
<td>5</td>
<td>Blue</td>
</tr>
<tr>
<td>6</td>
<td>BlueFine</td>
</tr>
<tr>
<td>7</td>
<td>White</td>
</tr>
<tr>
<td>8</td>
<td>WhiteFine</td>
</tr>
<tr>
<td>9</td>
<td>CTO</td>
</tr>
<tr>
<td>10</td>
<td>Macro Colour</td>
</tr>
<tr>
<td>11</td>
<td>Strobe</td>
</tr>
<tr>
<td>12</td>
<td>Dimmer</td>
</tr>
<tr>
<td>13</td>
<td>Dimmer fine</td>
</tr>
<tr>
<td>14</td>
<td>Pan</td>
</tr>
<tr>
<td>15</td>
<td>Pan fine</td>
</tr>
<tr>
<td>16</td>
<td>Tilt</td>
</tr>
<tr>
<td>17</td>
<td>Tilt fine</td>
</tr>
<tr>
<td>18</td>
<td>Function</td>
</tr>
<tr>
<td>19</td>
<td>Reset</td>
</tr>
<tr>
<td>20</td>
<td>Zoom</td>
</tr>
</tbody>
</table>
**EFFECT**  
A LEDA B-EYE CC

**NOTE:** On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 128 bit - Tilt 128 bit) all the others channels stay at 0 bit.

### (1 - 3 - 5 - 7)
**RED - GREEN - BLUE - WHITE**

<table>
<thead>
<tr>
<th>BIT</th>
<th>EFFECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>255</td>
<td>LED ON</td>
</tr>
<tr>
<td>0</td>
<td>LED OFF</td>
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</tbody>
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### (2 - 4 - 6 - 8)
**RED FINE – GREEN FINE – BLUE FINE – WHITE FINE**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>255</td>
<td>UP</td>
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<tr>
<td>0</td>
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### (9)
**LINEAR CTO**

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<tr>
<td>...</td>
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</tr>
<tr>
<td>224</td>
<td>3030 K</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>188</td>
<td>4300 K</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>144</td>
<td>5030 K</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>117</td>
<td>6380 K</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
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<tr>
<td>99</td>
<td>6830 K</td>
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<td>...</td>
<td>...</td>
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<tr>
<td>54</td>
<td>7300 K</td>
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<td>...</td>
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<tr>
<td>10</td>
<td>7930 K</td>
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<td>...</td>
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<tr>
<td>0-8</td>
<td>UNUSED RANGE</td>
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### (10)
**MACRO COLOUR**

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<td>-</td>
<td>White</td>
<td>255 235 66 255</td>
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<td>208</td>
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<td>Dirty White</td>
<td>255 255 122 255</td>
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<td>207</td>
<td>197</td>
<td>Alice Blue</td>
<td>128 255 143 0</td>
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<td>191-206</td>
<td>181</td>
<td>Congo Blue</td>
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<td>184-190</td>
<td>174</td>
<td>Dark Steel Blue</td>
<td>158 247 89 0</td>
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<td>180-183</td>
<td>170</td>
<td>Deep lavender</td>
<td>232 165 58 0</td>
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<tr>
<td>179</td>
<td>169</td>
<td>Lilac Tint</td>
<td>246 208 45 0</td>
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<td>175-178</td>
<td>165</td>
<td>Daylight Blue</td>
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<td>174</td>
<td>164</td>
<td>Flame Red</td>
<td>211 27 2 0</td>
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<td>172-173</td>
<td>162</td>
<td>Bastard Amber</td>
<td>227 176 23 0</td>
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<td>168-171</td>
<td>158</td>
<td>Deep Orange</td>
<td>227 86 1 0</td>
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<tr>
<td>162-167</td>
<td>152</td>
<td>Pale Gold</td>
<td>255 189 24 0</td>
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<td>157-161</td>
<td>147</td>
<td>Apricot</td>
<td>231 142 11 0</td>
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<td>151-156</td>
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<td>139</td>
<td>Primary Green</td>
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<td>147-148</td>
<td>137</td>
<td>Special lavender</td>
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<td>146</td>
<td>136</td>
<td>Pale Lavender</td>
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<td>145</td>
<td>135</td>
<td>Deep Golden Amber</td>
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<td>142-144</td>
<td>132</td>
<td>Medium Blue</td>
<td>0 239 135 0</td>
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<td>128</td>
<td>Bright Pink</td>
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<td>Mauve</td>
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<td>134-135</td>
<td>124</td>
<td>Dark Green</td>
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<td>131-133</td>
<td>121</td>
<td>Leaf Green</td>
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<td>118</td>
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<td>127</td>
<td>117</td>
<td>Steel Blue</td>
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<td>126</td>
<td>116</td>
<td>Med Blu Green</td>
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<td>Peacock Blue</td>
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<td>108</td>
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<td>107</td>
<td>Light Rose</td>
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<td>Orange</td>
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<td>Straw</td>
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<td>102</td>
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<td>Spring Yellow</td>
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<td>Dark yellow green</td>
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<td>Pink Carnation</td>
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<td>-</td>
<td>Green</td>
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• (11) STROBE

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<th>EFFECT</th>
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<tbody>
<tr>
<td>192 - 195</td>
<td>LED ON</td>
</tr>
<tr>
<td>196 - 198</td>
<td>RANDOM FAST STROBE</td>
</tr>
<tr>
<td>199 - 201</td>
<td>RANDOM MEDIUM STROBE</td>
</tr>
<tr>
<td>202 - 205</td>
<td>RANDOM SLOW STROBE</td>
</tr>
<tr>
<td>206 - 207</td>
<td>LED OFF</td>
</tr>
<tr>
<td>208 - 212</td>
<td>FAST PULSATION (25 flashes/sec)</td>
</tr>
<tr>
<td>213 - 225</td>
<td>SLOW PULSATION (0.5 flashes/sec)</td>
</tr>
<tr>
<td>226 - 230</td>
<td>LED ON</td>
</tr>
<tr>
<td>231 - 238</td>
<td>FAST STROBE (25 flashes/sec)</td>
</tr>
<tr>
<td>239 - 251</td>
<td>RANDOM MEDIUM STROBE</td>
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<tr>
<td>252 - 255</td>
<td>LED ON</td>
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• (12) DIMMER

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• (13) DIMMER FINE

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• (14) PAN

Operation with option InvertPan ▶ Off

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Operation with option InvertPan ▶ On

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• (15) PAN FINE

Operation with option InvertPan ▶ Off

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Operation with option InvertPan ▶ On

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<tbody>
<tr>
<td>195</td>
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</tbody>
</table>
• (16) TILT
Operation with option InvertTilt ◆ Off

K10 CC
K20 CC

BIT EFFECT
255 – 255<br>0 – 11

Operation with option InvertTilt ◆ On

BIT EFFECT
255 – 255<br>0 – 11

• (17) TILT FINE
Operation with option InvertTilt ◆ Off

K10 CC
K20 CC

BIT EFFECT
255 – 255<br>0 – 11

Operation with option InvertTilt ◆ On

BIT EFFECT
255 – 255<br>0 – 11

• (18) FUNCTION

K10 CC
K20 CC

BIT EFFECT
251 – 255<br>Reset to default
103 – 250<br>Unused Range
95 – 102<br>Halogen Lamp Simulation, type 5 (2500 W)
93 – 97<br>Halogen Lamp Simulation, type 4 (2000 W)
86 – 92<br>Halogen Lamp Simulation, type 3 (1200 W)
78 – 82<br>Halogen Lamp Simulation, type 2 (1000 W)
73 – 77<br>Halogen Lamp Simulation OFF (Default)
66 – 72<br>RGBW Gamma curve 3 – gamma = 2.0
58 – 62<br>RGBW Gamma curve 2 – gamma = 1.5 (Default)
53 – 57<br>Dimmer Curve 4
46 – 52<br>Dimmer Curve 3 (Default)
41 – 47<br>Dimmer Curve 2
36 – 42<br>Dimmer Curve 1
25 – 31<br>Pan Tilt Normal
12 – 24<br>Pan Tilt Fast (Default)
0 – 11<br>Function off

The functions are activated passing through the "unused range" and staying 5 seconds in necessary level. Last selected function still active. Enable setting a new function.

DIMMER CURVE 1 - GAMMA 1 LINEAR
DIMMER CURVE 2 - GAMMA 1.5
DIMMER CURVE 3 - GAMMA 2.0
DIMMER CURVE 4 - S

The functions are activated passing through the "unused range" and staying 5 seconds in necessary level. Last selected function still active. Enable setting a new function.

• (19) RESET

K10 CC
K20 CC

BIT EFFECT
255 – 255<br>COMPLETE RESET
128 – 125<br>PAN / TILT RESET
126 – 121<br>COMPLETE RESET
77 – 76<br>PAN / TILT RESET
75 – 71<br>ZOOM RESET
25 – 23<br>ZOOM RESET
22 – 20<br>COMPLETE RESET
0 – 11<br>UNUSED RANGE

The functions are activated passing through the "unused range" and staying 5 seconds in necessary level. Last selected function still active. Enable setting a new function.

• (20) ZOOM

K10 CC
K20 CC

BIT EFFECT
255 – 255<br>WIDE BEAM
128 – 127<br>WIDE BEAM
77 – 76<br>WIDE BEAM
25 – 23<br>WIDE BEAM
0 – 11<br>NARROW BEAM

The functions are activated passing through the "unused range" and staying 5 seconds in necessary level. Last selected function still active. Enable setting a new function.