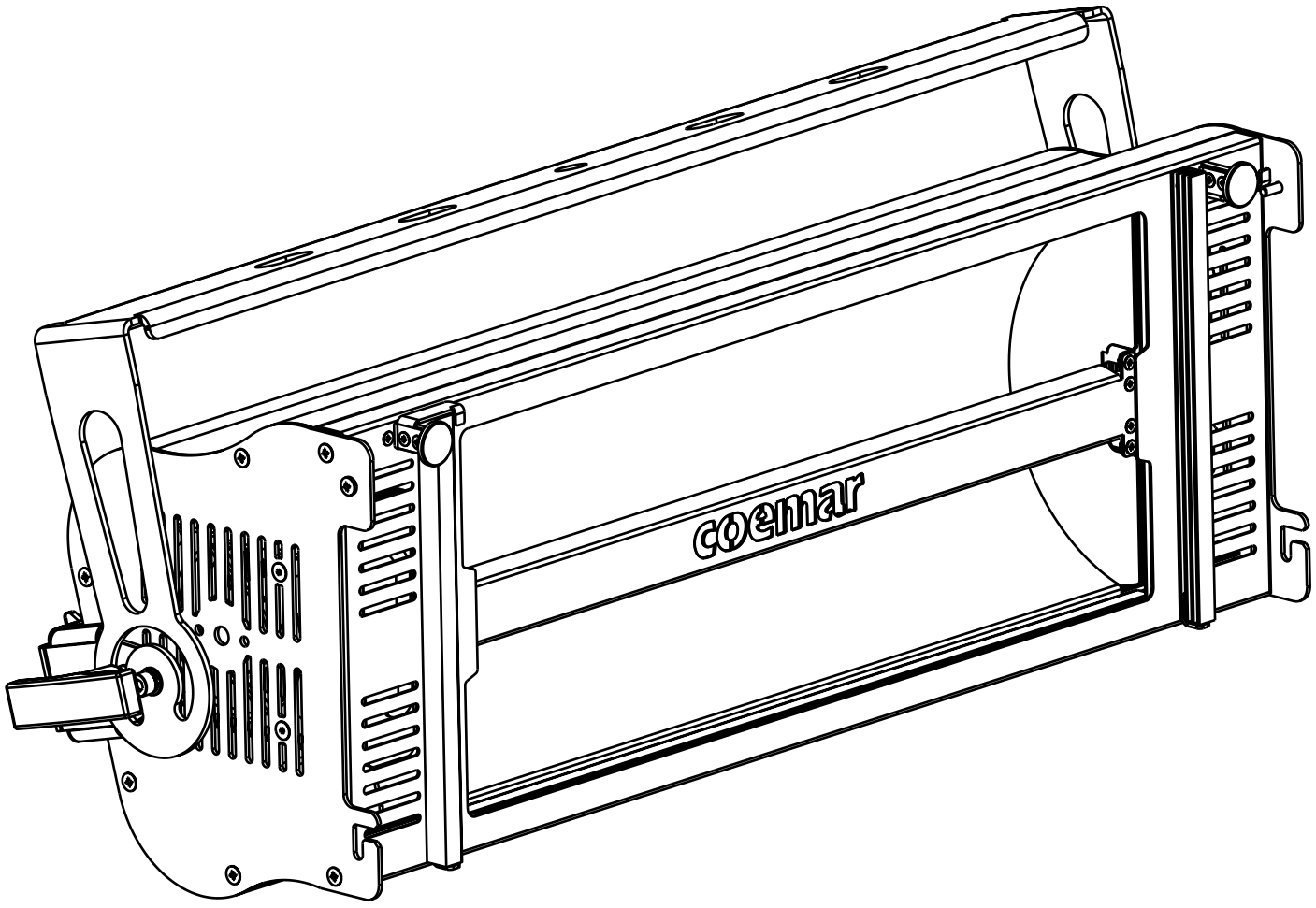
SoftLite LED RGBW MK2



USER MANUAL
PREVIEW
vrs. 1.0 - 12.10.2023

coemar

Congratulations on having purchased a Coemar product. You have assured yourself of a fixture of the highest quality, both in componentry and in the technology used. We renew our invitation to you to complete the service information on the previous page, to expedite any request for service information or spares (in case of problems encountered either during, or subsequent to, installation). This information will assist in providing prompt and accurate advice from your Coemar service centre. Following the instructions and procedures outlined in this manual will ensure the maximum efficiency of this product for years to come.

1. Packaging and transportation

1.1 Packaging

Open the packaging and make sure that no part of the equipment has suffered any damage during the transportation. In case of damage to the fixture, contact your currier and your supplier immediately by telephone, fax or e-mail, and inform them you will formally notify them in writing through registered letter.

Packing list

Ensure the packaging contains:

1 SoftLite LED RGBW MK2

1 1.5 m power cable with PowerCON TRUE1 Top and bare ends

1 Instruction manual

1.2 Transportation

The **SoftLite LED RGBW MK2** should be transported in either its original packaging or in an appropriate flight case.

2. General information

2.1 Safety informations

Fire prevention:

1. Never locate the fixture on any flammable surface.
2. Minimum distance from flammable materials: 0,5 m.
3. Minimum distance from the closet illuminable surface: 0,5 m.
4. Connect the projector to mains power protected by a thermal magnetic circuit breaker.

Prevention from electric shock:

1. Presence of high voltage inside of the fixture. Insulate the projector from mains supply before opening or performing any function which involves touching the inside of the fixture, including LED replacement.
2. For the connection to the mains, adhere strictly to the guidelines outlined in this manual.

3. The level of technology of **SoftLite LED RGBW MK2** requires the use of specialised personnel for all service applications; refer all work to your authorised **Coemar** service centre.
4. A good earth connection is essential for the proper functioning of the projector. Never connect the fixture if there is no earth connection.
5. Mains cables must not come into contact with other cables.
6. Do not operate the projector with wet hands or in an area where water is present.
7. The fixture must never be located in an exposed position, or in areas of extreme humidity.

Safety:

1. The projector must always be installed with bolts, clamps, or other fixing devices which are suitably rated to support the weight of the projector.
2. Always use a secondary safety fixing device with chain or steel wire of a suitable rating to sustain the weight of the unit in case of failure of the principal fixing point.
3. The external surfaces of the unit, at various points, may reach 60°C. Never handle the unit until at least 10 minutes have elapsed since the LED was turned off.
4. Never install the fixture in an enclosed area lacking sufficient air flow; the ambient temperature must not exceed 40°C.
5. The projector contains electronic and electrical components which must under no circumstances be in contact with water, oil or any other liquid. Failure to do so will compromise the proper functioning of the projector.

2.2 Warranty conditions

1. The fixture is under warranty for 24 months from the purchase date against factory defections.
2. Damage ought to unskillfulness, inappropriate use, or lack of suggested maintenance are excluded from the warranty.
3. Warranty expires when the projector is opened by unauthorized personnel.
4. Warranty doesn't include the replacement of the fixture.
5. Serial number and model of the fixture are necessary to retrieve informations and assistance from the dealer.

2.3 EC Norms

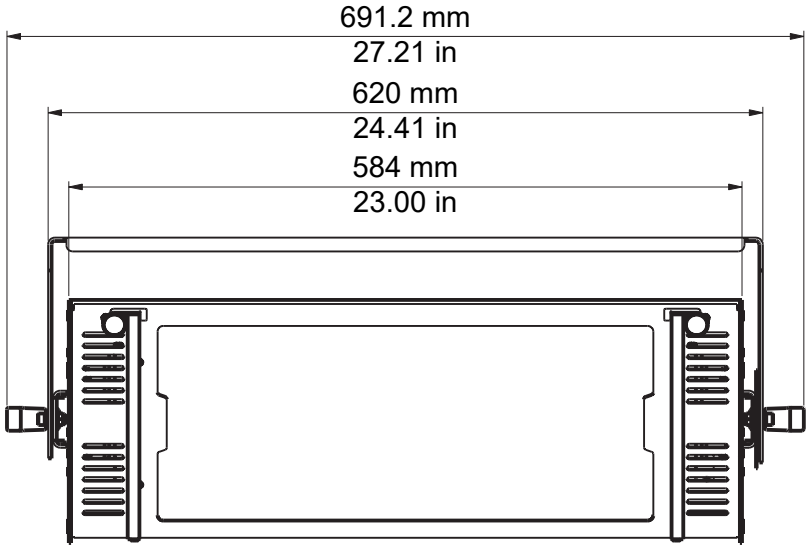
1. The fixture satisfies the essential requirements of the directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2002/96/EC & 2003/108/EC.
2. The fixture is in accordance with the standard EN 50419 (RoHS) and satisfies the requirements of the directive 2002/96/EC (WEEE).

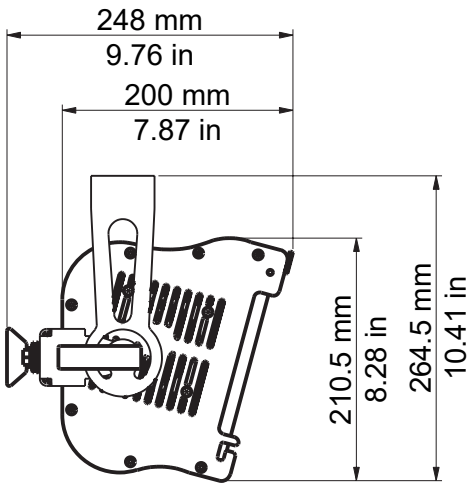
3. Product specifications

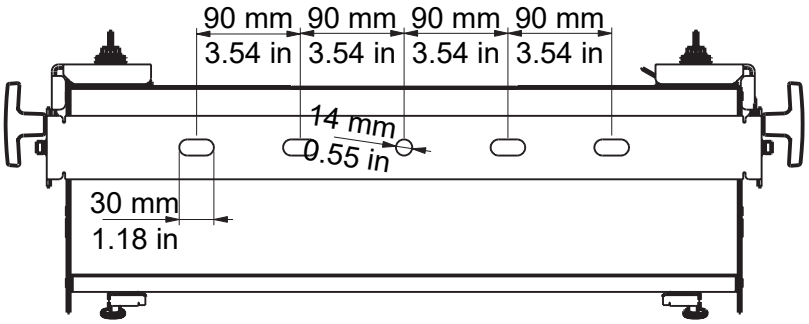
3.1 Technical charateristics

Power supply	90-264 V, auto-sensing, 50/60 Hz
Maximum current	1.55 A at 230 V, 3.09 A at 115 V
Power factor	Cosφ = 0.9
Power consumption	320 W
Color temperature	RGBW, with pure color mixing throughout the field and all whites from 2.700 to 10.000 K
CRI	>90
Weight	10.5 Kg / 23.14 lbs
Minimum ambient temperature	-20°C / -4°F
Maximum ambient temperature	+35°C / +95°F
IP rating	20

3.2 Dimensions

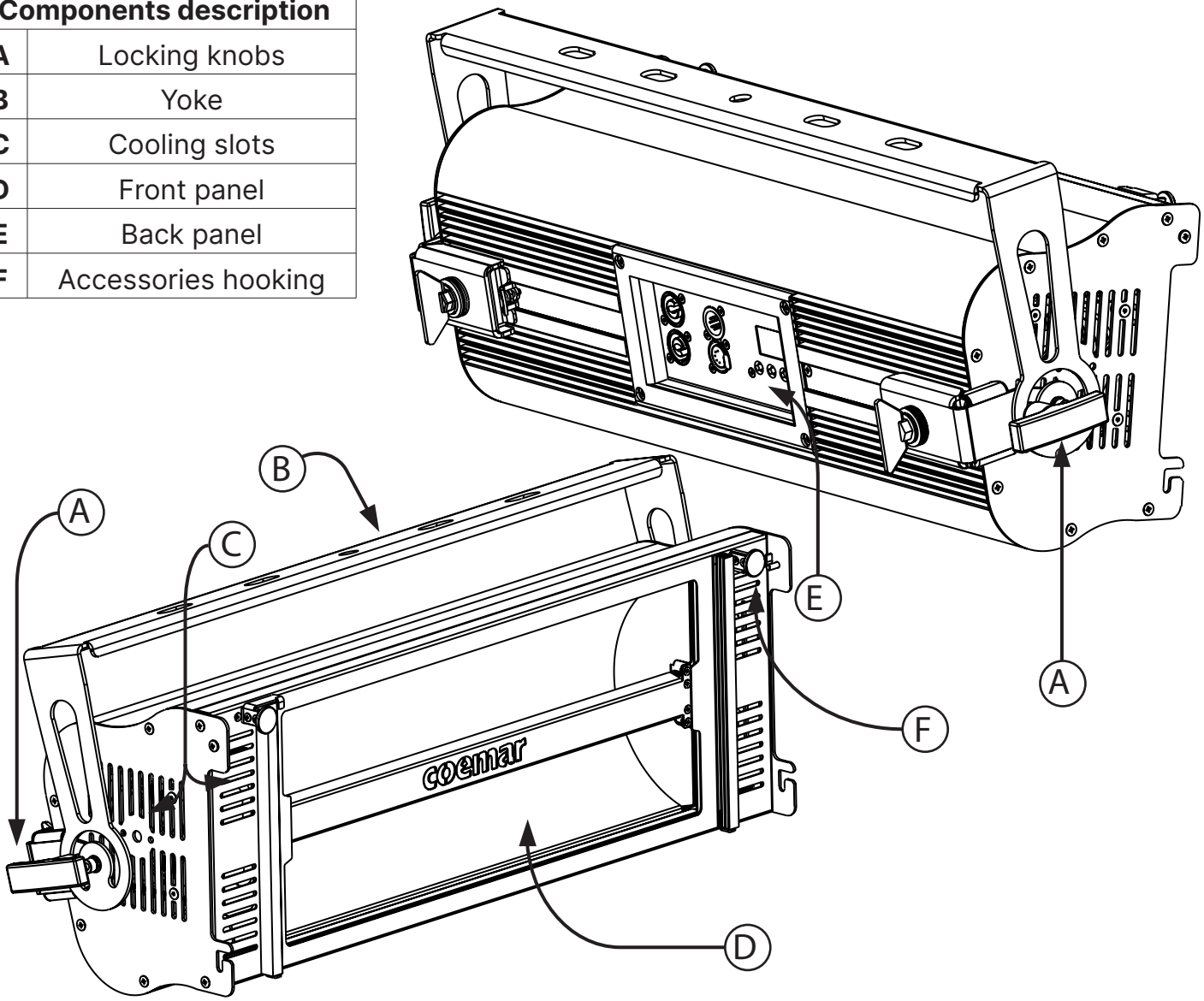




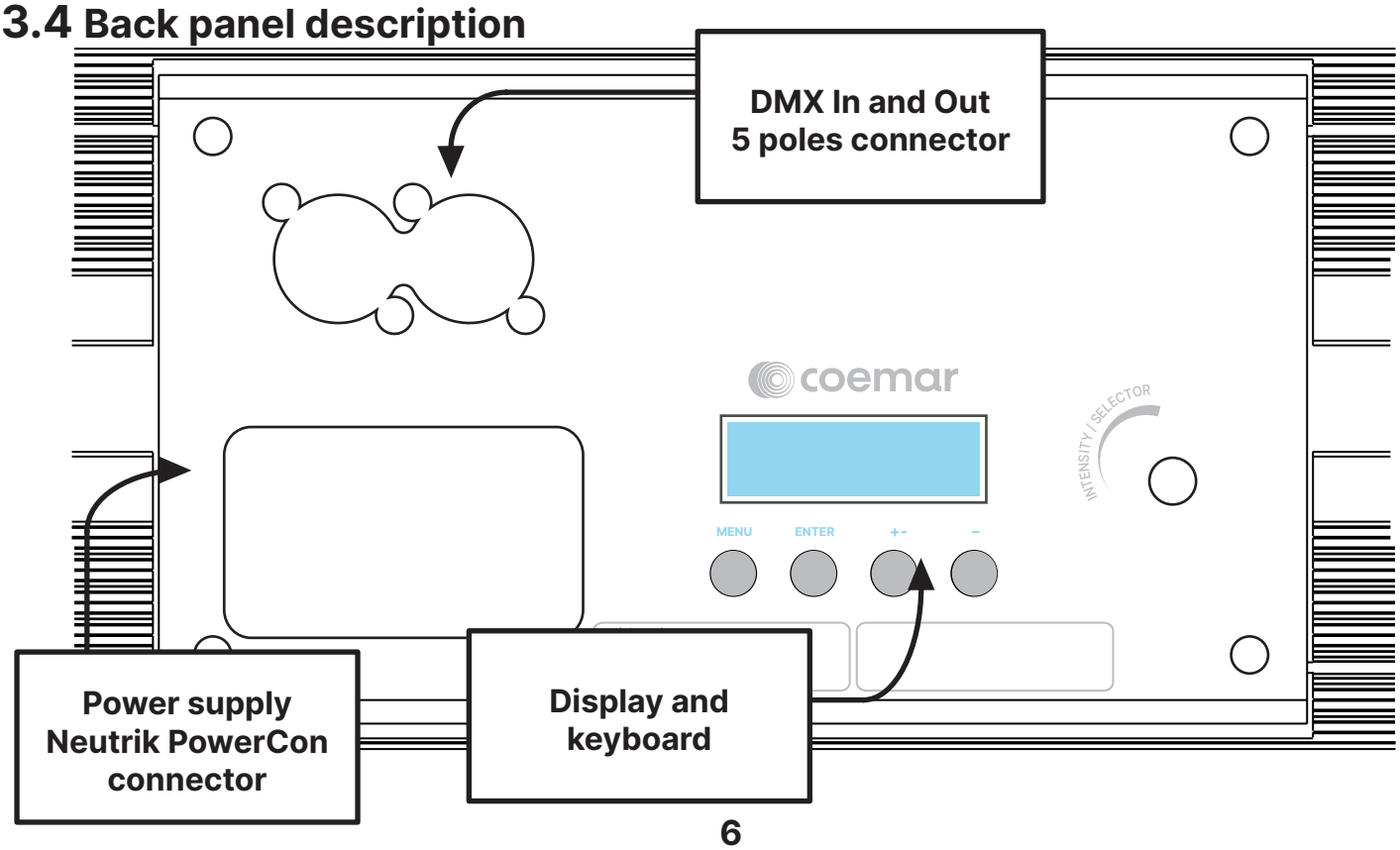


3.3 Unit's main components

Components description	
A	Locking knobs
B	Yoke
C	Cooling slots
D	Front panel
E	Back panel
F	Accessories hooking



3.4 Back panel description

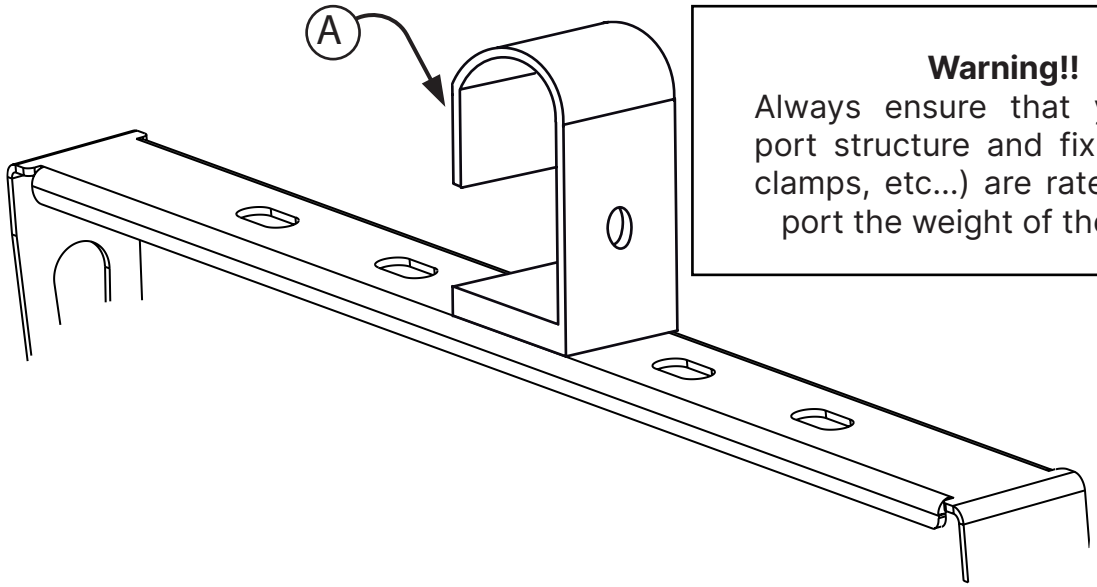


4. Installation

4.1 Mechanical installation

SoftLite LED RGBW MK2 may be hung from an appropriate structure in any position or on tripod.

If hanging the fixture from a lighting truss or similar, we recommend the use of an appropriate clamp "A", as shown in the following diagram.

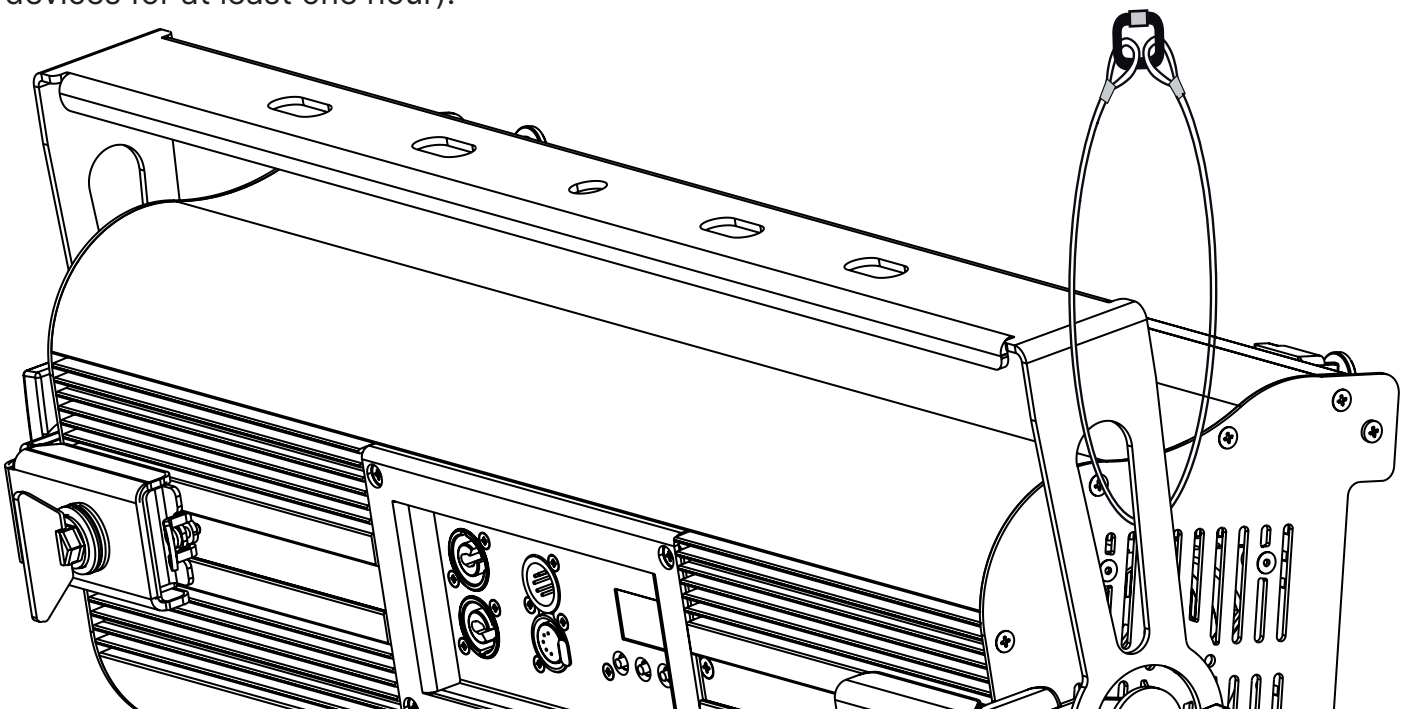


Warning!!
Always ensure that your support structure and fixing (bolts, clamps, etc...) are rated to support the weight of the fixture.

4.2 Safety chain

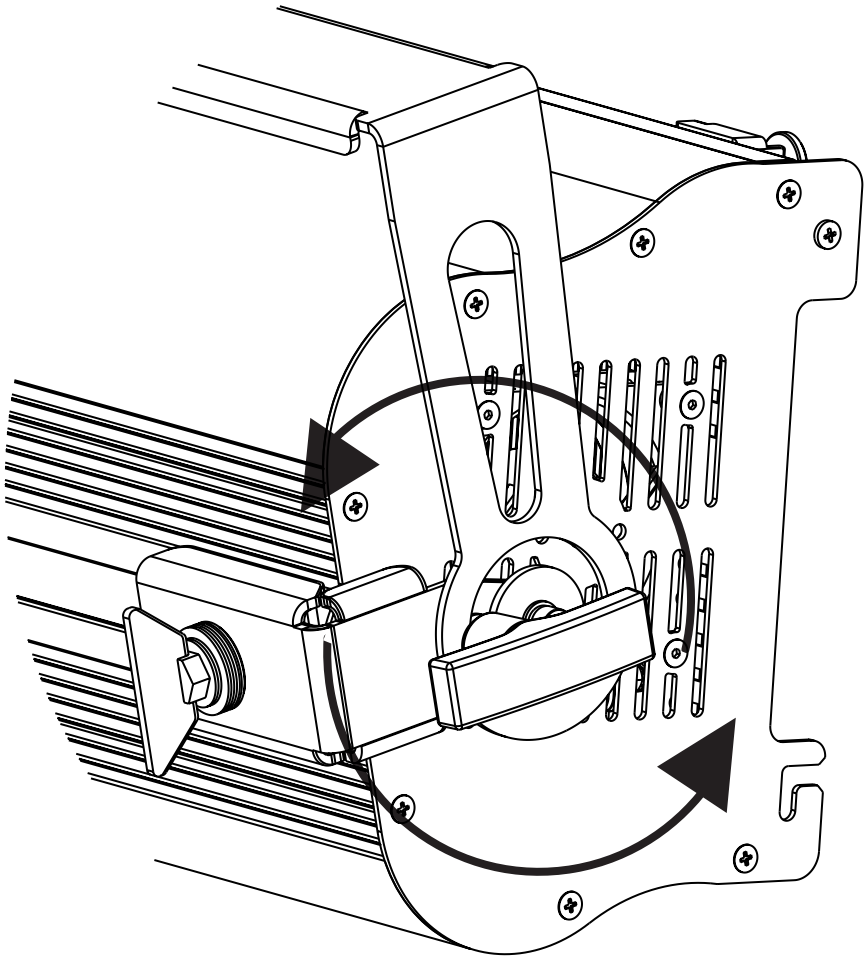
When hanging **SoftLite LED RGBW MK2** it is recommended to use a safety chain, as required by current legislation. The safety chain must pass through the handles of the unit and then attached to the structure.

If using steel cables and chains not **Coemar**'s production, make sure they are suitable to support the weight of the unit according to normative UL/ETL (required: the weight of 6 complete devices for at least one hour).



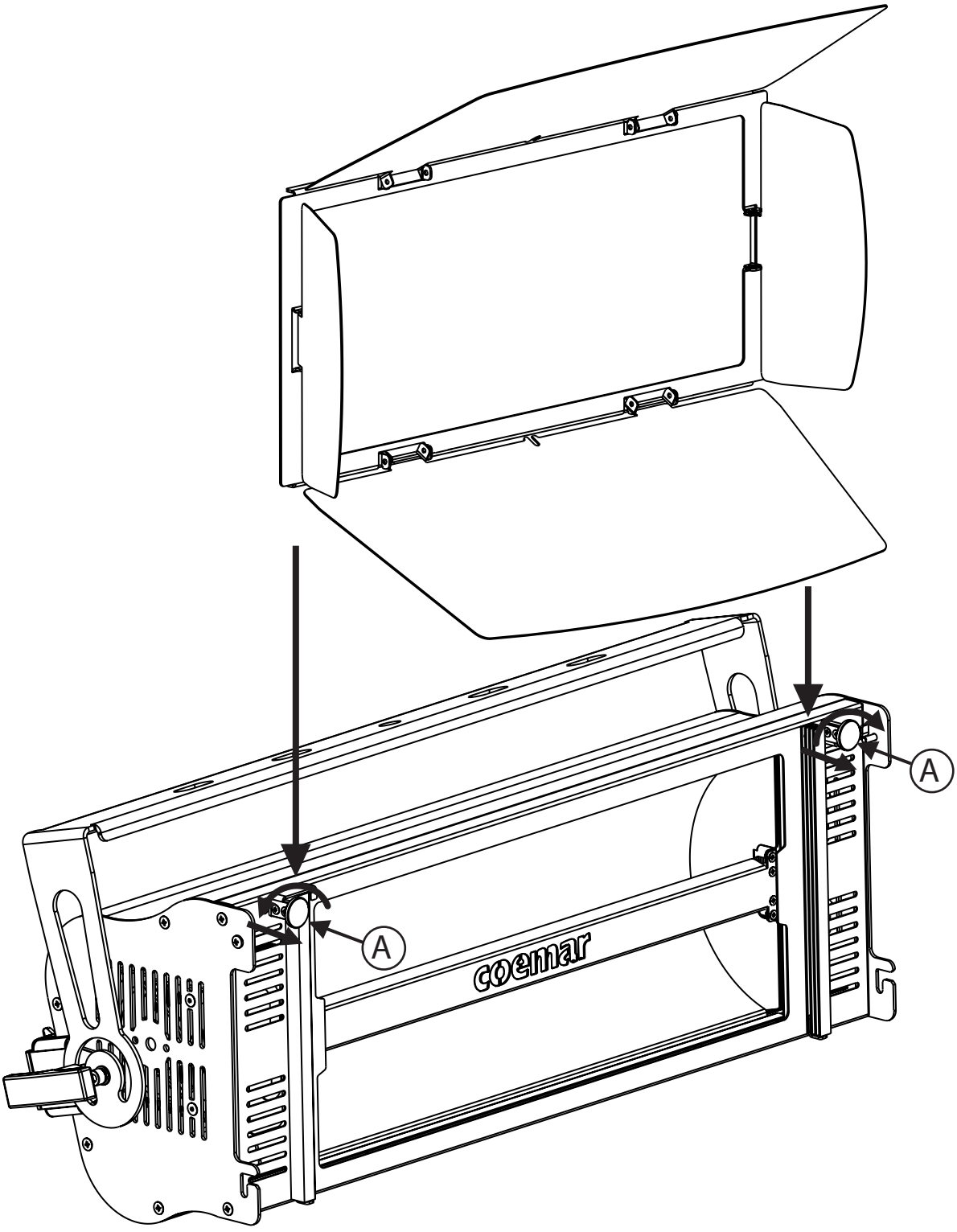
4.3 Adjusting unit's tilt

In order to adjust the tilt of the unit simply loose the side handle, adjust the tilt and lock the yoke by tightening the handle again.



4.4 Mounting the accessories

To mount an accessory you have to loose the small knob “A”, insert the accessory that you need and close the knob.



5. Powering up

5.1 Operating voltage and frequency

The unit may operates at voltages ranges from 90 to 264 V at a frequency of 50 or 60 Hz. It is not needed to effect any setup procedures: **SoftLite LED RGBW MK2** will automatically adjust its operation to suit any frequency or voltage within this range.

5.2 Connection to mains power

Mains cable characteristics

The mains cable provided is thermally resistant, complying to the most recent International standards.

Note: in case of cable replacement, similar cable with comparable thermal resistant qualities must be used exclusively (cable 3 X 1,5 ø external 10 mm, rated 300/500V, tested to 2 KV, operating temperature -40°C + 180°C, **Coemar** cod. CV5311).

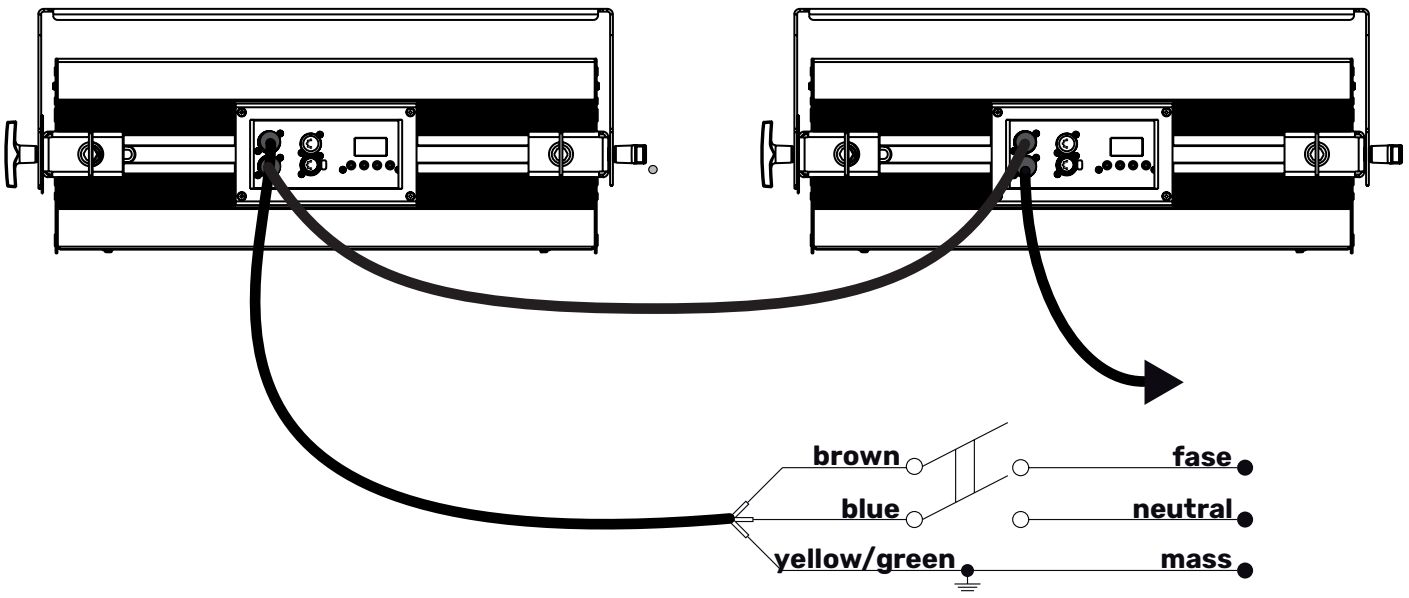
Connection to mains power

SoftLite LED RGBW MK2 is equipped with two power connectors, one as input and one as output, which can be used to feed up to 10 (at 230 V) or 5 (at 115 V) fixtures.

The max absorption of **SoftLite LED RGBW MK2** is reported in the following table:

5.3 Supply cable characteristics

The supply cable complies to the most recent safety norms.



Warning!!

The use of a thermal/magnetic circuit breaker is recommended. Strict adherence to regulatory norms is strongly recommended.

SoftLite LED RGBW MK2 should not be powered through a dimmer as this may damage the internal switching power supply.

Prior to connecting the device to mains power, ensure that the mains characteristics are within the recommended range for the use of **SoftLite LED RGBW MK2**.

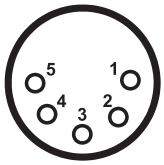
All cabling and connections should be carried out by a suitably qualified personnel.

6. Control signal connections

6.1 Control signal connection by XLR5 plugs

The digital control signal is transmitted to the projector via two pole cable screened according to the International standards for the transmission of DMX 512 data. The connection must be serial, using connectors XLR5 male and female located on the back of **SoftLite LED RGBW MK2** labeled DMX512 IN e OUT (see diagram).

Connectors equipped on **SoftLite LED RGBW MK2** are IP rated, which ensures protection against water and dust. In order to keep this rating they must be connected exclusively to other IP rated connectors.

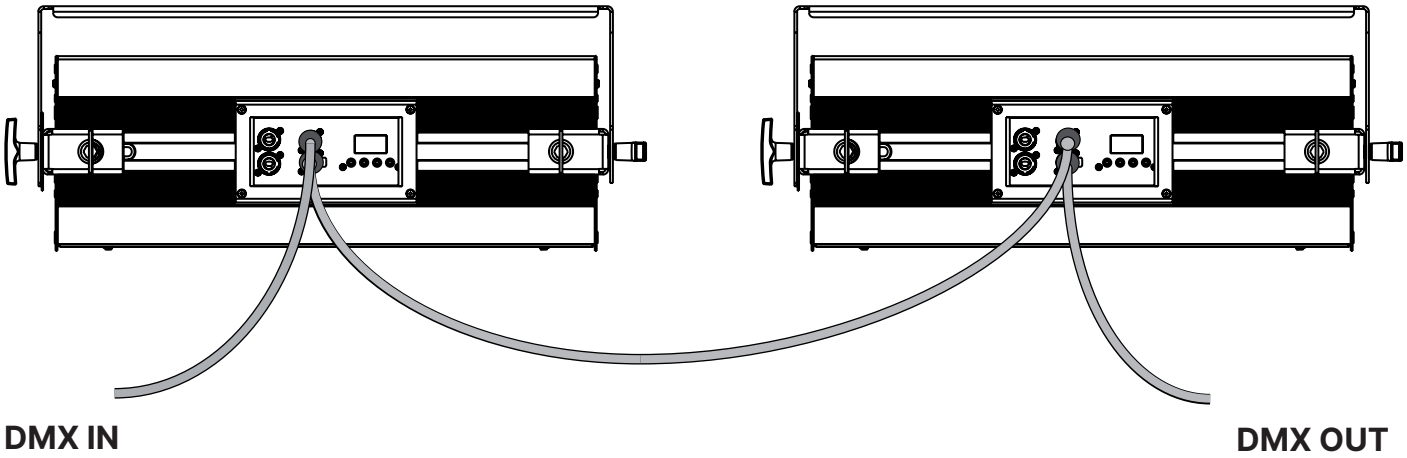


Pin 1 = Ground (GND)
Pin 2 = Data -
Pin 3 = Data +
Pin 4 = Not connected
Pin 5 = Not connected

Warning!

Make sure that screening and conductors are not in contact one another or with the metal housing of the connector.

Pin#1 and housing must never be connected to the power supply unit.



7. Turning the projector on

After having followed the preceding steps described, proceed with the power supply and turn on the projector connecting it to the mains power.
The software version installed on the internal microprocessors will be shown on the display, suddenly it will show the current DMX addressing. If the address blinks, it means that the DMX signal has not been received. Check the connection cable and the mixer functioning.

7.1 DMX address of the unit

Each projector can use 14, 8, 4, 1 or 7 address channels for its complete operation and is controlled by a DMX 512 signal.

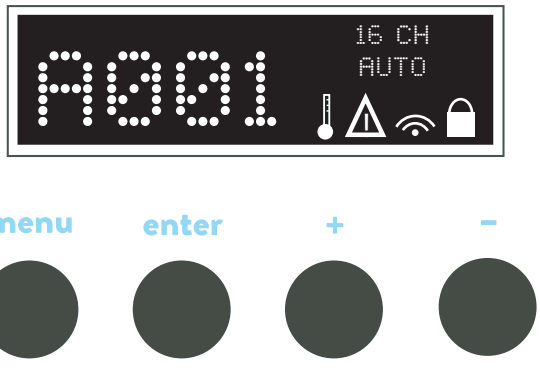
DMX addressing

When powered up initially, each projector will show A001, which indicates DMX address 001; for example, when set at 14 channels a projector thus addressed will respond to commands of channel 1 to 14 from your DMX 512 controller . A second unit must be addressed as A015, a third one as A029 and so on. The operation must be carried out on every **SoftLite LED RGBW MK2** which has an address different from A001.

Altering the DMX address:

1. Press the + or – button until the display shows the required DMX address. The digits on the display will blink to indicate that the variation has not been registered.
2. Press the enter key to confirm your selection. The digits on the display panel will cease to blink and the projector will now respond to the new address.

Note: by holding the + or – button down the scrolling will be faster; thus allowing a faster selection



It means the projector has entered protection

It means there is an error, it flashes intermittently with address

Wireless Enabled

The keys are locked

Warning!!
If you alter the DMX address with no DMX signal connected, the digits on the display panel will continue to flash even after you have pressed ENTER button to confirm the address.

8. DMX chart

8.1 DMX modes

DMX channels ↓	**14 channels**	**8 channels**	**7 channel**	**4 channel**	**1 channel**
1	Master Dimmer	Master Dimmer	Master Dimmer	Red	Master Dimmer
2	Red	Red	White Tone	Green	
3	Green	Green	Green Saturation	Blue	
4	Blue	Blue	Saturation	White	
5	White	White	Hue		
6	Strobe Effect	Strobe Effect	Dimmer Fine		
7	Dimmer Fine	Dimmer Fine	Special Function		
8	Special Function	Special Function			
9	Red Tone				
10	Green Tone				
11	Blue Tone				
12	White Tone				
13	Green Saturation				
14	Saturation				

8.2 DMX Chart 14, 8, 4, 1 channels

channel				function	type of control	effect	decimal			percentage		
14	8	4	1									
1	1	-	1	master dimmer	proportional	adjust luminous output intensity from 0% to 100%	0	-	255	0%	-	100%
2	2	1	-	red	proportional	proportional control of the color percentage from 0 to 100%	0	-	255	0%	-	100%
3	3	2	-	green	proportional	proportional control of the color percentage from 0 to 100%	0	-	255	0%	-	100%
4	4	3	-	blue	proportional	proportional control of the color percentage from 0 to 100%	0	-	255	0%	-	100%
5	5	4	-	white	proportional	proportional control of the color percentage from o to 100%	0	-	255	0%	-	100%
6	6	-	-	strobe effect	step	no effect	0	-	9	0%	-	100%
					proportional	variable speed strobing effect, from slow to fast	10	-	57	4%	-	22%
					step	stop strobe	58	-	59	23%	-	23%
					proportional	sequenced pulsed strobing effect, slow closing, fast opening (variable speed pulsing, from slow to fast)	60	-	108	24%	-	42%
					step	stop strobe	109	-	110	43%	-	43%
					proportional	sequenced pulsed strobe, fast closing, slow opening (variable speed pulsing, from slow to fast)	111	-	159	44%	-	62%
					step	stop strobe	160	-	161	63%	-	63%
					proportional	strobe effect with random flashes and synchronous colors (variable speed from slow to fast)	162	-	207	64%	-	81%
					step	stop strobe	208	-	209	82%	-	82%
					proportional	strobe effect with random flashes and synchronous colors (variable speed from slow to fast)	210	-	255	82%	-	100%
7	7	-	-	dimmer fine	proportional	fine dimmer control 16 bit	0	-	255	0%	-	100%
8	8	-	-	special function	step	park	0	-	9	0%	-	4%
						no effect	10	-	84	4%	-	33%
						fan at SILENT mode	85	-	96	33%	-	38%
						fan at STUDIO mode	97	-	108	38%	-	42%
						fan at AUTO mode	109	-	120	43%	-	47%
					proportional	fan speed control	121	-	133	47%	-	52%
					step	enables the automatic display blackout	134	-	185	53%	-	73%
						disables the automatic display blackout	186	-	199	73%	-	78%
						no effect	200	-	255	78%	-	100%

9	-	-	-	red tone	step	no effect	0	-	9	0%	-	4%
						RED Preset 1	10	-	71	4%	-	28%
						RED Preset 2	72	-	133	28%	-	52%
						RED Preset 3	134	-	195	53%	-	76%
						RED Preset 4	196	-	255	77%	-	100%
10	-	-	-	green tone	step	no effect	0	-	9	0%	-	4%
						GREEN Preset 1	10	-	71	4%	-	28%
						GREEN Preset 2	72	-	133	28%	-	52%
						GREEN Preset 3	134	-	196	53%	-	76%
						GREEN Preset 4	196	-	255	77%	-	100%
11	-	-	-	blue tone	step	no effect	0	-	255	0%	-	4%
						BLUE Preset 1	10	-	71	4%	-	28%
						BLUE Preset 2	72	-	133	28%	-	52%
						BLUE Preset 3	134	-	195	53%	-	76%
						BLUE Preset 4	196	-	255	77%	-	100%
12	-	-	-	white tone	step	no effect	0	-	9	0%	-	4%
					step	White 2700 K	10	-	15	4%	-	6%
					proportional	proportional value from 2700 K to 3200 K	16	-	30	6%	-	12%
					step	White 3200 K	31	-	45	12%	-	18%
					proportional	proportional value from 3200 K to 4000 K	46	-	60	18%	-	24%
					step	White 4000 K	61	-	75	24%	-	29%
					proportional	proportional value from 4000 K to 5000 K	76	-	90	30%	-	35%
					step	White 5000 K	91	-	105	36%	-	41%
					proportional	proportional value from 5000 K to 5600 K	106	-	120	42%	-	47%
					step	White 5600 K	121	-	135	47%	-	53%
					proportional	proportional value from 5600 K to 7000 K	136	-	150	53%	-	59%
					step	White 7000 K	151	-	165	59%	-	65%
					proportional	proportional value from 7000 K to 8000 K	166	-	180	65%	-	71%
					step	White 8000 K	181	-	195	71%	-	76%
					proportional	proportional value from 8000 K to 9000 K	196	-	210	77%	-	82%
					step	White 9000 K	211	-	225	83%	-	88%
					proportional	proportional value from 9000 K to 10000 K	226	-	240	89%	-	94%
					step	White 10000K	241	-	255	95%	-	100%
13	-	-	-	green saturation	step	no effect	0			0%		
					proportional	exalts the green color in the mixing and diminishes the presence of magenta	1	-	127	0%	-	50%
					step	no effect	128			50%		
					proportional	diminishes the presence of green in the mixing and exalts the green color	129	-	254	51%	-	99%
					step	no effect	255			100%		
14	-	-	-	saturation	proportional	the white tone fades to the tone built with the RGBW channels	0	-	255	0%	-	100%

Note 1: color macros of channels 9 - 10 - 11 - 12 can also be obtained though the mixing of channels 2 - 3 - 4 - 5.

Note 2: the one channel function mode can be selected though the DMX function menu. The color temperature is selectable by display

Note 3: the rest position of the green saturation DMX channel is 128. Diminishing the DMX value augment the presence of the green color. Increasing the DMX value augments the presence of magenta

Note 4: increasing the value of the Saturation DMX channel the white light will fade to the color selected with the RGBW DMX channel.

8.2 DMX Chart 7 channels

channel	function	type of control	effect	decimal			percentage		
1	master dimmer	proportional	adjust luminous output intensity from 0% to 100%	0	-	255	0%	-	100%
2	white tone	step	White 2700 K	0	-	15	0%	-	6%
		proportional	proportional value from 2700 K to 3200 K	16	-	30	6%	-	12%
		step	White 3200 K	31	-	45	12%	-	18%
		proportional	proportional value from 3200 K to 4000 K	46	-	60	18%	-	24%
		step	White 4000 K	61	-	75	24%	-	29%
		proportional	proportional value from 4000 K to 5000 K	76	-	90	30%	-	35%
		step	White 5000 K	91	-	105	36%	-	41%
		proportional	proportional value from 5000 K to 5600 K	106	-	120	42%	-	47%
		step	White 5600 K	121	-	135	47%	-	53%
		proportional	proportional value from 5600 K to 7000 K	136	-	150	53%	-	59%
		step	White 7000 K	151	-	165	59%	-	65%
		proportional	proportional value from 7000 K to 8000 K	166	-	180	65%	-	71%
		step	White 8000 K	181	-	195	71%	-	76%
		proportional	proportional value from 8000 K to 9000 K	196	-	210	77%	-	82%
		step	White 9000 K	211	-	225	83%	-	88%
		proportional	proportional value from 9000 K to 10000 K	226	-	240	89%	-	94%
		step	White 10000K	241	-	255	95%	-	100%
3	green saturation	step	no effect	0			0%		
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	1	-	127	0%	-	20%
		step	no effect	128			50%		
		proportional	diminishes the presence of green in the mixing and exalts the green color	129	-	254	51%	-	99%
		step	no effect	255			100%		
4	saturation	proportional	the white tone fades to the tone built with the RGBW channels	0	-	255	0%	-	100%
5	hue	proportional	reproduces the sequence arbitrary color cross-fades around the color space	0	-	255	0%	-	100%
6	dimmer fine	proportional	fine dimmer control 16 bit	0	-	255	0%	-	100%

7	special function	step	park	0	-	9	0%	-	4%
			no effect	10	-	84	4%	-	33%
			fan at SILENT mode	85	-	96	33%	-	38%
			fan at STUDIO mode	97	-	108	38%	-	42%
			fan at AUTO mode	109	-	120	43%	-	47%
		proportional	fan speed control	121	-	133	47%	-	52%
		step	enables the automatic display blackout	134	-	185	53%	-	73%
			disables the automatic display blackout	186	-	199	73%	-	78%
			no effect	200	-	255	78%	-	100%

Note 1: the rest position of the Green saturation DMX channel is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta.

Note 2: increasing the value of the Saturation DMX channel the white light will fade to the color selected with the RGBW DMX channel.

9. Setup via RDM

9.1 Quick guide to menu

The SoftLite Led RGBW MK2 required RDM (Remote Device Management) to set up fixtures. Using an RDM compliant DMX controller, you can communicate with all the fixtures on a data link without needing to connect to each fixture individually. RDM lets you set the DMX addresses of all the fixtures on the link, carry out fixture configuration and retrieve fixture data including details of any error that has been logged. If two or more identical fixtures are set up with the same DMX address and in the same DMX mode, they will receive the same instructions and behave identically. Setting up identical fixtures with the same address is a good tool for troubleshooting unexpected behavior and an easy way to achieve synchronized action. Setting DMX addresses via RDM involves running a scan to identify the fixtures that are present on the data link and then allocating addresses either automatically or manually.

To use RDM:

1. Obtain an RDM-compatible controller such as the RDM UPGRADE INTERFACE B (cod. AC10011A001) application running on a Windows PC.
2. Use a USB cable to connect the PC to a USB/DMX interface box
3. Connect the interface box to the data link.
4. Power the fixture on and carry out an RDM discovery / scan in your RDM-compatible controller.
5. You can then configure or retrieve data from the fixtures on the data link.

9.2 RDM Chart

PARAMETER	DESCRIPTION
DMX ADDRESS	Set DMX Address: (1-512)
CURVE	Set Dimming Curve: Linear, Logarithmic, Exponential, Halogen, Standard
FREQUENCY	Fixed at 20.000 Hz
LOCK PIN	Set Lock Pin
LOCK STATE	Set Screen Lock
FACTORY DEFAULT	Factory Reset
PERSONALITY	Set Personality: 14 / 8 / 7 / 4 / 1
SENSOR	Visualize Sensor
LED HOURS	Visualize Led Life Hours
DEVICE HOURS	Visualize Device Life Hours

9.3 RDM Error Chart

ERROR	DESCRIPTION	SOLUTION
MEMORY	Memory Reading Error	Perform A “Factory Reset”
HW MEMORY	Memory Hardware Error	Contact Coemar
DMX ADDR	DMX Addressing Error	The Personality Dimension Exceeds 512 Channels
NTC ERROR	Temperature Sensor Disconnected	Check Wiring NTC Led
SHORT NTC	Short-Circuited Temperature Sensor	Check Wiring NTC Led
OVER TEMP	Electronic Board Overtemperature	Ambient temperature too high, place the projector in an environment with temperature below 40°C

10. Display panel functions

10.1 Quick guide to menu

To access the menu's functions, just press the MENU button. Then press + or – buttons to scroll the pages and press the ENTER button to access to any other function.

By suitably using all the functions of **SoftLite LED RGBW MK2**, which can be activated through its display panel, it is possible to change some of the parameters and to add some functions.

Changing the preset settings made by **Coemar** can vary the functions of the projector so that it will respond differently to the controller; therefore carefully read about the functions described here before carrying out any possible selection.

10.2 Rapid count

Through the display panel of **SoftLite LED RGBW MK2** it is possible to quickly change the various numbers displayed for the different functions in the following 3 manners:

1. Pressing the **+** or **–** buttons will cause the count to be quicker.
2. Pressing first **+** and then **–** and then holding them down simultaneously will cause the numbers to jump to the highest value.
3. Pressing first **–** and then **+** and then holding them down simultaneously will cause the number to jump to the lowest value.

10.3 On-board selector

In order to change quickly the CCT, the colors and many other settings, you can use the "**Intensity / Selector Knob**"; for example to change the CCT push the "**Intensity / Selector Knob**" you will see the CCT displayed and scroll to the CCT desired, push the "**Intensity / Selector Knob**" and a new screen will appear on the display where you can chose the CCT from 2.700 K to 10.000 K, once decided push again the "**Intensity / Selector Knob**", now you can chose the light intensity from 255 to 0, by pushing another time the "**Intensity / Selector Knob**".

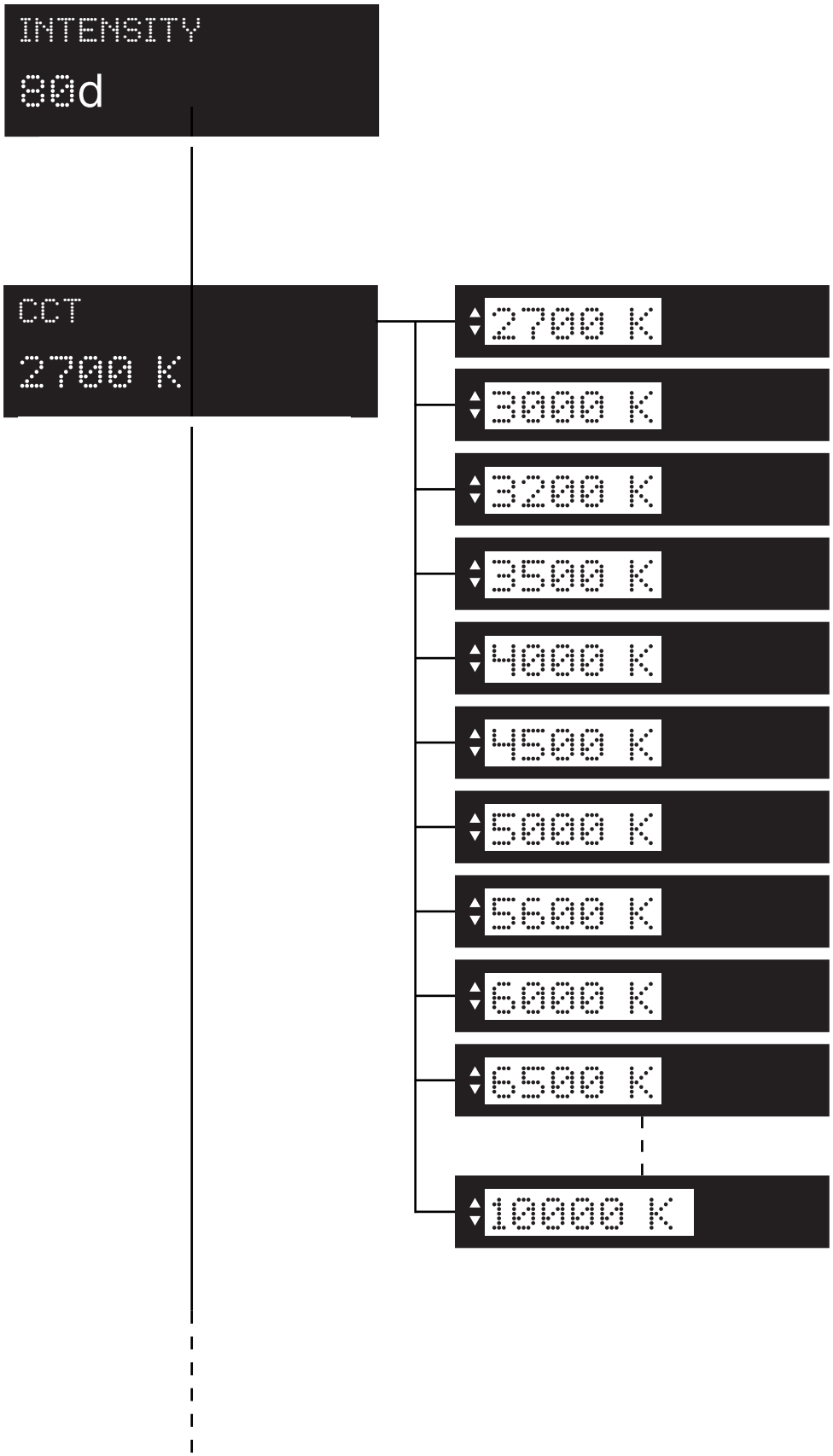
QUICK START MODE: If you push the "**Intensity / Selector Knob**" when it is displayed the DMX address, it will open the fast menu. In this case you can choose the CCT, once selected push again the "**Intensity / Selector Knob**" and than choose the light intensity from 0 to 255.

This will be the first screen that will appear on the display once the projector is turned on. To change the DMX address press the "+" button and chose the DMX address desired.

N.B. If the projector is not connected to the DMX signal, A001 will blink intermittently

10.4 Main functions menu

By pressing the "**MENU**" button you can enter the **SoftLite Led RGBW MK2** 's main menu.
N.B. Instead of use the "+", "-" or "ENTER" buttons it is possible to use the **DIMMER knob** by rotating it. Rotate the **DIMMER knob** in clockwise sense to replicate the "+" button, in counterclockwise sense to replicate the "-" button or push it to replicate the "**ENTER**" button.

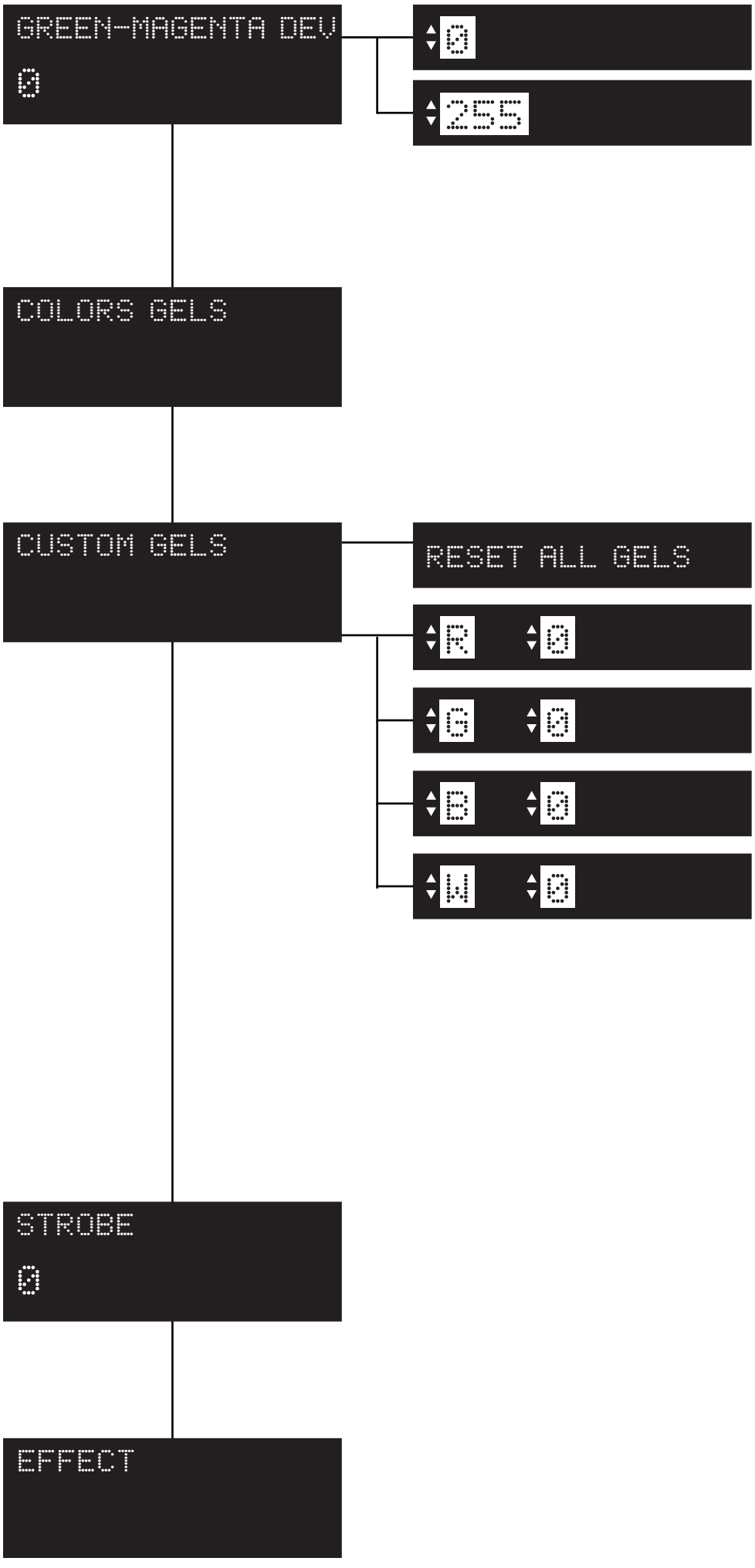


INTENSITY:

Allows to adjust the luminous output intensity from 0 to 255 (d: decimal units).

CCT:

This channel offers a preset library of various white CCT with a range that goes from 2.700 K and up to 10.000 K, manually selectable without the need of a DMX console.



GREEN-MAGENTA DEV:

Allows to adjust the luminous output intensity from 0 to 255 (d: decimal units).

COLOR GELS:

All the gels presets will appear under this menu.

CUSTOM GELS:

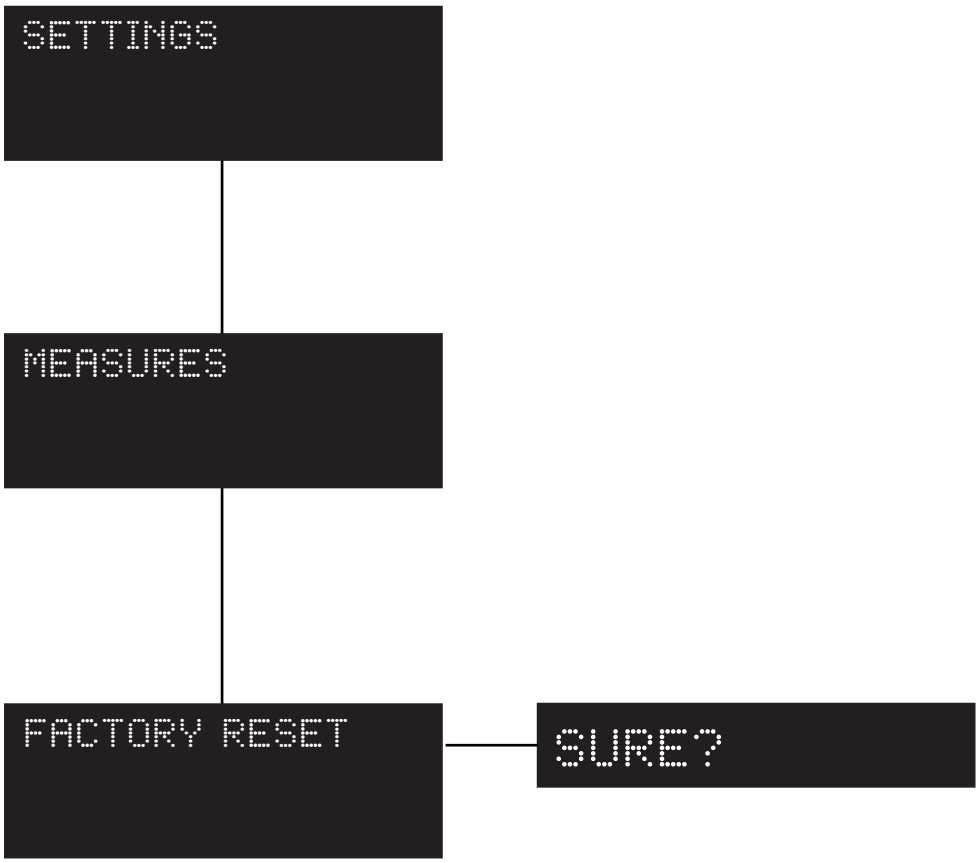
This settings allows you to create your own custom gel by mixing the six color at your will. Every color is adjustable from 0 to 255.

STROBE:

Manually sets the strobe DMX channel.

EFFECTS:

Effects settings (section **EFFECTS**).

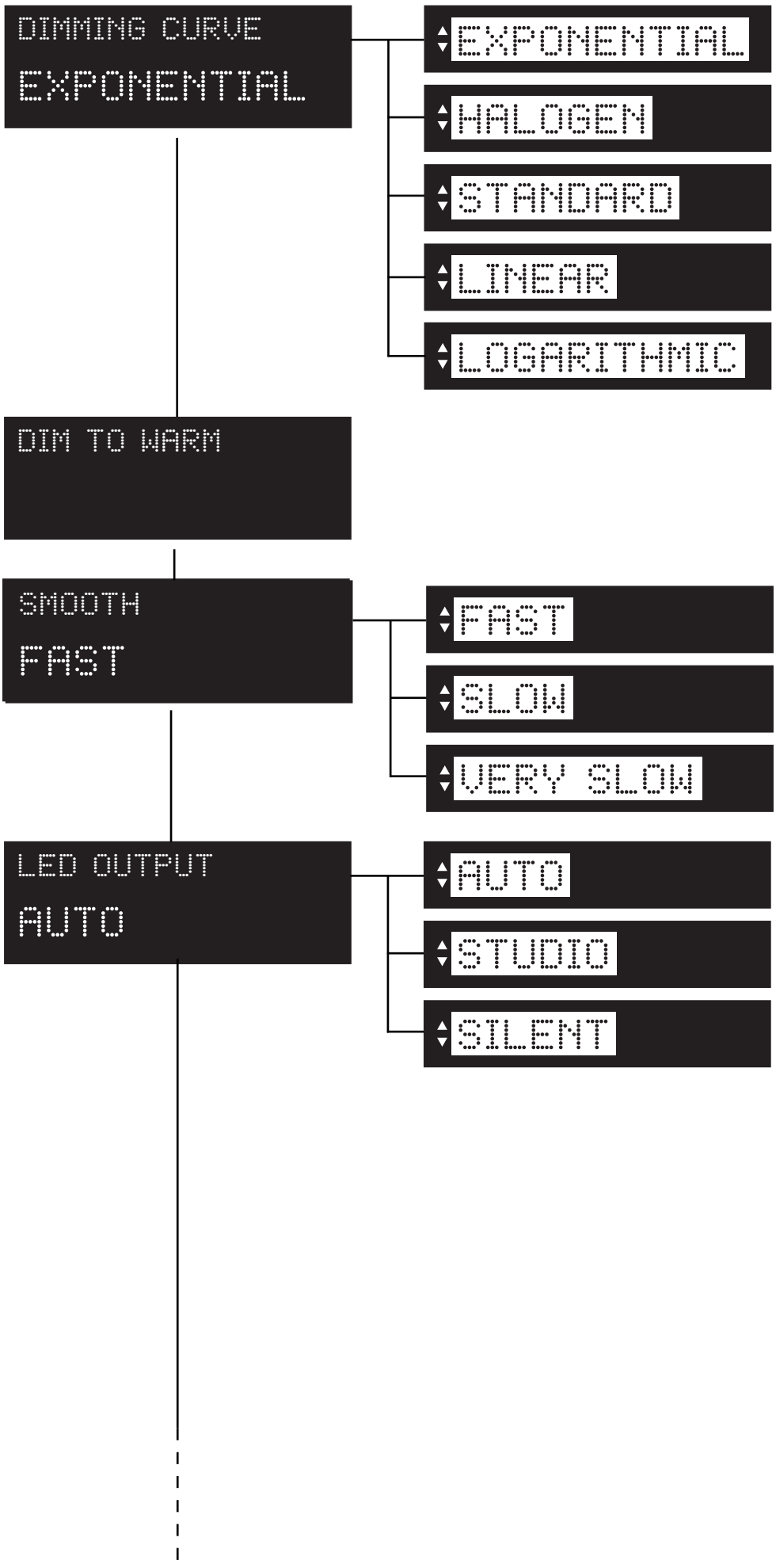


SETTINGS:
Manually sets various settings of the projector (section **SETTINGS**).

MEASURES:
Check all the measures and product status (section **MEASURES**).

FACTORY RESET:
Allows to return to the factory settings:
Light Intensity: 80
DMX Channels: 16
Fan: Auto mode.

10.5 Settings

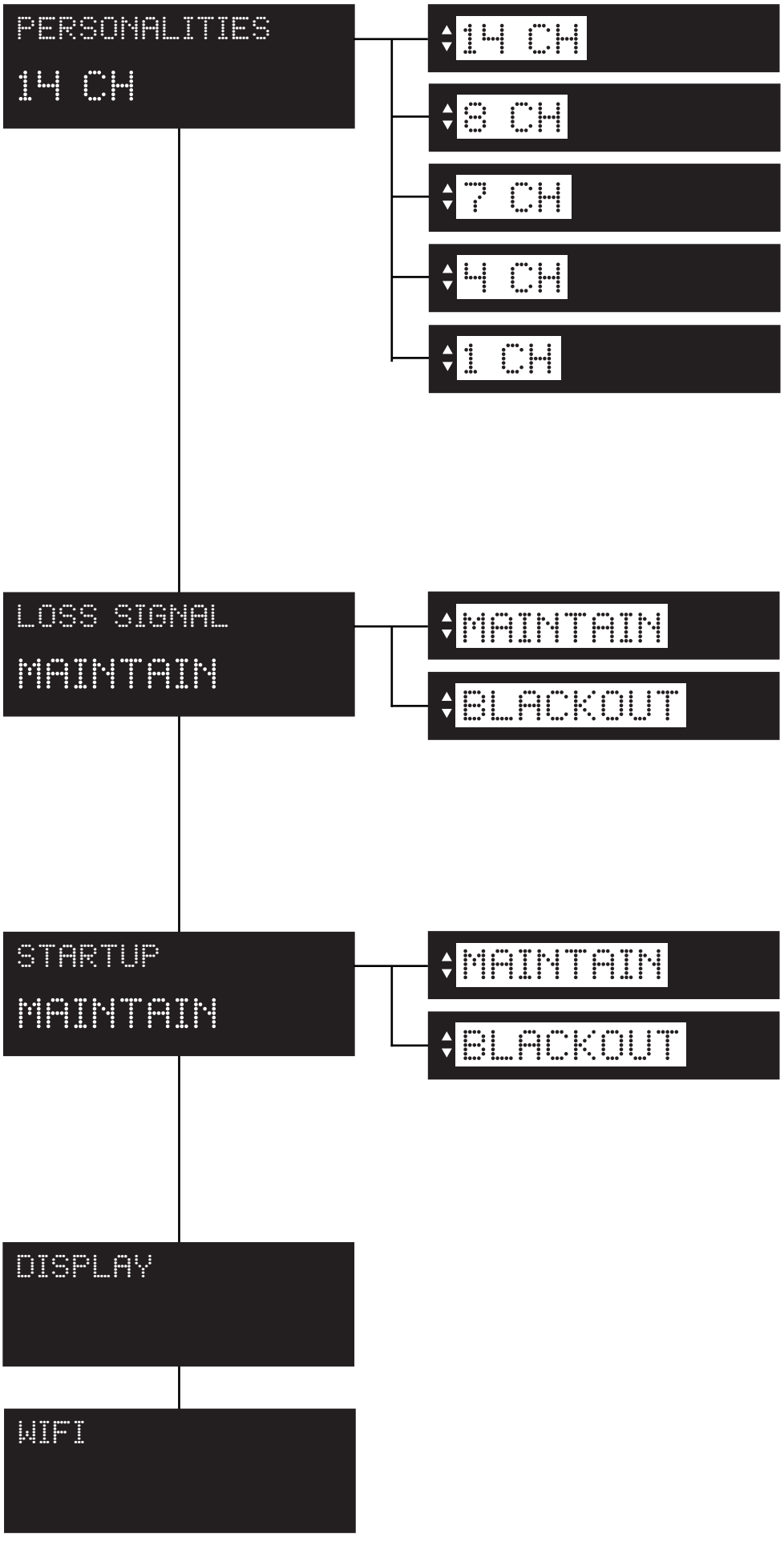


DIMMING CURVE:
It allows the selection of different dimmer curves: exponential (default), halogen, standard, linear and logarithmic.

DIM TO WARM:
Inserts a softening of the dimmer dynamics and red shift. It works for all the CCTs.

SMOOTH:
Allows to change the speed of every dimming curve between **FAST** (standard)**, SLOW, VERY SLOW**.
(Firmware version: 0.76 or following)

LED OUTPUT:
Manually sets the fan mode.
AUTO (default): Fan with automatic operating speed to guarantee maximum light output in all conditions of use, ideal for live events, exhibitions and architectural installations.
STUDIO: Fan at automatic operation speed with limited speed to guarantee silent operation of the product (moderately limited light output, will decrease in case of overheat) ideal for broadcast or theatre applications.
SILENT: This setting will keep the speed of the fan at the minimum level (moderately limited light output, will decrease in case of overheat) ideal for environments that require maximum silence.



PERSONALITIES:
It is possible to choose between **14**, **8**, **7**, **4**, **1** modalities, in which the projector will operate.

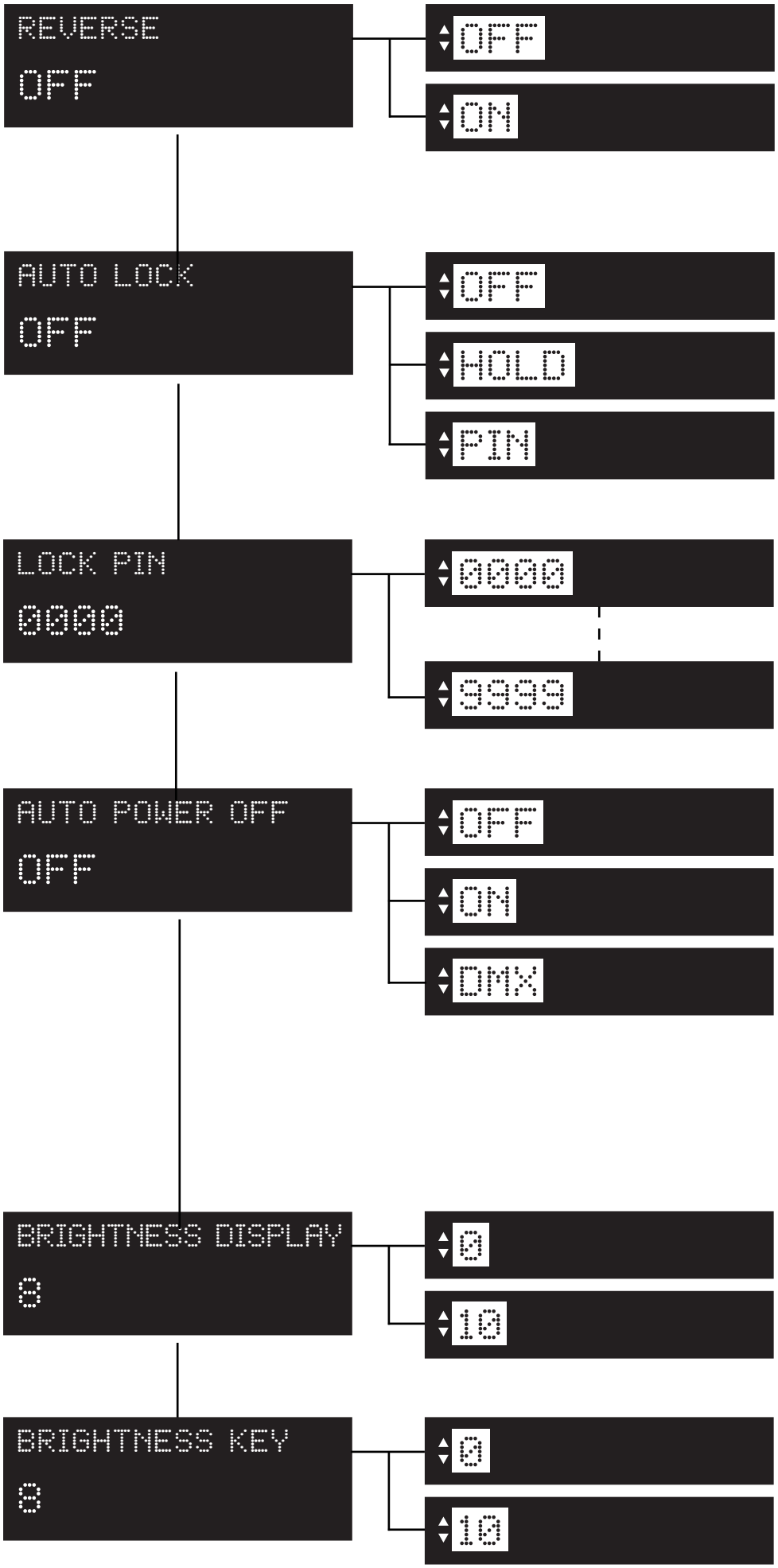
LOSS SIGNAL:
It is possible to choose between “maintain” (this function allows to keep the settings even in case of **LOSS SIGNAL**) and “blackout” (in case of **LOSS SIGNAL**, the projector will go into blackout).

STARTUP:
It is possible to choose between “maintain” (this function allows to keep the settings in case of **STARTUP**) and “blackout” (in case of **STARTUP**, the projector will go into blackout).

DISPLAY:
Display settings (section **DISPLAY**).

WIFI (OPTIONAL):
WiFi settings (section **WIFI**).

10.6 Display



REVERSE:
It allows to turn by 180° the reading of the display. When you chose "**ON**" wait the turn of the display without clicking.

AUTO LOCK:
Locks the keys.
OFF: Auto Lock function in OFF
HOLD: Press any key for 3 seconds to unlock.
PIN: Use your personal lock pin to unlock.

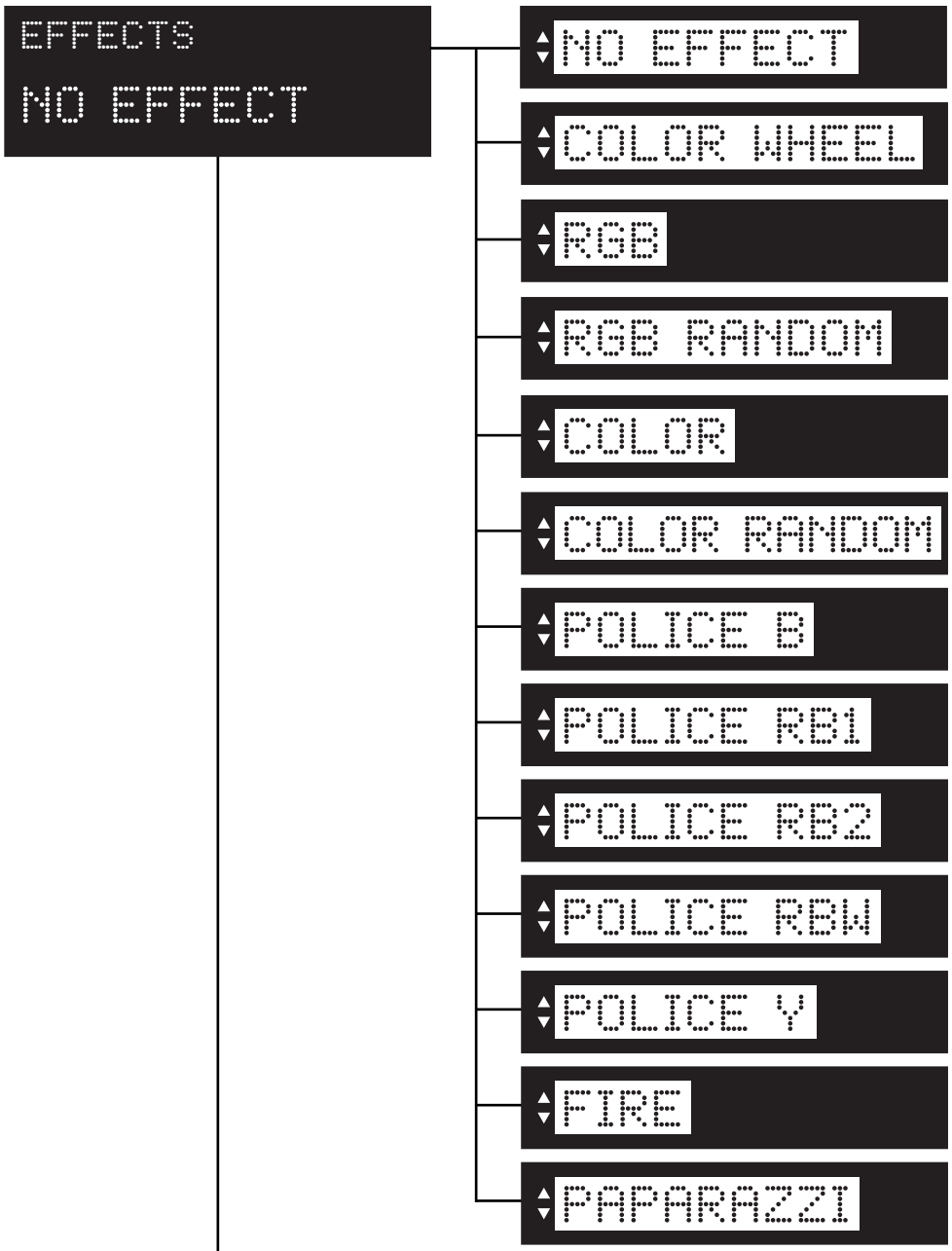
LOCK PIN:
Allows to set your personal lock pin (from 0000 to 9999).

AUTO POWER OFF:
OFF: Auto Power OFF in OFF
ON: Causes the projector display to turn off after 30 seconds of inactivity.
DMX: Causes the projector display to turn off after 30 seconds of inactivity, but the display will turn automatically ON in case of signal loss

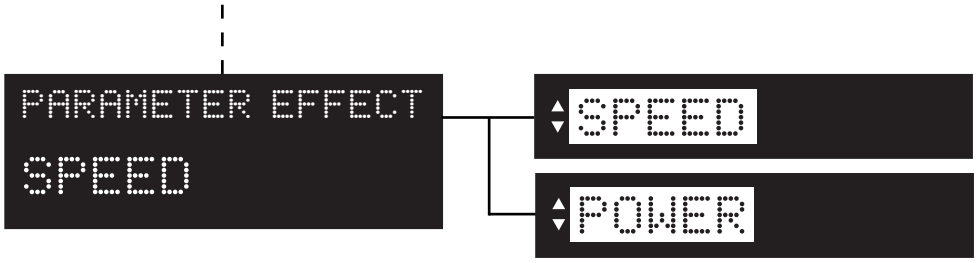
BRIGHTNESS DISPLAY:
Allows to change the brightness of the display (from 0 to 10).

BRIGHTNESS KEY:
Allows to change the brightness of the key (from 0 to 10).

10.7 Effects



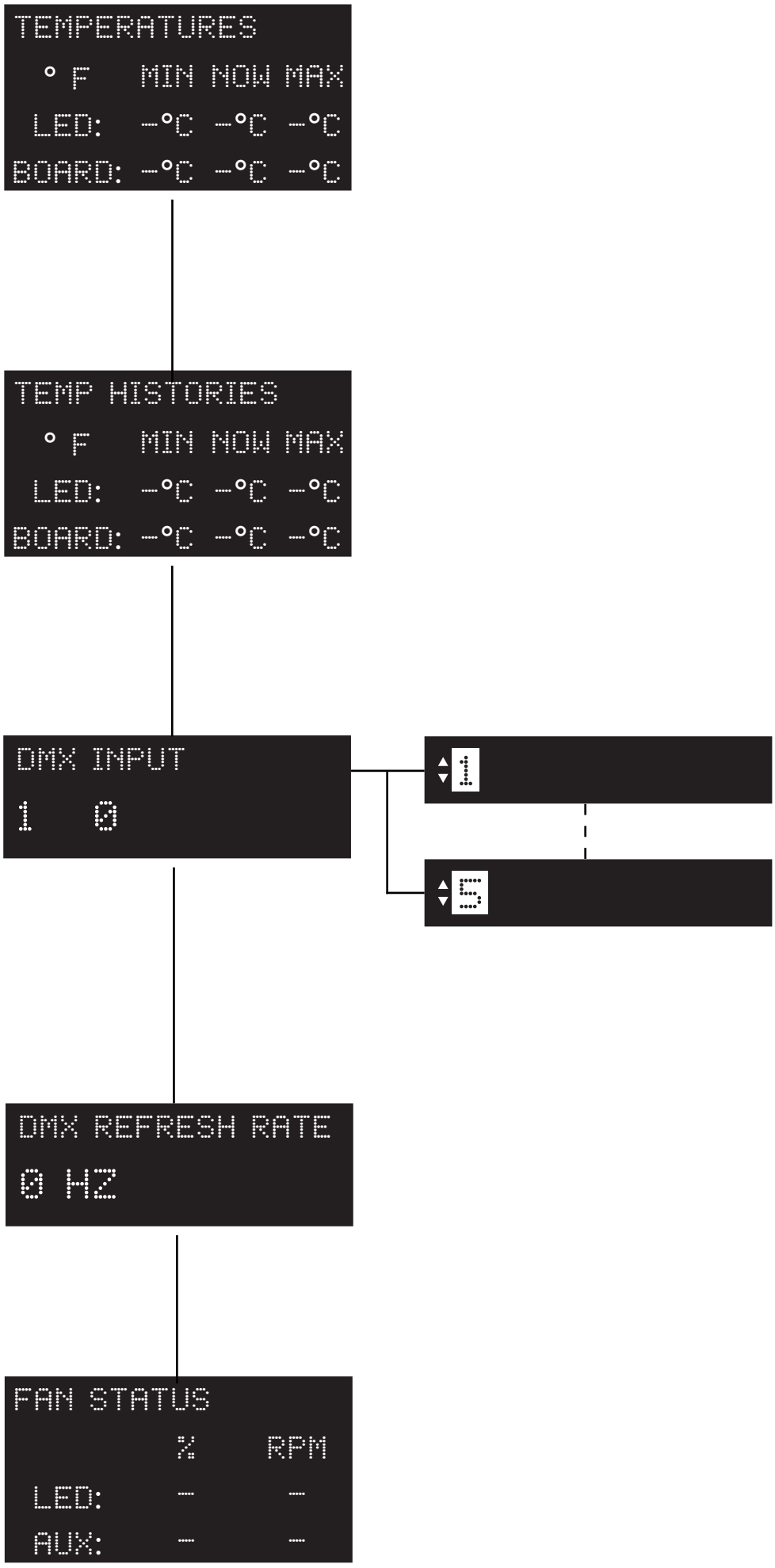
EFFECTS:
It is possible to choose between the following effects:
COLOR WHEEL: replicates the color wheel by applying a fade effect between colors (Red, Yellow, Green, Cyan, Blue, Magenta);
RGB: replicates the RGB colors in rotation following the order Red, Green, Blue;
RGB RANDOM: replicates randomly the RGB colors in rotation
COLOR: replicates the color wheel (Red, Yellow, Green, Cyan, Blue, Magenta);
COLOR RANDOM: replicates randomly the color wheel (Red, Yellow, Green, Cyan, Blue, Magenta);
POLICE B: replicates the police flashing lights (type B);
POLICE RB1: replicates the police flashing lights (type RB1);
POLICE RB2: replicates the police flashing lights (type RB2);
POLICE RBW: replicates the police flashing lights (type RBW);
POLICE Y: replicates the yellow police flashing lights;
FIRE: replicates the effect of fire from minimum (candle type) to maximum (blaze type);
PAPARAZZI: replicates the Paparazzi effect, a random flashing white light.



PARAMETER EFFECT:
It allows to change the parameter of the effect selected.
SPEED: increases the speed of all effects;
POWER: increases the intensity of all effects;
N.B. When you select a parameter effect it works for all effects and not individually.
Here below a chart where you can see which parameter works with the associated effect.

PARAMETER / **EFFECT**	Speed	Power
Color Wheel	●	/
RGB	●	/
RGB Random	●	/
Color	●	/
Color Random	●	/
Police B	/	/
Police RB1	/	/
Police RB2	/	/
Police RBW	/	/
Police Y	/	/
Fire	●	●
Paparazzi	●	/

10.8 Measures



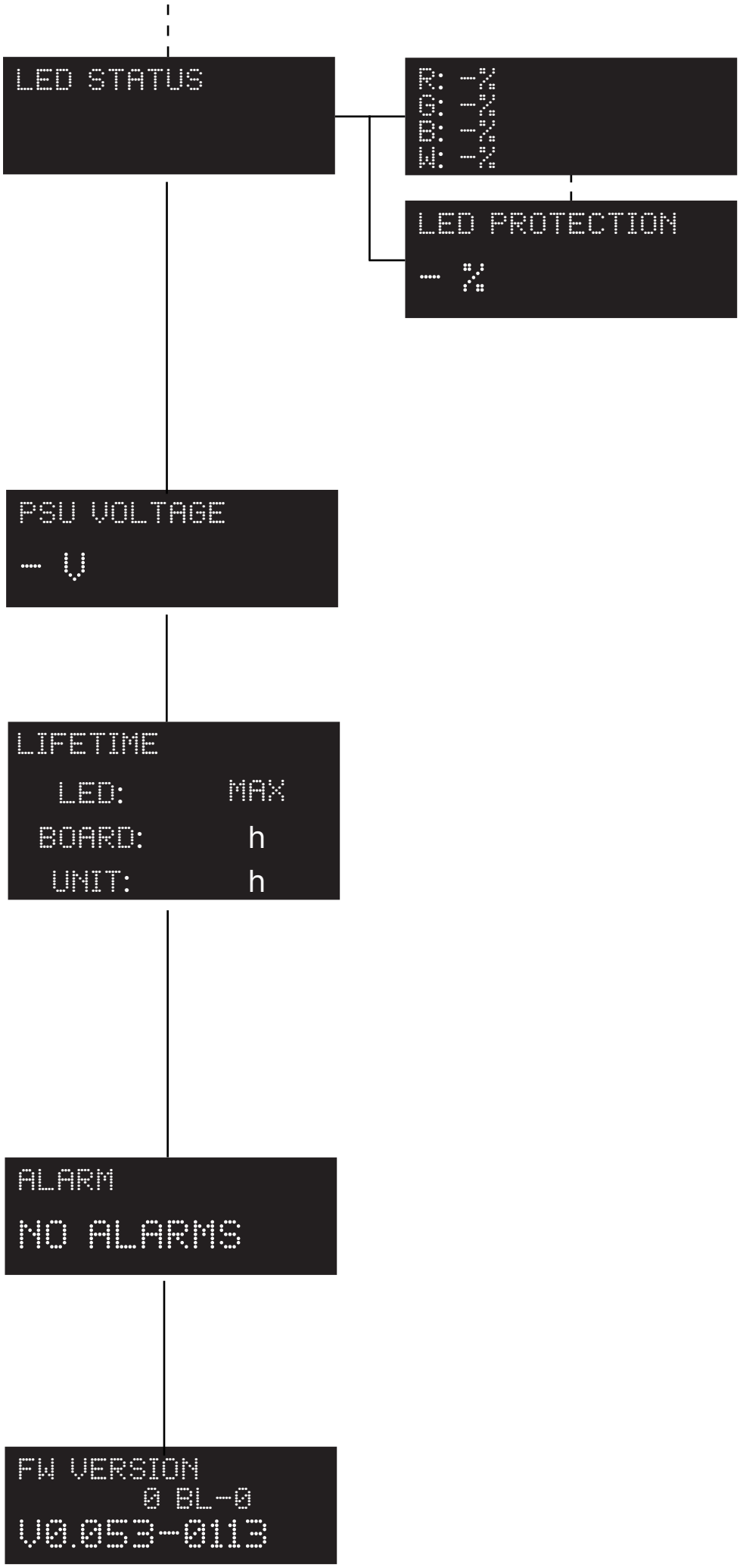
TEMPERATURES:
Shows the current temperature values of the fixture.
LED: shows the LED module temperature.
BOARD: shows the electronic board temperature.

TEMPERATURES HISTORIES:
Shows the history temperature of the fixture.
LED: shows the LED module temperature.
BOARD: shows the electronic board temperature.

DMX INPUT:
Shows the value of the DMX channels received by the fixture on every channel (from 1 to 5) that the fixture occupies on the line.

DMX REFRESH RATE:
Shows the refresh rate of the DMX signal sent by the console.

FAN STATUS:
Shows the percentage fan usage.



LED STATUS:
Shows the percentage value of the LED status.

LED PROTECTION:
Percentage of the maximum power in order to keep the projector in temperature.

PSU VOLTAGE:
Shows the power supply voltage.

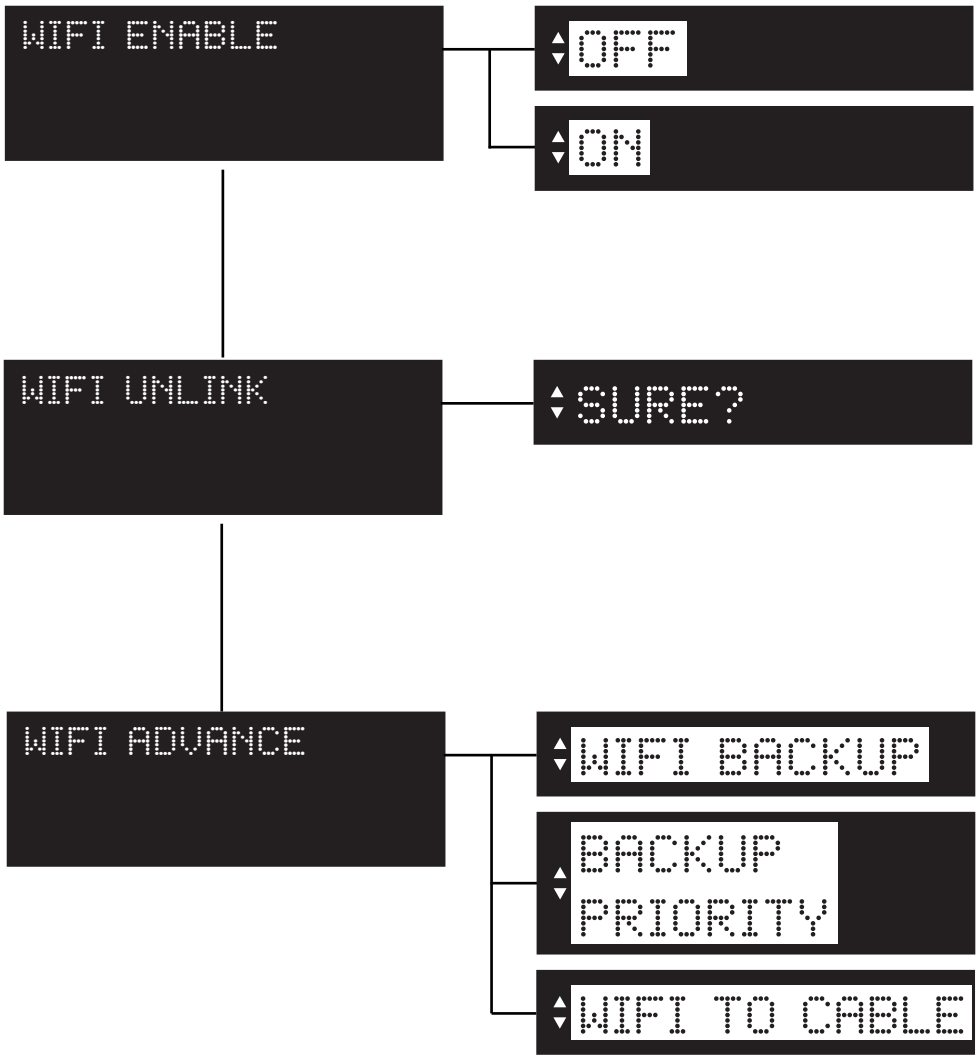
LIFETIME:
Shows the hour counter of the fixture.
LED: shows the overall LED module life.
BOARD: shows the overall LED module life currently installed.
UNIT LIFE: shows the overall hours of life of the fixture.
NOTE: this items can be reset in case of LED module replacement.

ALARM:
This menu eventually shows the alarm statuses if there is any (section **ERROR MESSAGES**).

FIRMWARE VERSION:
Shows the firmware version currently installed in the fixture (as you can see in the example).

11. Wi-Fi Menu (OPTIONAL)

11.1 Wi-Fi



WIFI ENABLE:
It allows enable all the Wi-Fi functions

WIFI UNLINK:
This function is used to disconnect the projector from the wireless transmitter.

WIFI ADVANCE:
WIFI BACKUP: Activate Backup mode (**Off / On**)

BACKUP PRIORITY:
Select the main DMX stream in backup mode: **cable or wireless**

WIFI TO CABLE: Replicate the DMX signal received via Wireless with the cable
(**Off / On**)

ATTENTION: do not connect other sources, such as consoles, DMX when the function is active.

12. Special Function and Error Messages

12.1 Special functions of the fixture

Storing the DMX signal

To use the fixture without an active DMX console it is possible to store the DMX settings in two ways:

- Through the **PRESET** menu;
- Disconnecting the DMX signal when the fixture is on. When the signal is unconnected the fixtures stores the signal;

Automatic fan standby

To decrease the noise and the power consumption the cooling fan turns off after 40 seconds without emitting light.

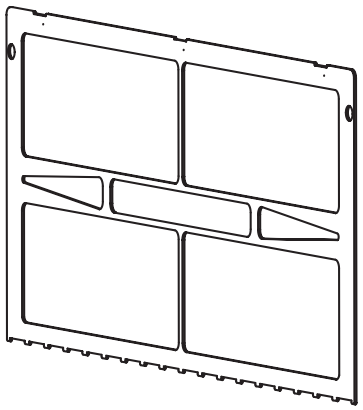
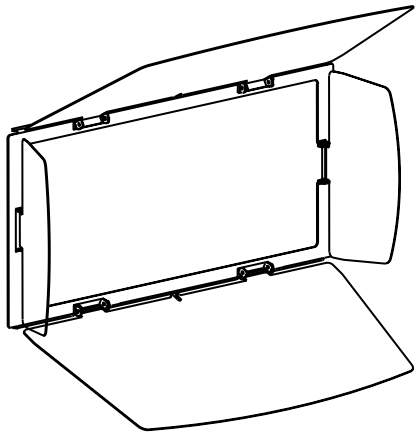
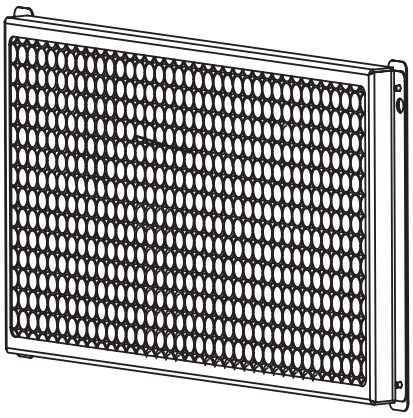
12.2 Error messages

If a malfunction occurs, **SoftLitre Led RGBW MK2** has a self-diagnostic system that will show the error message on the display. The following table will explain in detail the most common errors. If, despite of suggested intervention, the problem persists, call the **Coemar** Service Center.

Error code	Description
MEMORY	**Memory Error** Indicates that the projector has lost its memory and saved data
HW MEMORY	**HW Memory Error** Indicates that there is an Hardware Memory Error
DMX ADDR	**DMX Address Error** The projector address is too high and does not allow to receive all the necessary channels. We recall in this connection that some controllers do not generate all the 512 channels.
NTC ERROR	**NTC Error** LED temperature sensor missing or damaged.
SHORT NTC	**Short NTC Error** Error of the LED's sensor circuit.
FAN SPEED	**Fan Speed Error** Auto diagnostic routine found that the Fan may be damaged, contact Coemar assistance for the module replacement. **IMPORTANT:** to ensure the sensor is giving correct readings or that the fan rotates correctly, set the fan to the maximum level.
OVERTEMP	**Over temperature Error** Indicates that the product has reached a too high temperature.

10. Accessories and spare parts

SoftLite LED RGBW MK2 is a very versatile fixture, optional accessories for its customization are available under request:

Accessory name	Code	Detail
Color filters holder	BC10026A001	
Barndoor	BC10026A002	
Honeycomb	6mm (0.23 in) - BC10026A003 10mm (0.39 in) - BC10026A004	

All the components of **SoftLite LED RGBW MK2** are available as spare parts from your **Coemar** dealer or Service. Accurate description of the fixture, model number and type will assist us in providing for your requirements in an efficient and effective manner.

11. Maintenance

11.1 Firmware update

The fimware of **SoftLite LED RGBW MK2** can be updated through the RDM protocol (ANSI E1.20). Contact **Coemar** assistance to receive the software and the device updater.

11.2 Periodic cleaning

Lenses

Even a fine layer of dust can reduce the luminous output and alter the compactness of the beam. Regularly clean all filters and lenses using a soft cotton cloth, dampened with a specialist lens cleaning solution.

Cleaning of the unit

Use a soft brush or a common vacuum cleaner or a source of compressed air for removing dust. For the cleaning of the housing use a soft cloth and a non-aggressive cleaner. Check that the internal fans and heat exchanger must be perfectly clean.

11.3 Periodic controls

Mechanical components

Check the correct working of the mechanical parts and, if needed, replace them. Make sure the projector is not mechanically damaged. If necessary, replace the worn parts.

Electrical components

Check all electrical connections, in particular for correct grounding and correct attachment of all extractable connectors. Press the connectors if necessary and reposition as before.

11.4 Fuses

SoftLite LED RGBW MK2 has an automatic fuse that in most cases does not need to be replaced.

12. F.A.Q. and answers

The following list shows common issues that may be simply solved. If issues persist, the unit must be repaired by qualified personnel or just contact your **Coemar** service near you.

Question	Possible solution
SoftLite LED RGBW MK2 does not emitt light	**Projector not powered on:** • Make sure the power cord is plugged in or test the input voltage; **Wrong DMX address:** • Check the DMX Address setting and the output signal of the controller;
SoftLite LED RGBW MK2 does not answer to DMX signal	**DMX signal may not reach SoftLite LED RGBW MK2:** • Inspect the cable connection, correct poor connections or inefficient repair or replace damaged cables; • Check DMX address of the unit;

Help from Coemar Technical Services

If you are having difficulties and your problem is not addressed by this document, contact Coemar Technical Services directly at one of this email address:
info@coemar.com / service@coemar.com
Or call the number **+39 0376 1514412**
When calling for help, take these steps first:
• Prepare a detailed description of the problem
• Go near the equipment for troubleshooting

User notes

	**Information on disposal of the equipment**
	The equipment at the end of its useful life must be disposed of at an appropriate recycling center for waste electrical and electronic equipment. The treatment and disposal of environmentally friendly, helps prevent potential negative environmental and health and promote the reuse and / or recycling of materials making up the equipment. Illegal disposal by the user includes the application of administrative sanctions provided by law.

CE

Coemar Lighting s.r.l.

Via Carpenedolo 90
46043 Castiglione delle Stiviere, Mantova, Italia
tel. +39 0376/1514412 - fax +39 0376/1514380
info@coemar.com