Lupo

Made in Italy

User Manuals

Release 8.xx

SuperpanelPRO 30

Full Color / Dual Color

SuperpanelPRO 60

Full Color / Dual Color

UltrapanelPRO 30

Full Color / Dual Color

UltrapanelPRO 60

Full Color / Dual Color

Actionpanel

Full Color / Dual Color

DayledPRO

DayledPRO 650, DayledPRO Dual Color 650
DayledPRO 1000, DayledPRO Dual Color 1000
DayledPRO 2000, DayledPRO Dual Color 2000

MovielightPRO

Monocolor / Dual Color

SAFETY PRECAUTIONS:
Do not operate the equipment before studying the instruction manual and the accompanying safety precautions. Make sure that Lupo Safety Instruction is always included with the equipment! Lupo products are intended for professional use. Do not place or use the equipment where it can be exposed to moisture, extreme electromagnetic fields or in areas with flammable gases or dust! Do not expose the equipment to dripping or splashing. Do not place any objects filled with liquids on or near the equipment. Do not expose the equipment to hasty temperature changes in humid conditions as this could lead to condensation water in the unit. Equipment must only be serviced, modified or repaired by authorized and competent service personnel!

CAUTION - BURN HAZARD - HOT PARTS
Do not touch hot parts with bare fingers! LED bulbs and certain metal parts emit strong heat when used! Do not point lamps too close to persons. Always use the fixtures with the front part closed.

NOTICE - EQUIPMENT OVERHEATING RISK
Do not obstruct ventilation by placing filters, diffusing materials, etc. over inlets and outlets of the equipment ventilation or directly over glass cover or LED bulbs.

FINAL DISPOSAL
When no longer in use, this product may not be deposited in the normal household waste but should be brought to a collection point for the recycling of electrical and electronic appliances. The materials are recyclable as marked. By re-use, recycling or another form of usign old appliances you are making an important contribution towards the protection of the environment. Please ask your local authorities for the appropriate disposal point. Equipment contains electrical and electronic components that could be harmful to the environment.
Equipment may be returned to Lupo distributors free of charge for recycling according to WEEE.
Follow local legal requirements for separate disposal of waste, for instance WEEE directive for electrical and electronic equipment on the European market, when product life has ended!

MAINTENANCE AND CARE
Please do not forget that the safe operation of lampheads also includes their maintenance and care. A visual inspection should be conducted before every use and an inspection of electrical safety should be conducted at least once every 12 months.

WARRANTY
Each Lupo product will be repaired free of charge by Lupo if during a period of **12 months** for mechanical components and **12 months** for electrical/electronic components from date of purchase its working order is impaired through a manufacturing or material defect. The faulty product should be immediately sent to authorized dealer or Lupo. This warranty is not valid for equipment which has been used improperly, dismantled, modified or repaired by persons not belonging to the Lupo distribution network. It does not cover lamps, lenses or the material entirely or partially made of glass. No responsibilities can be accepted for damage resulting from unsatisfactory operation of the equipment. Please contact the dealer who sold the fixture/s before any units are returned for repair. Lupo will make the final determination as to whether or not the unit is covered by warranty. Lupo will replace or repair to proper working condition any products that are returned under waranty. Products repaired or replaced under warranty are under warranty only for the remaining unexpired period of time of the original warranty. Any product unit or part returned to Lupo must be packaged in a suitable manner to ensure the protection of such product unit or parts. The package must be clearly an prominently marked to indicate that the package contains returned product units or parts. All returned product units or parts must be accompanied by a written explanation of the alleged problem or malfunction.

WARNING:
When hanging the fixture from higher position, please make sure you use a safety cable to attach the barndoors to the yoke of the fresnel.
Barndoors should always be secured to the yoke when used in this way.
Another safety cable should be used to secure the fixture to the mounting pipe or truss.
Both safety cables must be properly dimensioned for the fixture and the application when the fixture is operated in hanging position please ensure that the accessories are installed correctly with top latch locked.

*Thanks for having purchased **Lupo** products. All the products are made in Italy and all the efforts have been put to keep the quality standards high. We hope this product can help you in your job and make your life easier as a professional. We also hope you will enjoy its use and we would be happy to receive your feedback about it.*

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UltrapanelPRO 30

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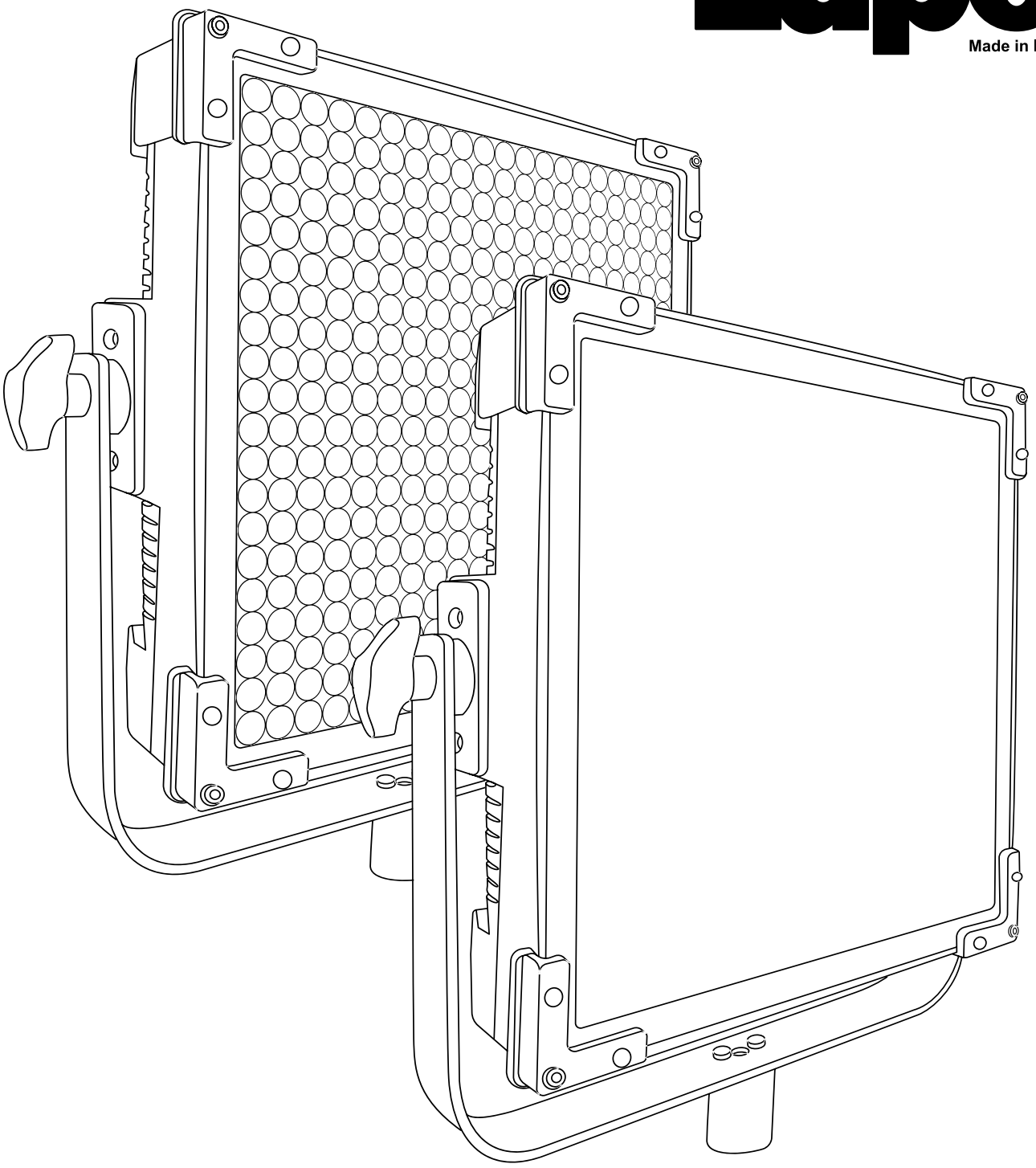
Actionpanel

DayledPRO

MovielightPRO

Lupo
Made in Italy



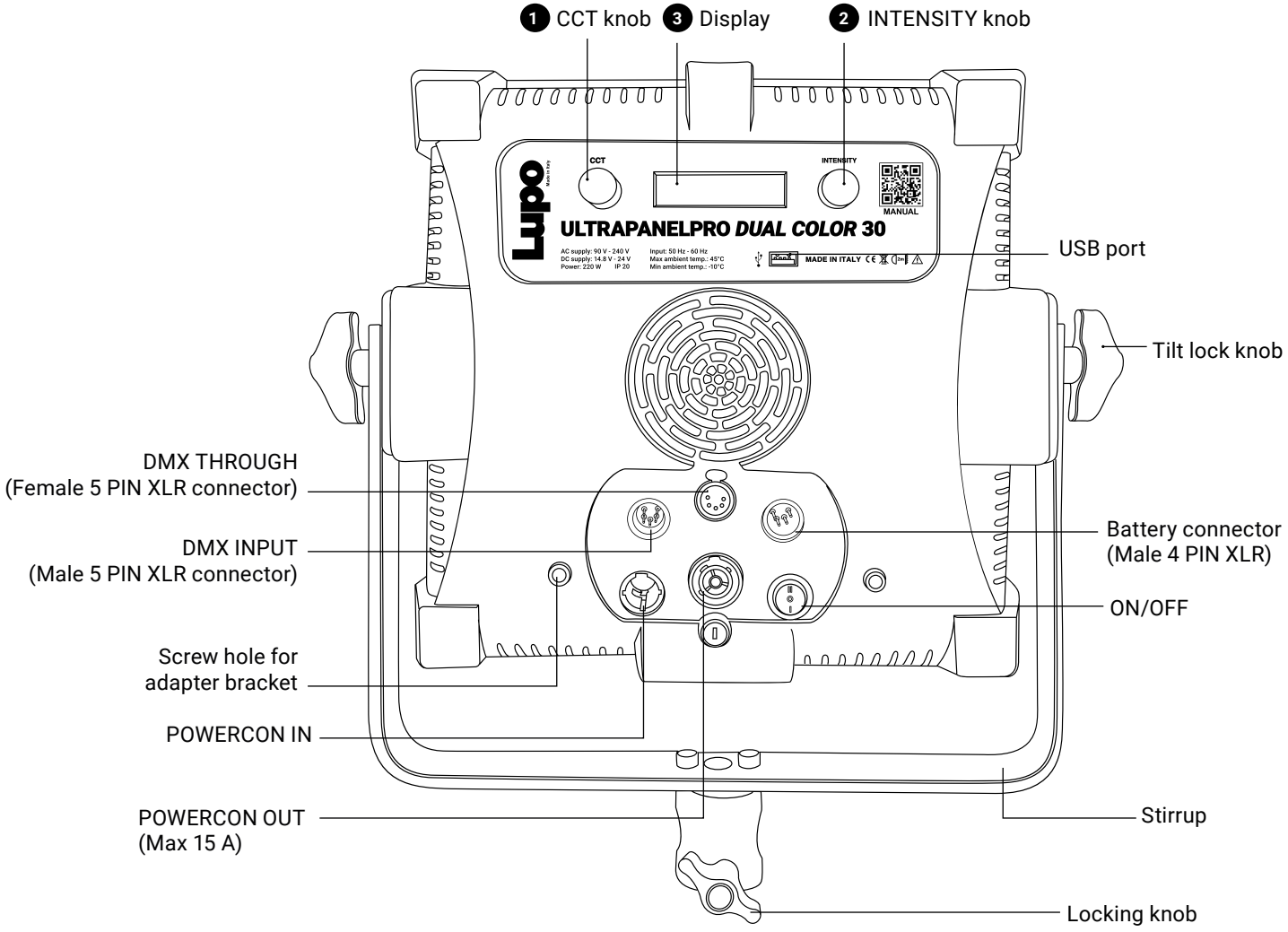
User Manuals

800 PRO UltrapanelPRO Dual Color 30 Hard
810 PRO UltrapanelPRO Dual Color 30 Soft
400 PRO SuperpanelPRO Dual Color 30 Hard
410 PRO SuperpanelPRO Dual Color 30 Soft

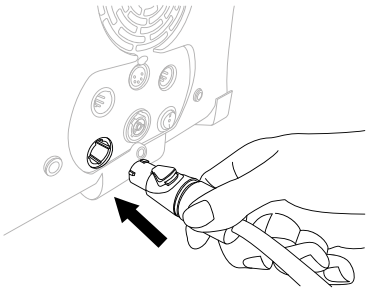
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- SuperpanelPRO and UltrapanelPRO models are equipped with new generation high quality powerleds.

Getting Started with the SuperpanelPRO 30 and the UltrapanelPRO 30

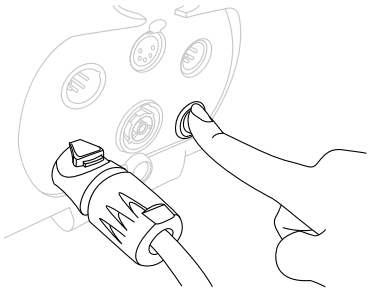


Turning on the SuperpanelPRO 30 and the UltrapanelPRO 30



1 Insert the POWERCON

2 Rotate it by 15° until makes a click



3 Turn ON the power switch:
0 : OFF
I : AC power
II : Battery power

CONTROL PANEL

- In current mode press the ❷ push button to enter the main MENU.
- In the sub-menus press the ❷ push button to confirm a selection.
- Rotate the ❷ knob to navigate in the main MENU and sub-menus.
- Use the « **INTENSITY** » ❷ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knob ❶ to adjust the light mode parameters.
- Display ❸.

⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MODE

1. Press the ❷ push button to enter the main MENU.
2. Select ***MODE*** by pressing the ❷ push button.
3. Select the light mode among ***CCT*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select among ***CCT / PRESET / SAVE PRESET*** with the ❺ knob and press the ❺ push button to confirm selection
5. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	GN/SAT/COLOR ❻
CCT	Light Intensity	CT 2800 K to 10000 K	-	-

CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), and light intensity. *This is the default setting.*

⚠ **ATTENTION:** Rotating the ❶ knob changes the CT value- Pressing ❶ button select GN value that can be changed by rotating the same ❶ knob.

DMX OPERATIONS

1. Press the ❷ push button to enter the main MENU.
2. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
3. Select ***DMX*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select the DMX channel, rotating the ❶ knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display ❸ is the selected channel to communicate with the control desk.
5. See ***DMX PROTOCOL MANUAL*** for DMX channel specification**.**

NOTE: The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❷ push button to enter the main MENU.
1. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
2. Select ***BLE*** with the ❷ knob and press the ❷ push button to confirm selection.

DMX OPERATIONS - Advanced Settings

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the main MENU with the ❷ knob until **DEVICE SETTINGS** and press the ❷ push button to confirm selection.
3. Rotate the ❷ knob to select ***DMX ADVANCED,*** press the ❷ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS, RDM ENABLE, STROBE ENABLE*** and ***INV CCT***

press ❷ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❷ push button.
2. Rotate the ❷ knob to choose between ***8bit / 16bit***, press the ❷ push button to confirm the selected setting. *See **DMX PROTOCOL MANUAL**.*

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❷ push button
2. Rotate the ❷ knob to select the device's behaviour among ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❷ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The SuperpanelPRO and UltrapanelPRO can be used with 8 bit or 16 bit DMX control. (See *DMX OPERATION - advanced settings* in the user's manual). When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

⚠ **ATTENTION: *** If the **STROBE** in the DMX ADVANCED SETTINGS is enabled, there are 1 more channel in 8 bit and 2 more channels in 16 bit:

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	4/6*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color

Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❷ button, select ***DEVICE SETTINGS***, press the ❷ push button to confirm the selection.
3. Navigate through the MENU rotating the ❷ button, select ***GENERAL***, press the ❷ push button to confirm the selection.
4. Navigate through the ***FAN POWER / DISPLAY / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❷ button to select the desired function and press the ❷ push button to confirm the selection.
5. Within each function select the option to be activated and rotate the ❷ button.

Fan Power: Fan operation ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** be adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.
CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. Press the « **OK** » ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❷ button, press the ❷ push button to confirm the selection.
3. Select ***YES*** rotating the ❷ button, press the ❷ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❷ push button.***THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING

MODE
CCT
DMX OPERATION
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz
CONTROL
Manual

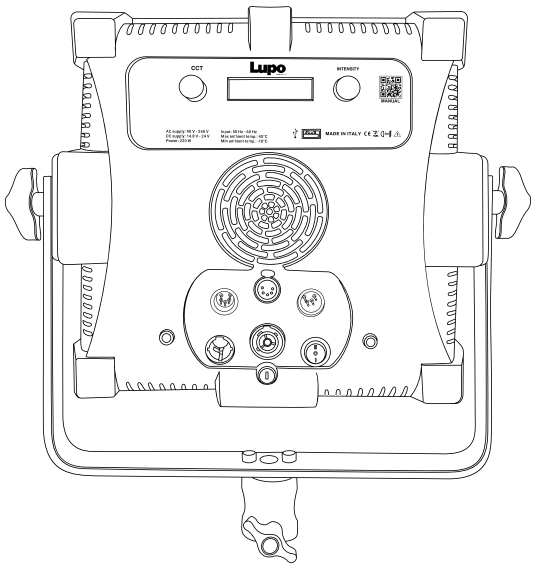
USB PORT

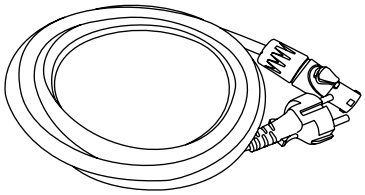
Use USB port for firmware updates.

Update the Firmware

1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight stop flashing (it takes several minutes and display backligh must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

Package Contents for SuperpanelPRO 30 and UltrapanelPRO 30





AC Power Cord Cable

> ⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.

- **MODE**
  - CCT MODE
  - PRESET MODE
    - 5600
    - 4000
    - 3200
  - SAVE PRESET
    - 1
    - 2
    - 3
    - 4
    - 5
  - EXIT
- **CONTROL**
  - MANUAL
  - DMX
  - BLE
  - EXIT
- **DEVICE SETTINGS**
  - GENERAL
    - FAN POWER
      - ON/OFF
      - BACK
    - DISPLAY OPTIONS
      - 30 SEC
      - 1 MIN
      - ALWAYS ON
      - BACK
    - MENU VIEW
      - MANUAL/DMX
      - ONLY MANUAL
      - ONLY DMX
      - BACK
    - FREQUENCY
      - 18 KHz
      - 25 KHz
    - FILTER
      - FULL SPEED
      - NORMAL SPEED
      - HIGH SPEED
      - LOW SPEED
      - BACK
    - LINEARIZATION
      - LINEAR
      - EXPONENTIAL
      - LOGARITHMIC
      - BACK
    - CCT LIMIT
      - 2800 - 6500
      - 3200 - 5600
    - EXIT
  - DMX ADVANCE
    - DMX BIT
      - 8 BIT
      - 16 BIT
      - BACK
    - DMX SIGNAL LOSS
      - BLACK OUT
      - SETTINGS LAST
      - SETTINGS 1 MIN
      - BACK
    - RDM ENABLE
      - ON
      - OFF
    - INV - CCT
      - ON
      - OFF
  - EXIT
- **RESET DEVICE**
  - YES
  - BACK
- **INFO**
  - FW
  - RDM ADDRESS
  - FW RADIO
  - BACK
- **EXIT**

NOTE: *After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.*

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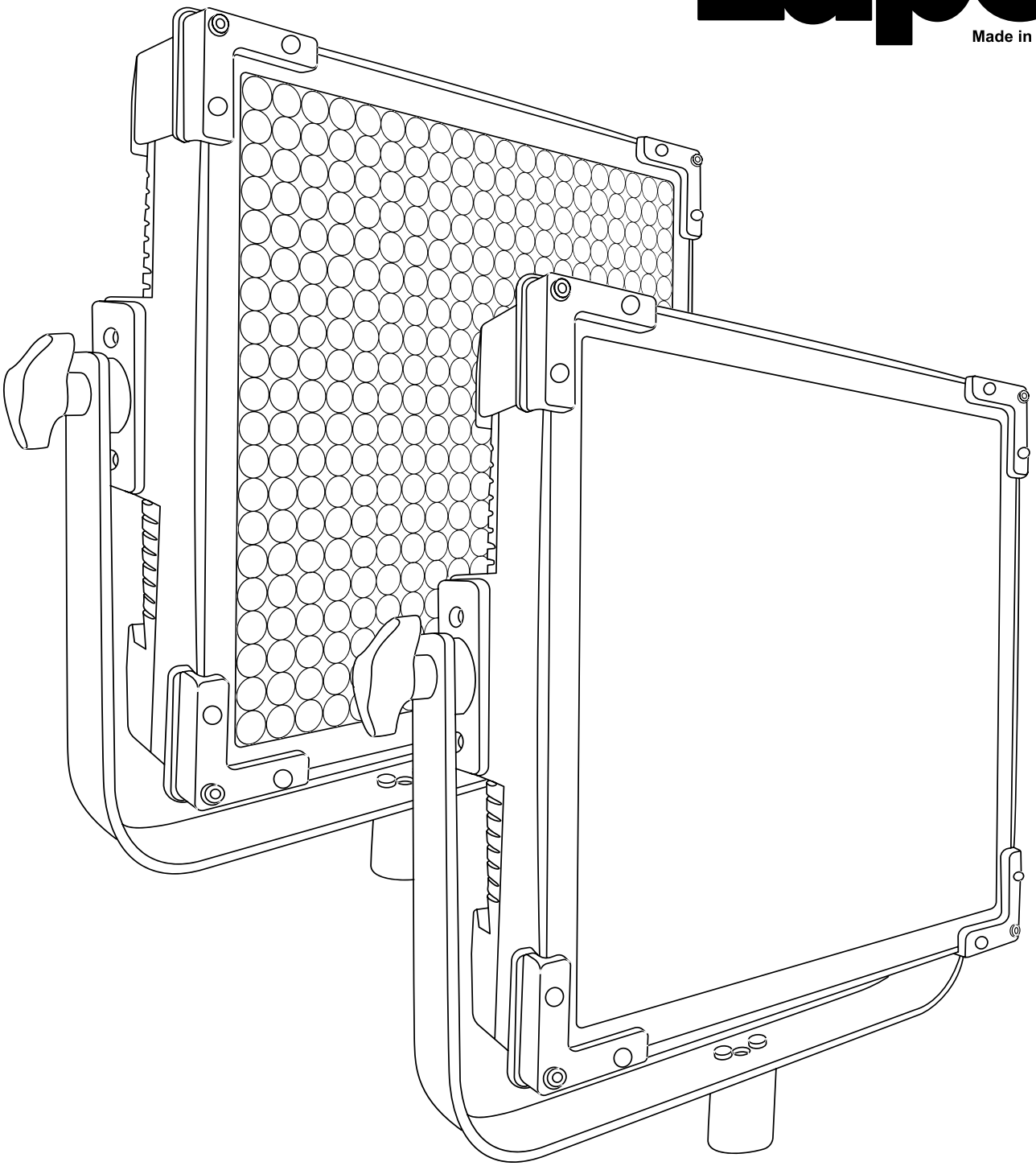


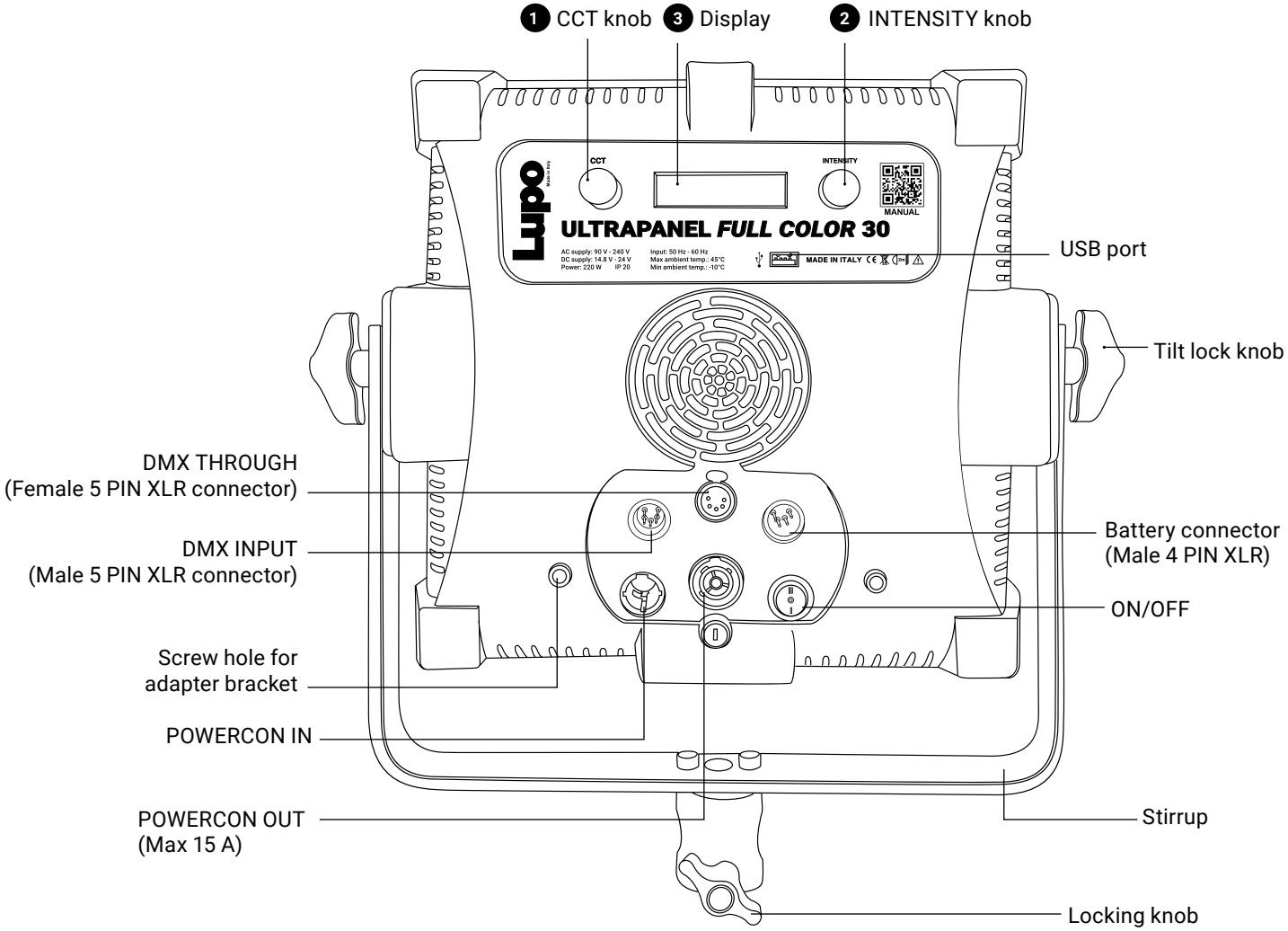
User Manuals

817 PRO UltrapanelPRO Full Color 30 Hard
815 PRO UltrapanelPRO Full Color 30 Soft
418 PRO SuperpanelPRO Full Color 30 Hard
415 PRO SuperpanelPRO Full Color 30 Soft

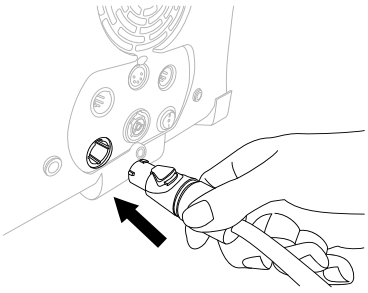
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- SuperpanelPRO and UltrapanelPRO models are equipped with new generation high quality powerleds.

Getting Started with the SuperpanelPRO 30 and the UltrapanelPRO 30

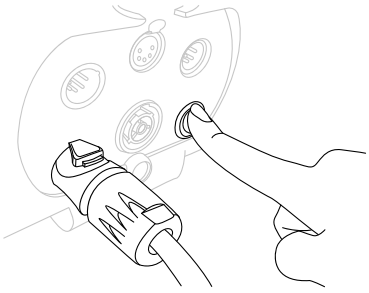


Turning on the SuperpanelPRO 30 and the UltrapanelPRO 30



1 Insert the POWERCON

2 Rotate it by 15° until makes a click



3 Turn ON the power switch:
0 : OFF
I : AC power
II : Battery power

CONTROL PANEL

- In current mode press the ❷ push button to enter the main MENU.
- In the sub-menus press the ❷ push button to confirm a selection.
- Rotate the ❷ knob to navigate in the main MENU and sub-menus.
- Use the « **INTENSITY** » ❷ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knob ❶ to adjust the light mode parameters.
- Display ❸.

⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MODE

1. Press the ❷ push button to enter the main MENU.
2. Select ***MODE*** by pressing the ❷ push button.
3. Select the light mode among ***CCT*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select among ***CCT / HSI / RGBW / PRESET / EFFECT / SAVE PRESET*** with the ❺ knob and press the ❺ push button to confirm selection
5. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	GN/SAT/COLOR ❻
CCT	Light Intensity from 0 to 100%	CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI		HUE 0° to 100°	SAT 0 to 100%	-
RGBW		-	Select function R/G/B/W/CT/GN	Change values of the function
PRESET		-	-	Change Preset

CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

1. In MODE menu select ***EFFECT MODE***.
2. Select the EFFECT to be activated with rotate the ❷ button, confirm the selection by pressing the ❷ push button.
3. Use the knob ❷ to change the DIMMER and the knob ❶ to adjust the effect setting values.

⚠ **ATTENTION:** Rotating the ❶ knob changes the CT value- Pressing ❶ button select GN value that can be changed by rotating the same ❶ knob.

DMX OPERATIONS

1. Press the ❷ push button to enter the main MENU.
2. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
3. Select ***DMX*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select the DMX channel, rotating the ❶ knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display ❸ is the selected channel to communicate with the control desk.
5. See ***DMX PROTOCOL MANUAL*** for DMX channel specification**.**

NOTE: The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❷ push button to enter the main MENU.
1. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
2. Select ***BLE*** with the ❷ knob and press the ❷ push button to confirm selection.

DMX OPERATIONS - Advanced Settings

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the main MENU with the ❷ knob until **DEVICE SETTINGS** and press the ❷ push button to confirm selection.
3. Rotate the ❷ knob to select ***DMX ADVANCED,*** press the ❷ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS, RDM ENABLE, STROBE ENABLE*** and ***INV CCT*** press ❷ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❷ push button.
2. Rotate the ❷ knob to choose between ***8bit / 16bit***, press the ❷ push button to confirm the selected setting. *See **DMX PROTOCOL MANUAL*.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❷ push button
2. Rotate the ❷ knob to select the device's behaviour among ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❷ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The SuperpanelPRO and UltrapanelPRO can be used with 8 bit or 16 bit DMX control. (See *DMX OPERATION - advanced settings* in the user's manual). When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

⚠ **ATTENTION: *** If the **STROBE** in the DMX ADVANCED SETTINGS is enabled, there are 1 more channel in 8 bit and 2 more channels in 16 bit:

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	3/4*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

HSI	3/4*	1. DIMMER	0 - 255	0 ÷ 100 %
		2. HUE	0 ÷ 253	0 ÷ 360
		3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
RGBW	7/8*	1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
FRGBW	7/8*	1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
PRESET	3/4*	1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
		3. PRESET FREEZE	0 - 50	NO FREEZE
			200 ÷ 255	FREEZE
		4. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6/8*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		6. GN COMPENSATION - byte 2	501 ÷ 65535	- 1.00 ÷ + 1.00
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
HSI	6/8*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		4. HUE - byte 2		
		5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100%
		6. SATURATION - byte 2		
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
RGBW	14/16*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 + 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 + 65535	0 ÷ 100 %
		8. BLUE - byte 2		
		9. WHITE - byte 1	0 + 65535	0 ÷ 100 %
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		

RGBW	14/16*	13. GN COMPENSATION - byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
FRGBW	14/16*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 2		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 100 %
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION - byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
PRESET	6/8*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
		4. PRESET - byte 2		
		5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535 freeze
		6. PRESET FREEZE - byte 2		
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens

	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.

FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❷ button, select ***DEVICE SETTINGS***, press the ❷ push button to confirm the selection.
3. Navigate through the MENU rotating the ❷ button, select ***GENERAL***, press the ❷ push button to confirm the selection.
4. Navigate through the ***FAN POWER / DISPLAY / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❷ button to select the desired function and press the ❷ push button to confirm the selection.
5. Within each function select the option to be activated and rotate the ❷ button.

Fan Power: Fan operation ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** be adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.

CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. Press the « **OK** » ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❷ button, press the ❷ push button to confirm the selection.
3. Select ***YES*** rotating the ❷ button, press the ❷ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❷ push button.***THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING	
MODE	**DEVICE SETTINGS**
CCT	FAN: ON
DMX OPERATION	DISPLAY: 1 min
BIT: 8 BIT	FILTER : Normal speed
DMX SIGNAL LOSS: Settings 1 MIN	LINEARIZATION: Linear
RDM ENABLE: OFF	FREQUENCY: 18 KHz
INV - CCT: OFF	**CONTROL**
	Manual

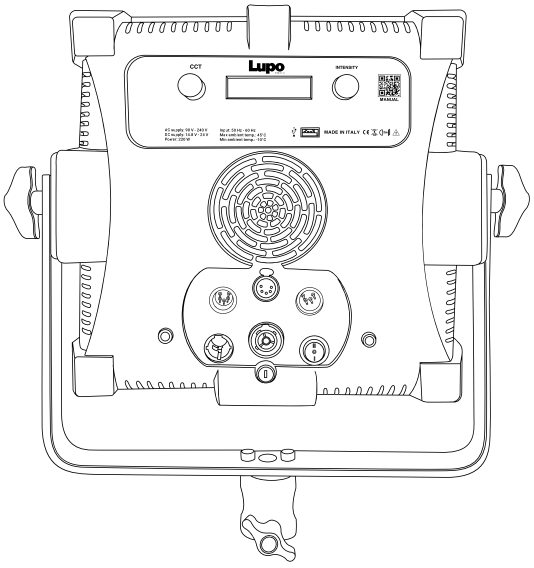
USB PORT

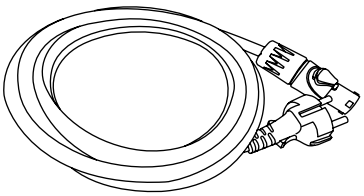
Use USB port for firmware updates.

Update the Firmware

1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

Package Contents for SuperpanelPRO 30 and UltrapanelPRO 30



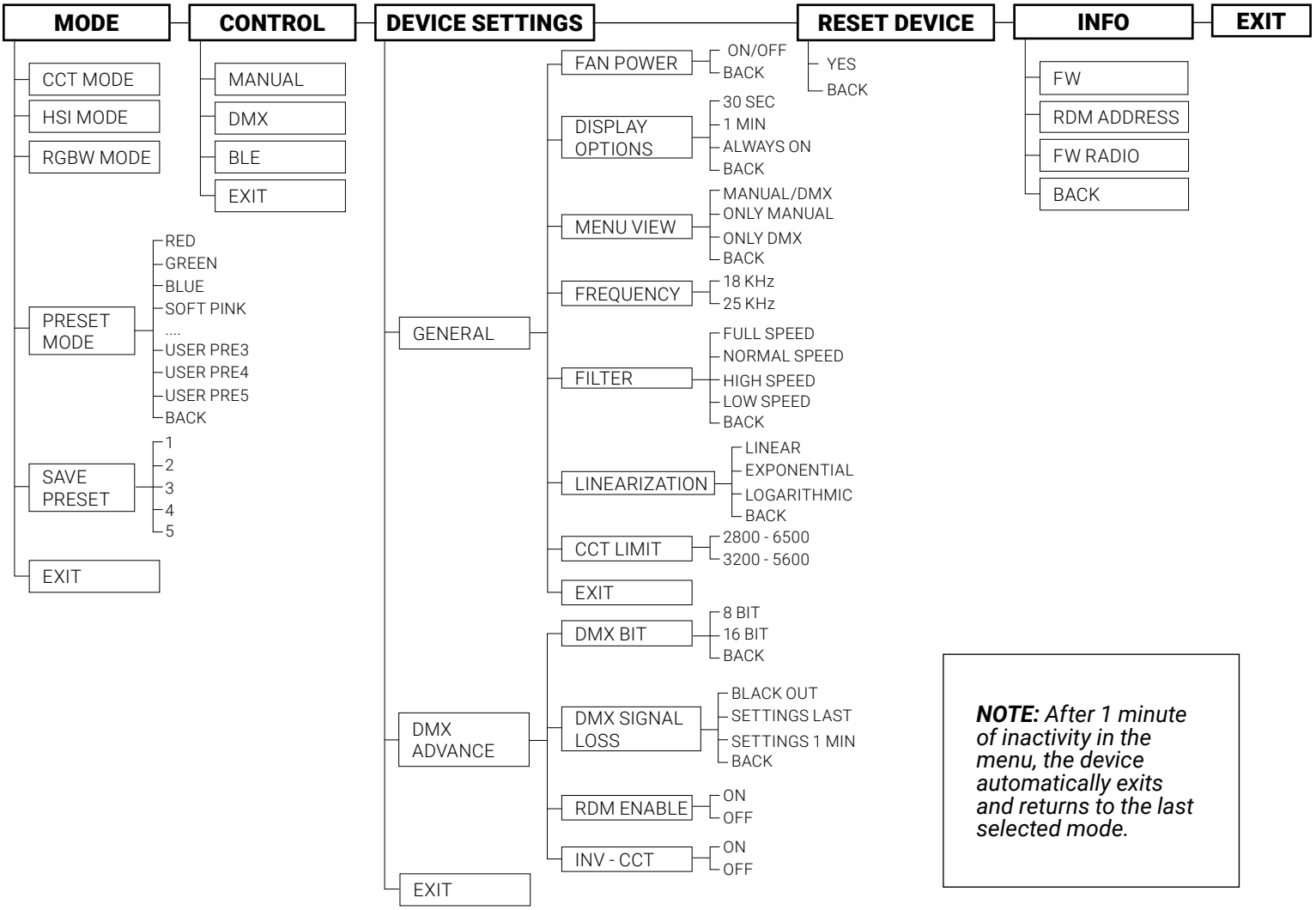


AC Power Cord Cable

⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

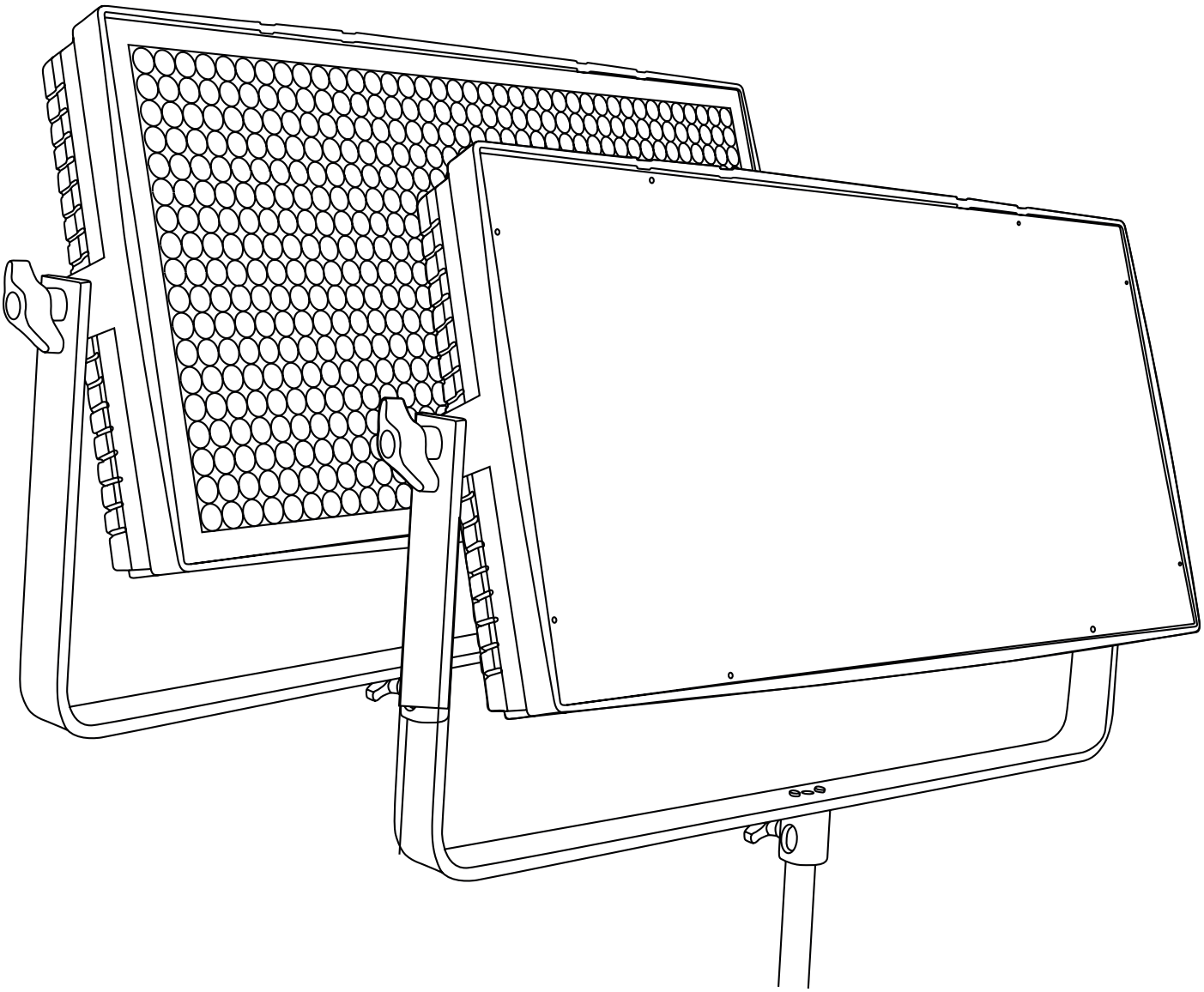
- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.



***NOTE**: After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.*

Lupo

Made in Italy



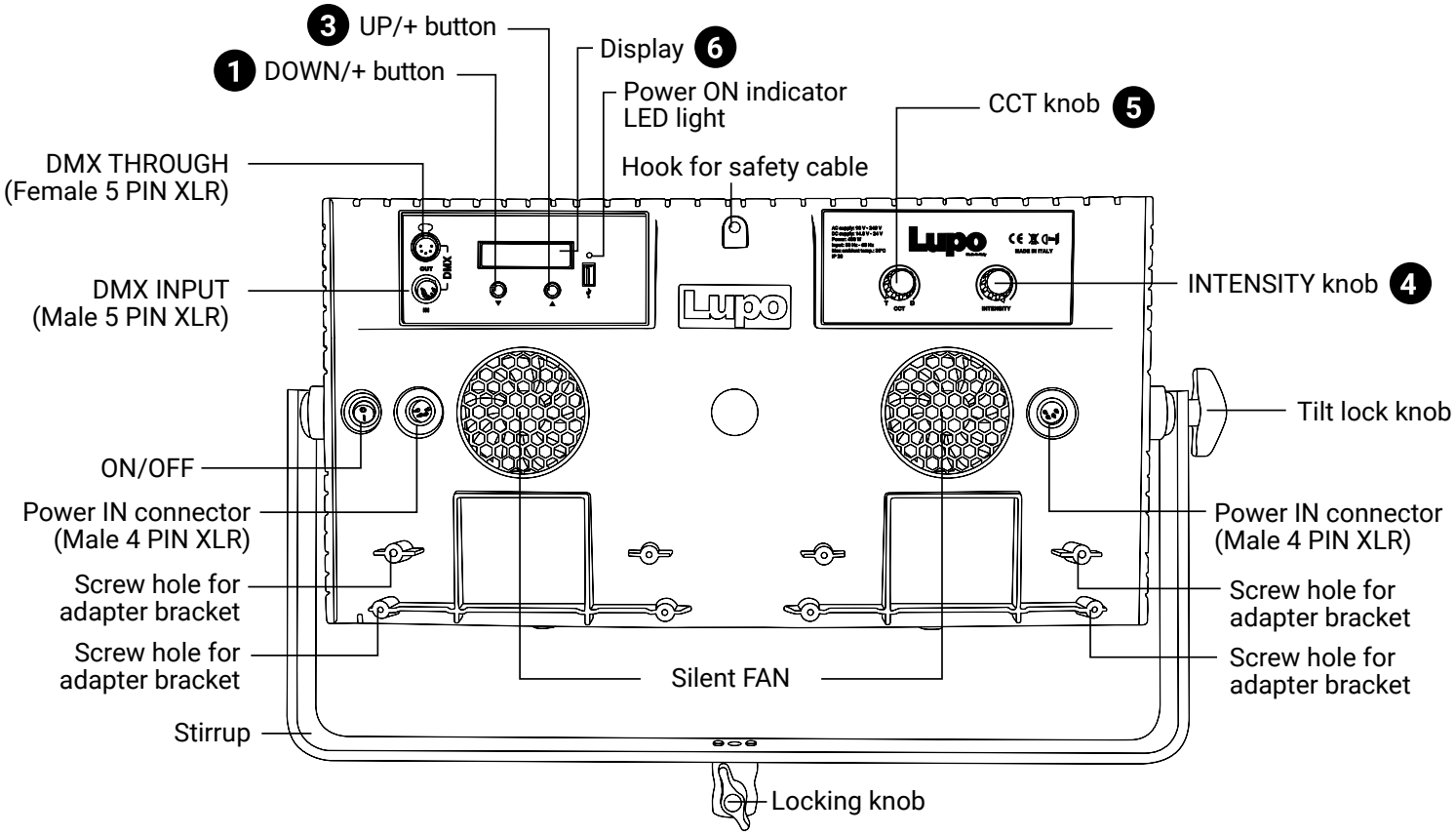
User Manuals

804 Ultrapanel Dual Color 60 Hard
814 Ultrapanel Dual Color 60 Soft
404 Superpanel Dual Color 60 Hard
414 Superpanel Dual Color 60 Soft

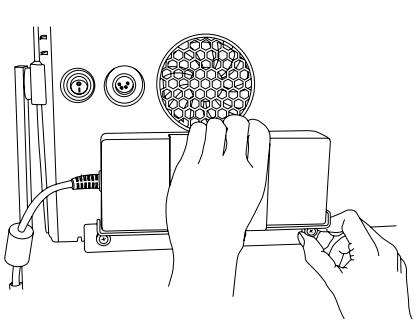
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- Superpanel models are equipped with new generation high quality powerleds.

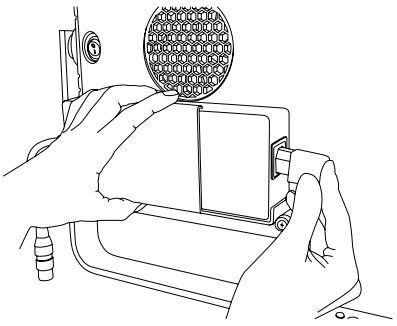
Getting Started with the Superpanel 60 and the Ultrapanel 60



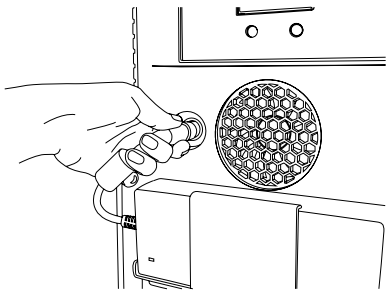
Turning on the Superpanel 60 and the Ultrapanel 60



1 Place the two AC Adapters in the mounting brackets via the 2 captive screws of the panel fixture.



2 Insert the two power cord cables into the AC adapters and connect the fixture to the power plug.



3 Insert the two DC XLR 4 pin connectors into the input jacks on the panel and **power on** the fixture.

CONTROL PANEL

- In current mode press the ❺ push button to enter the main MENU.
- In the sub-menus press the ❺ push button to confirm a selection.
- Rotate the ❺ knob to navigate in the main MENU and sub-menus.
- Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knobs ❺ and ❻ to adjust the light mode parameters.
- Display ❼.

> ⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MANUAL OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***MANUAL*** by pressing the ❺ push button.
3. Select the light mode between ***CCT*** with the ❺ knob and press the ❺ push button to confirm selection.
4. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
CCT	Light Intensity	CT 6500 K to 2800 K	GN -1.00 to +1.00	-

CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

1. In MANUAL OPTIONS or DMX MODE menu select ***EFFECT MODE***.
2. Select the EFFECT to be activated with rotate the ❺ button, confirm the selection by pressing the ❺ push button.
3. In current mode, use the « ▼ » ❶ o « ▲ » ❷ button to change the EFFECT in ascending or descending order. ***THE EFFECT ON THE DISPLAY IS THE SELECTED EFFECT.***
4. Use the knobs ❺ and ❹ to adjust the effect setting values. **See table below.**

DMX OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***DMX*** with the ❺ knob and press the ❺ push button to confirm selection.
3. Select the light mode between ***CCT*** with the ❺ knob and press the ❺ push button to confirm selection.
4. Select the DMX channel, rotating the ❺ knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display ❸ is the selected channel to communicate with the control desk.

1. See ***DMX PROTOCOL MANUAL*** to DMX channel specification**.**

> **NOTE:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***BLE,*** press the ❺ push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***DMX ADVANCED,*** press the ❺ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS*** and ***RDM ENABLE*** press ❺ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❺ push button.
2. Rotate the ❺ knob to choose between ***8bit / 16bit***, press the ❺ push button to confirm the selected setting. *See* ***DMX PROTOCOL MANUAL*.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❺ push button
2. Rotate the ❺ knob to select the device's behaviour between ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❺ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft

	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software

DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

LIGHT MODES

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❺ button, select ***DEVICE SETTINGS***, press the ❺ push button to confirm the selection.
3. Navigate through the ***FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION*** functions, rotating the ❺ button to select the desired function and press the ❺ push button to confirm the selection.
4. Within each function select the option to be activated and rotate the ❺ button.

Fan: Fan operation. ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** be adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Menu View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/ DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.
CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. Press the **« OK »** ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❺ button, press the ❺ push button to confirm the selection.
3. Select ***YES*** rotating the ❺ button, press the ❺ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❺ push button.***THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz

BLUETOOTH
Bluetooth Active: OFF

DMX OPERATION - DMX Protocol

The Superpanel 60 and Ultrapanel 60 can be used with **8 bit** (1 channel per function) and **16 bit** (2 channels per function). The Actionpanel uses consecutive channels starting from the DMX address set on the panel used as reference for the connection to the control desk. Please take the above into consideration when using many panels units to avoid overlaps.

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	4/6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

USB PORT

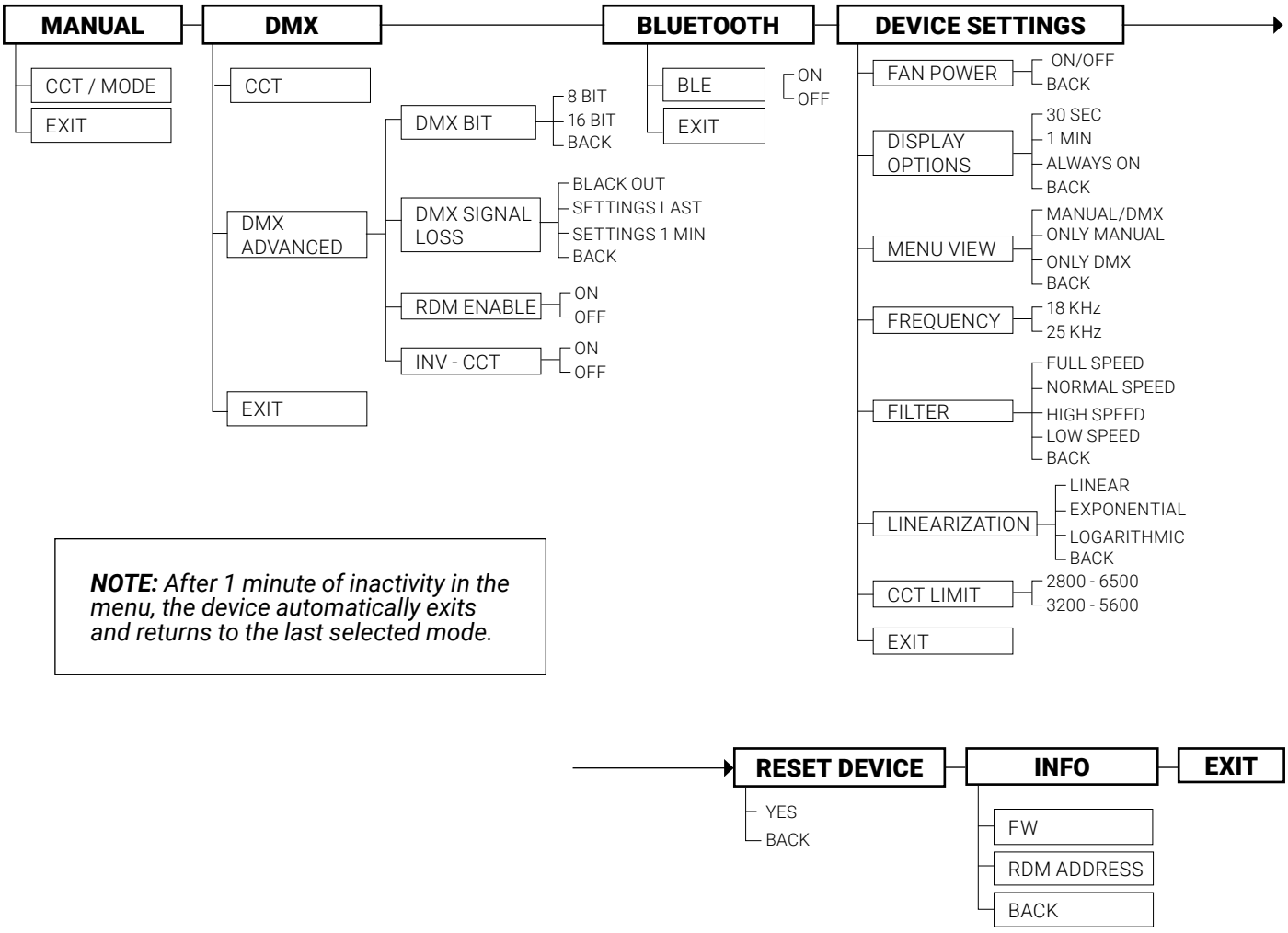
Use USB port for firmware updates.

Update the Firmware

1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

MENU e submenus

- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.



NOTE: *After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.*

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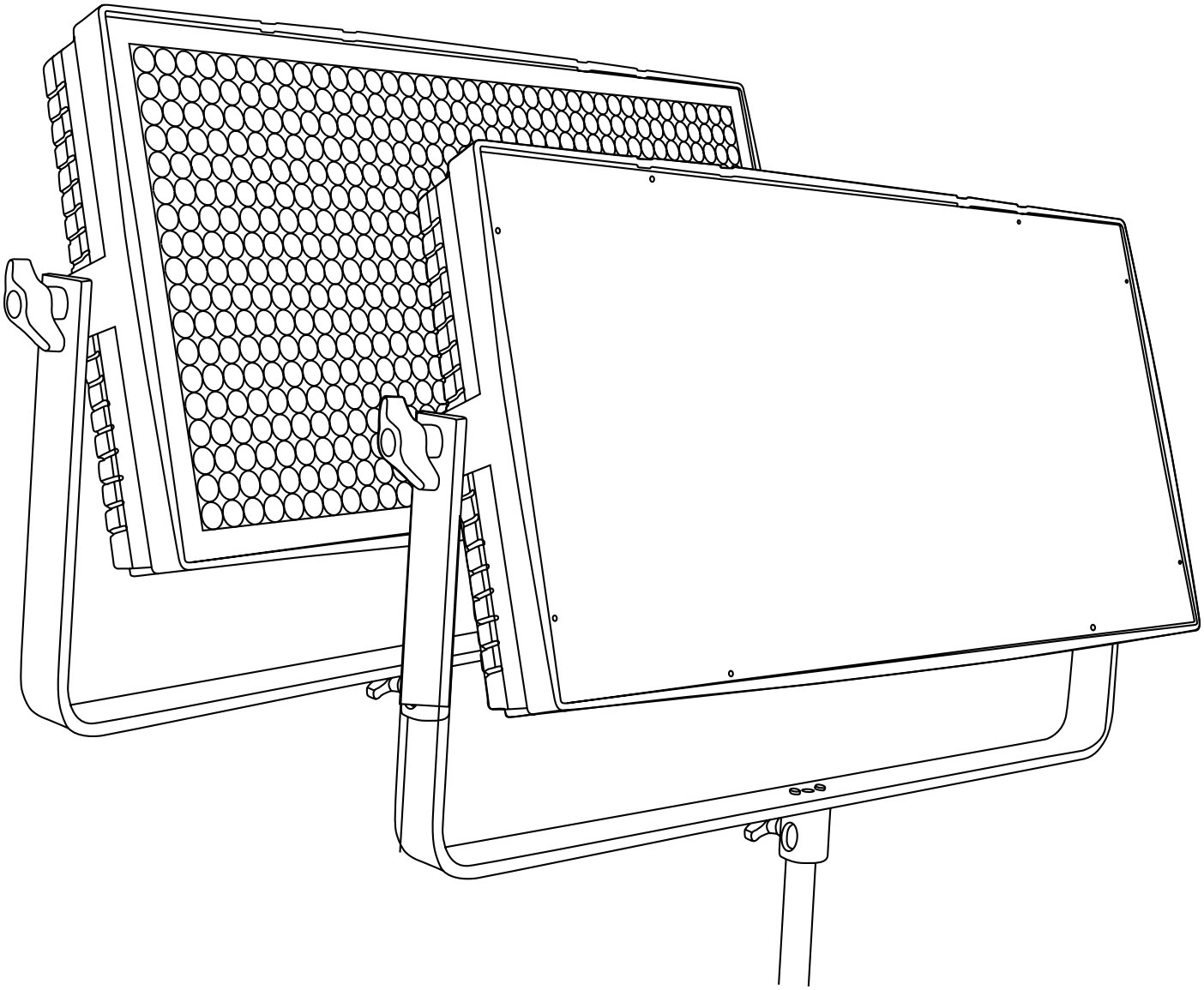


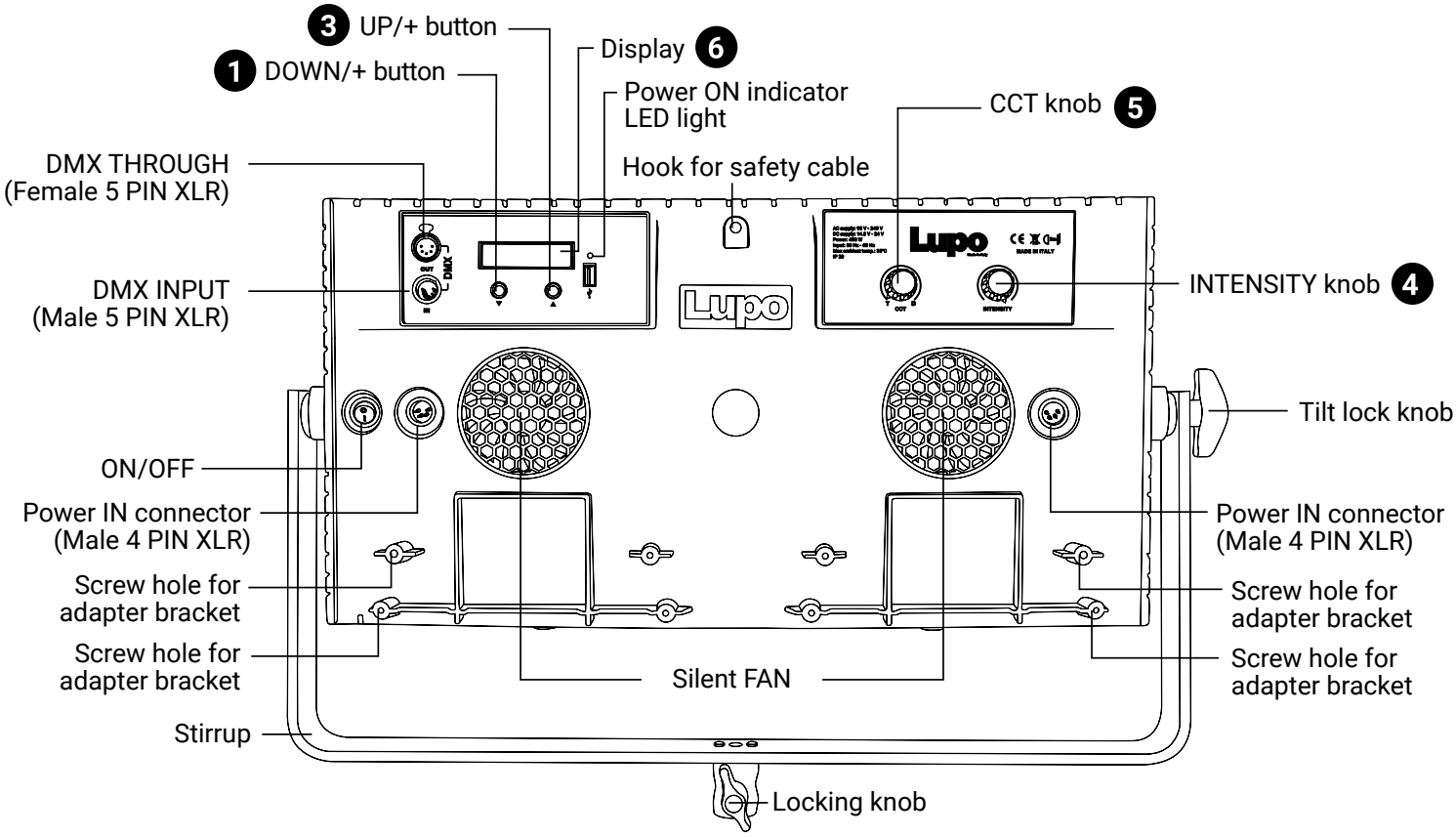
User Manuals

818 Ultrapanel Full Color 60 Hard
816 Ultrapanel Full Color 60 Soft
409 Superpanel Full Color 60 Hard
416 Superpanel Full Color 60 Soft

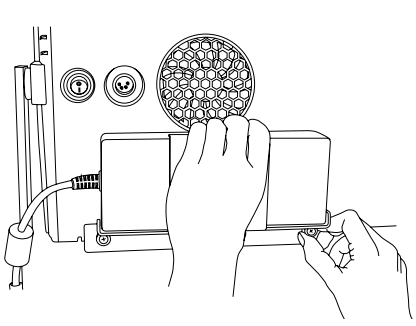
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- Superpanel models are equipped with new generation high quality powerleds.

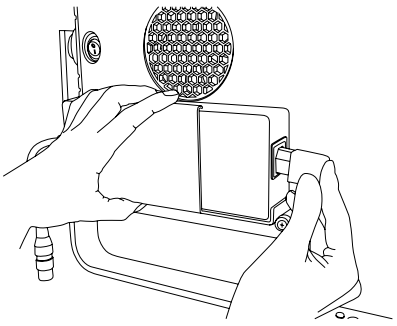
Getting Started with the Superpanel 60 and the Ultrapanel 60



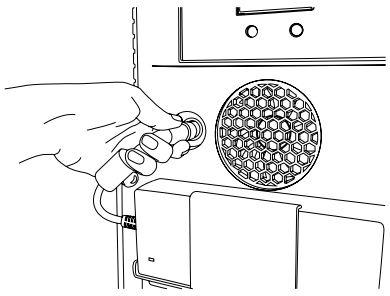
Turning on the Superpanel 60 and the Ultrapanel 60



1 Place the two AC Adapters in the mounting brackets via the 2 captive screws of the panel fixture.



2 Insert the two power cord cables into the AC adapters and connect the fixture to the power plug.



3 Insert the two DC XLR 4 pin connectors into the input jacks on the panel and **power on** the fixture.

CONTROL PANEL

- In current mode press the ❺ push button to enter the main MENU.
- In the sub-menus press the ❺ push button to confirm a selection.
- Rotate the ❺ knob to navigate in the main MENU and sub-menus.
- Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knobs ❺ and ❻ to adjust the light mode parameters.
- Display ❼.

> ⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MANUAL OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***MANUAL*** by pressing the ❺ push button.
3. Select the light mode between ***CCT / HSI / RGBW / PRESET / EFFECT / SAVE PRESET*** with the ❺ knob and press the ❺ push button to confirm selection.
4. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
CCT	Light Intensity from 0 to 100%	CT 2800K to 10000K	GN -1.00 to +1.00	-
HSI		HUE 0º to 100º	SAT 0 to 100%	-
RGBW		-	Select function R/G/B/W/CT/GN	Change values of the function
PRESET		-	-	Change Preset

A. CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

B. HSI MODE: Colour composition mode. It allows you to adjust hue of colour (HUE), colour saturation (SAT) and light intensity.

C. RGBW MODE: RGBW colour control mode allows to individually set the R, G, B, W, Color Temperature (CT), green/magenta compensation (GN) values and to adjust light intensity

D. FRGBW MODE: Available only in DMX operation. Same as RGBW but with white color power unlimited. *See **DMX PROTOCOL MANUAL**.*

E. PRESET MODE: Mode with 53 PRESET colors, 48 factory preset and 5 user-defined preset.

1. In MANUAL OPTIONS or DMX MODE menu select ***PRESET MODE***.
2. Select the PRESET to be activated rotate the ❺ button, confirm the selection by pressing the ❺ push button.
3. Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.

SAVING THE SET VALUES AS A PRESET

You can store up to **5 PRESETS**.

1. In MANUAL select ***SAVE PRESET*** by pressing the ❺ push button.
2. Save the set values in one of the available presets between ***USER PRESET 1 / 2 / 3 / 4 / 5*** rotate the ❺ knob to select the PRESET number and press the ❺ push button to confirm the selection. ***THE SET COLOR IS SAVED AS PRESET.***

"BUSY" indicates that in the user preset there are parameters memorized if you select it, the parameters is replaced by the new ones. ***"EMPTY"*** indicates that the user preset is free.

DMX OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***DMX*** with the ❺ knob and press the ❺ push button to confirm selection.
3. Select the light mode between ***CCT / HSI / RGBW / FRGBW / PRESET*** with the ❺ knob and press the ❺ push button to confirm selection.
4. Select the DMX channel, rotating the ❺ knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display ❼ is the selected channel to communicate with the control desk.

1. See ***DMX PROTOCOL MANUAL*** to DMX channel specification**.**

NOTE: The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***BLE,*** press the ❺ push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***DMX ADVANCED,*** press the ❺ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS*** and ***RDM ENABLE,*** press ❺ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❺ push button.
2. Rotate the ❺ knob to choose between ***8bit / 16bit***, press the ❺ push button to confirm the selected setting. *See* ***DMX PROTOCOL MANUAL*****.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❺ push button
2. Rotate the ❺ knob to select the device's behaviour between ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❺ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device is switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.
(See *DMX OPERATION - advanced settings* in the user's manual).

When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in

the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz
HSI	3	1. DIMMER	0 - 255	0 - 100 %
		2. HUE	0 - 255	6500 - 2700
		3. SATURATION	0 ÷ 255	0 ÷ 100%
RGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
FRGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
PRESET	4	1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
		3. PRESET FREEZE	0 - 50	NO FREEZE
			200 ÷ 255	FREEZE

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6/8*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		6. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
HSI	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		4. HUE - byte 2		
		5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. SATURATION - byte 2		

RGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
FRGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
PRESET	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. PRESET - byte 2		
		5. PRESET FREEZE - byte 1	0 - 12800 > NO FREEZE	51200 ÷ 65535 FREEZE
		6. PRESET FREEZE - byte 2		

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color

	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands

Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❺ button, select ***DEVICE SETTINGS***, press the ❺ push button to confirm the selection.
3. Navigate through the ***FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❺ button to select the desired function and press the ❺ push button to confirm the selection.
4. Within each function select the option to be activated and rotate the ❺ button.

Fan: Fan operation. ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** is adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Menu View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/ DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous

intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.

CCT Limit: The colour temperature is limited. ***3200K - 5600K / 2800K - 10000K.***

RESET DEVICE

1. Press the « **OK** » ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❺ button, press the ❺ push button to confirm the selection.
3. Select ***YES*** rotating the ❺ button, press the ❺ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❺ push button.***THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz

BLUETOOTH
Bluetooth Active: OFF

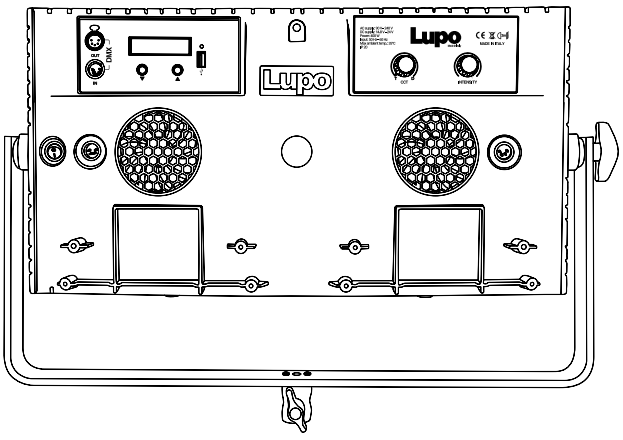
USB PORT

Use USB port for firmware updates.

Update the Firmware

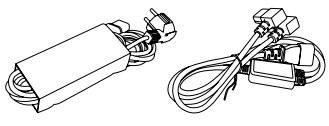
1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

Package Contents for Superpanel 60 and Ultrapanel 60

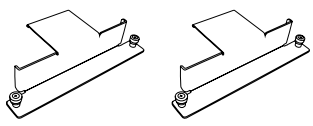


Superpanel 60
Ultrapanel 60

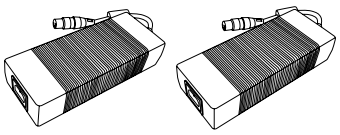
AC Power Cord with
AC Power Cord Splitter



2x AC Adapter Mount-
ing Bracket



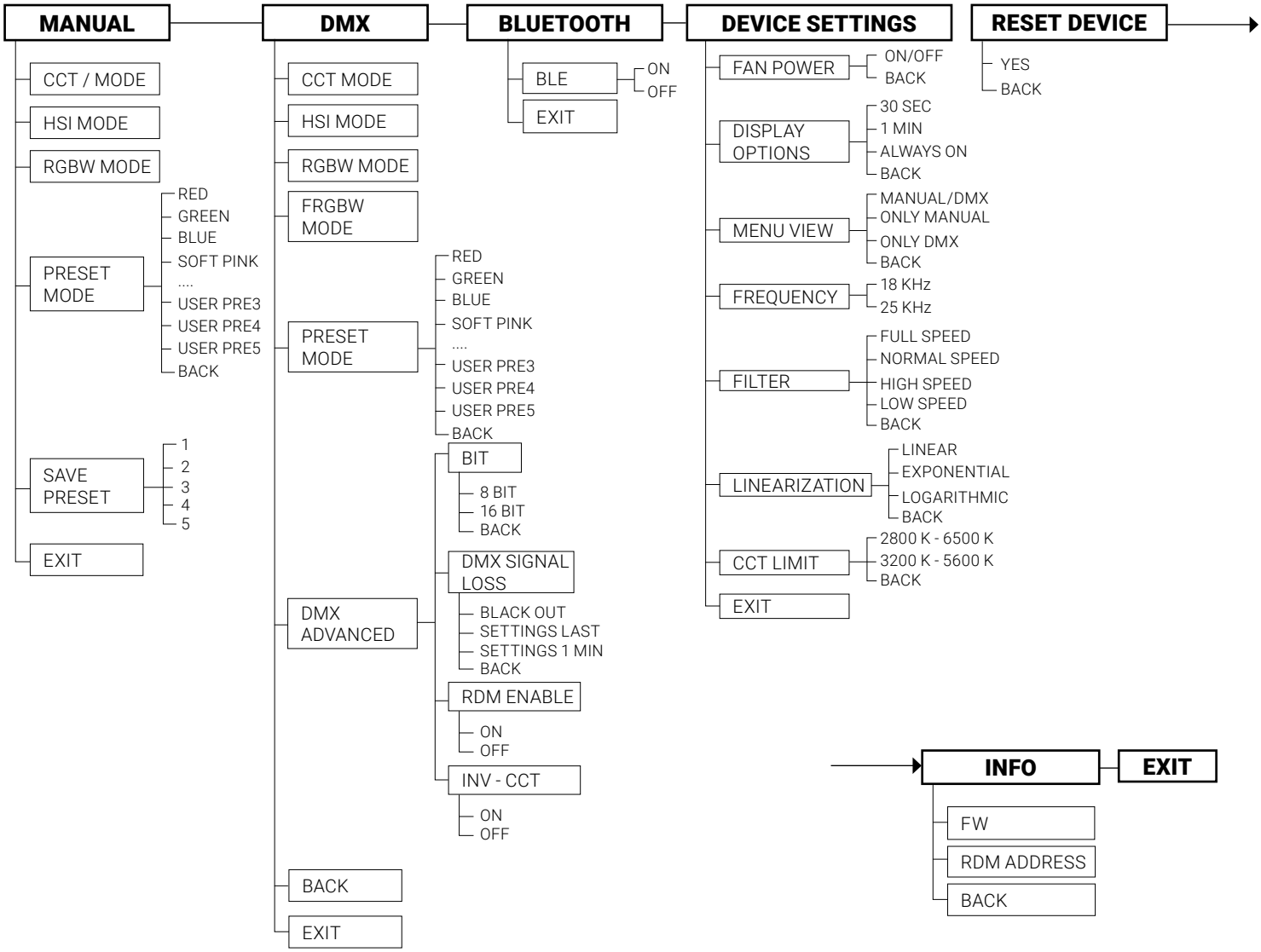
2x AC Adapter
AC input: 100 V - 240 V
DC output: 24 V



⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.



NOTE: Select "EXIT" to return to the current mode. Select "BACK" to return to the previous menu. **After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.**

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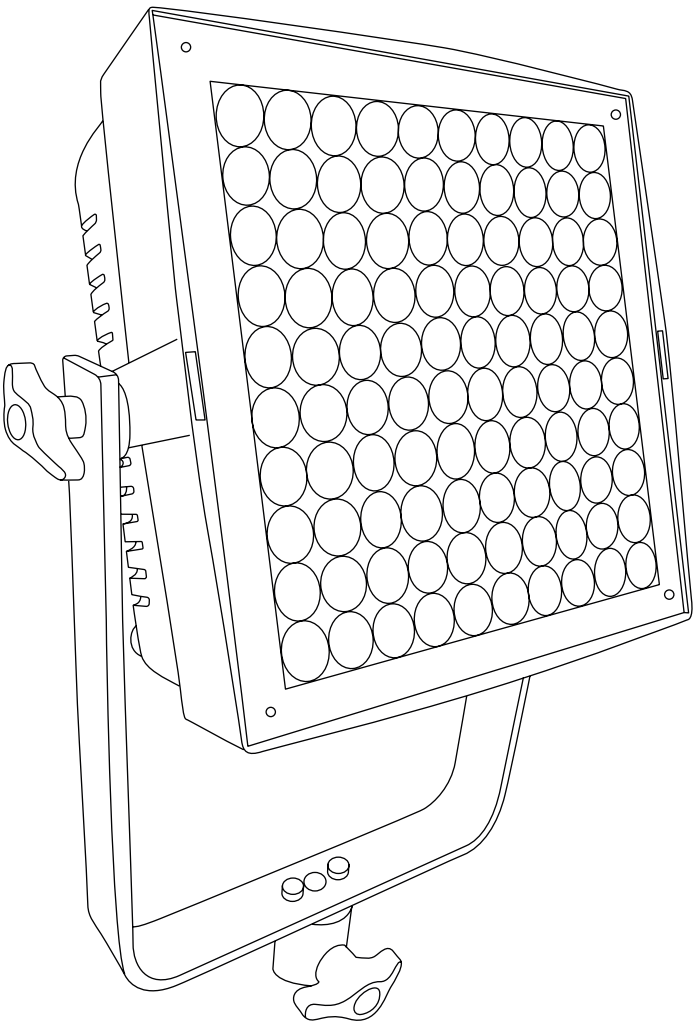
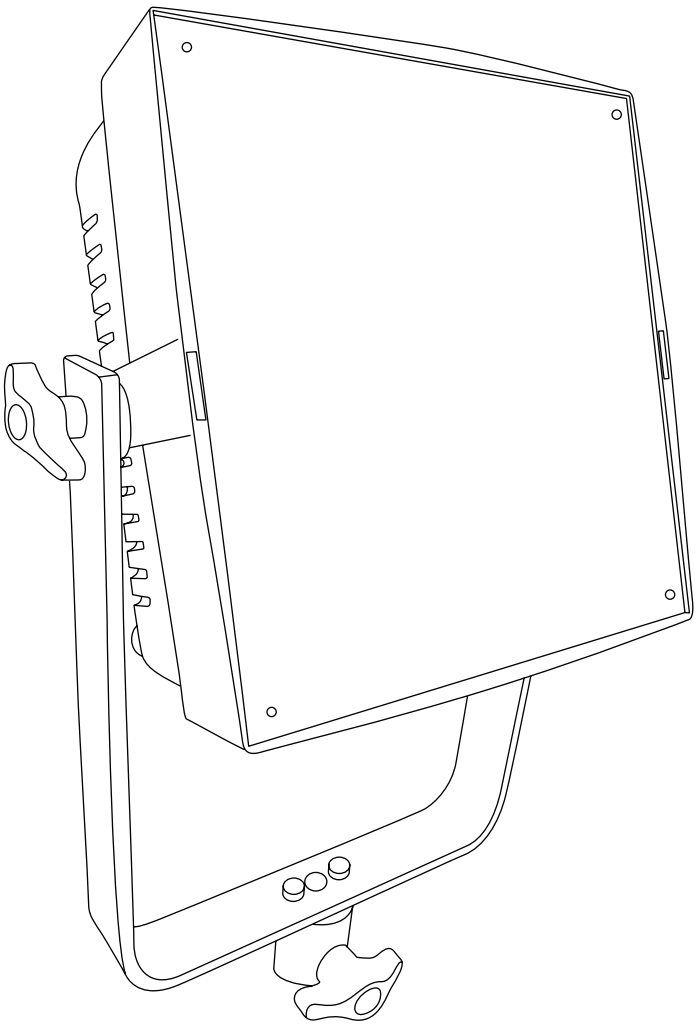




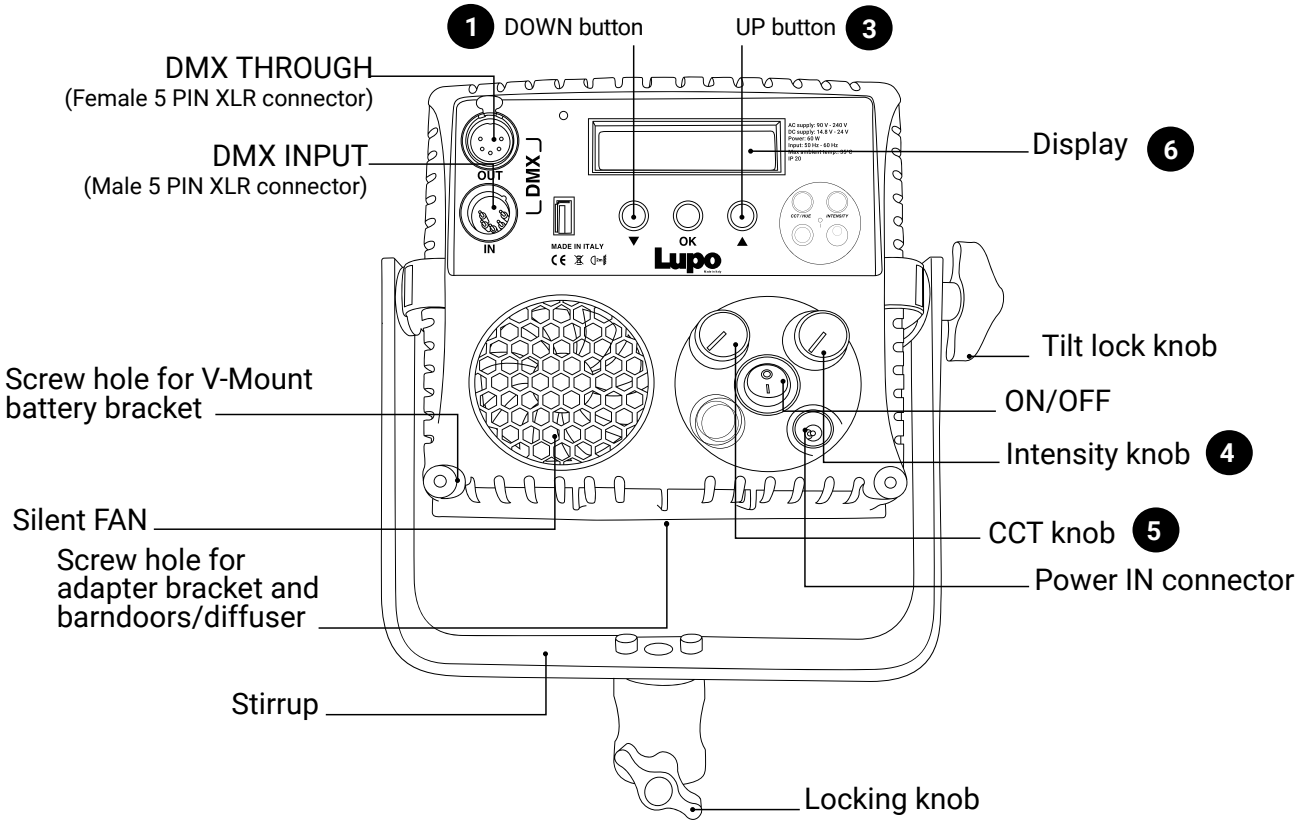
User Manuals

600 Actionpanel Dual Color Hard
603 Actionpanel Dual Color Soft

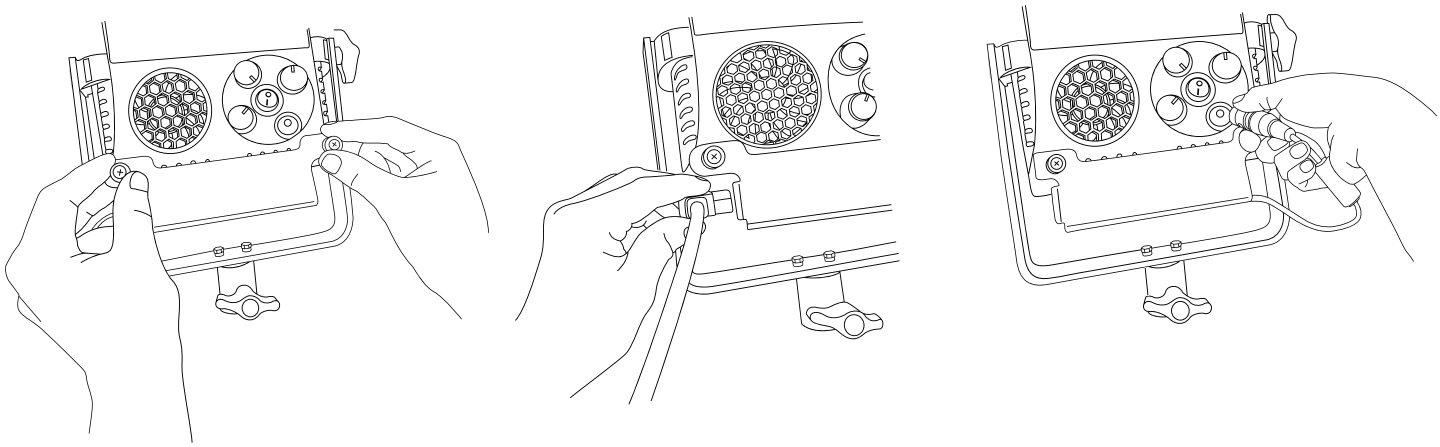
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- Superpanel models are equipped with new generation high quality powerleds.

Getting Started with the Actionpanel



Turning on the Actionpanel



1 Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the ACTIONPANEL fixture.

2 Insert the power cord cable into the AC adapter and connect the fixture to the power plug.

3 Insert the DC connector into the input jack on the ACTIONPANEL and **power on** the fixture.

CONTROL PANEL

- In current mode press the ❺ push button to enter the main MENU.
- In the sub-menus press the ❺ push button to confirm a selection.
- Rotate the ❺ knob to navigate in the main MENU and sub-menus.
- Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knobs ❺ and ❻ to adjust the light mode parameters.
- Display ❼.

> ⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MANUAL OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***MANUAL*** by pressing the ❺ push button.
3. Select the light mode between ***CCT*** with the ❺ knob and press the ❺ push button to confirm selection.
4. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
CCT	Light Intensity	CT 6500 K to 2800 K	GN -1.00 to +1.00	-

CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

1. In MANUAL OPTIONS or DMX MODE menu select ***EFFECT MODE***.
2. Select the EFFECT to be activated with rotate the ❺ button, confirm the selection by pressing the ❺ push button.
3. In current mode, use the « ▼ » ❶ o « ▲ » ❷ button to change the EFFECT in ascending or descending order. ***THE EFFECT ON THE DISPLAY IS THE SELECTED EFFECT.***
4. Use the knobs ❺ and ❹ to adjust the effect setting values. **See table below.**

DMX OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***DMX*** with the ❺ knob and press the ❺ push button to confirm selection.
3. Select the light mode between ***CCT*** with the ❺ knob and press the ❺ push button to confirm selection.
4. Select the DMX channel, rotating the ❺ knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display ❸ is the selected channel to communicate with the control desk.

1. See ***DMX PROTOCOL MANUAL*** to DMX channel specification**.**

> **NOTE:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***BLE,*** press the ❺ push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***DMX ADVANCED,*** press the ❺ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS*** and ***RDM ENABLE*** press ❺ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❺ push button.
2. Rotate the ❺ knob to choose between ***8bit / 16bit***, press the ❺ push button to confirm the selected setting. *See* ***DMX PROTOCOL MANUAL*****.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❺ push button
2. Rotate the ❺ knob to select the device's behaviour between ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❺ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.
(See *DMX OPERATION - advanced settings* in the user's manual).

When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6/8*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700

CCT	6/8*	4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
		5. * STROBE CONTROL - byte 1	0 ÷ 255	0 - 25 Hz
		6. * STROBE CONTROL - byte 2		
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft

	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic

FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❺ button, select ***DEVICE SETTINGS***, press the ❺ push button to confirm the selection.
3. Navigate through the ***FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❺ button to select the desired function and press the ❺ push button to confirm the selection.
4. Within each function select the option to be activated and rotate the ❺ button.

Fan: Fan operation. ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** is adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Menu View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/ DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz

BLUETOOTH
Bluetooth Active: OFF

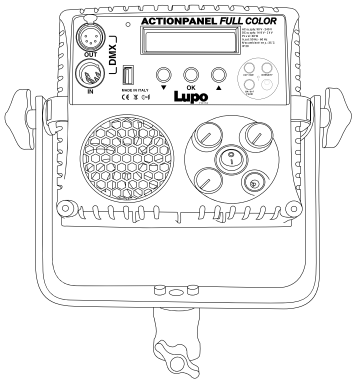
USB PORT

Use USB port for firmware updates.

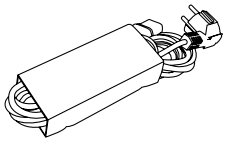
Update the Firmware

1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

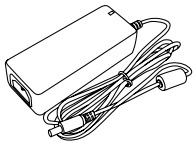
Package Contents for Actionpanel



Actionpanel

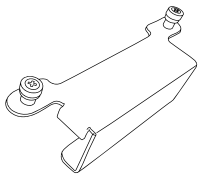


AC Power Cord Cable



AC Adapter *

AC input: 100 V - 240 V DC
output: 24 V

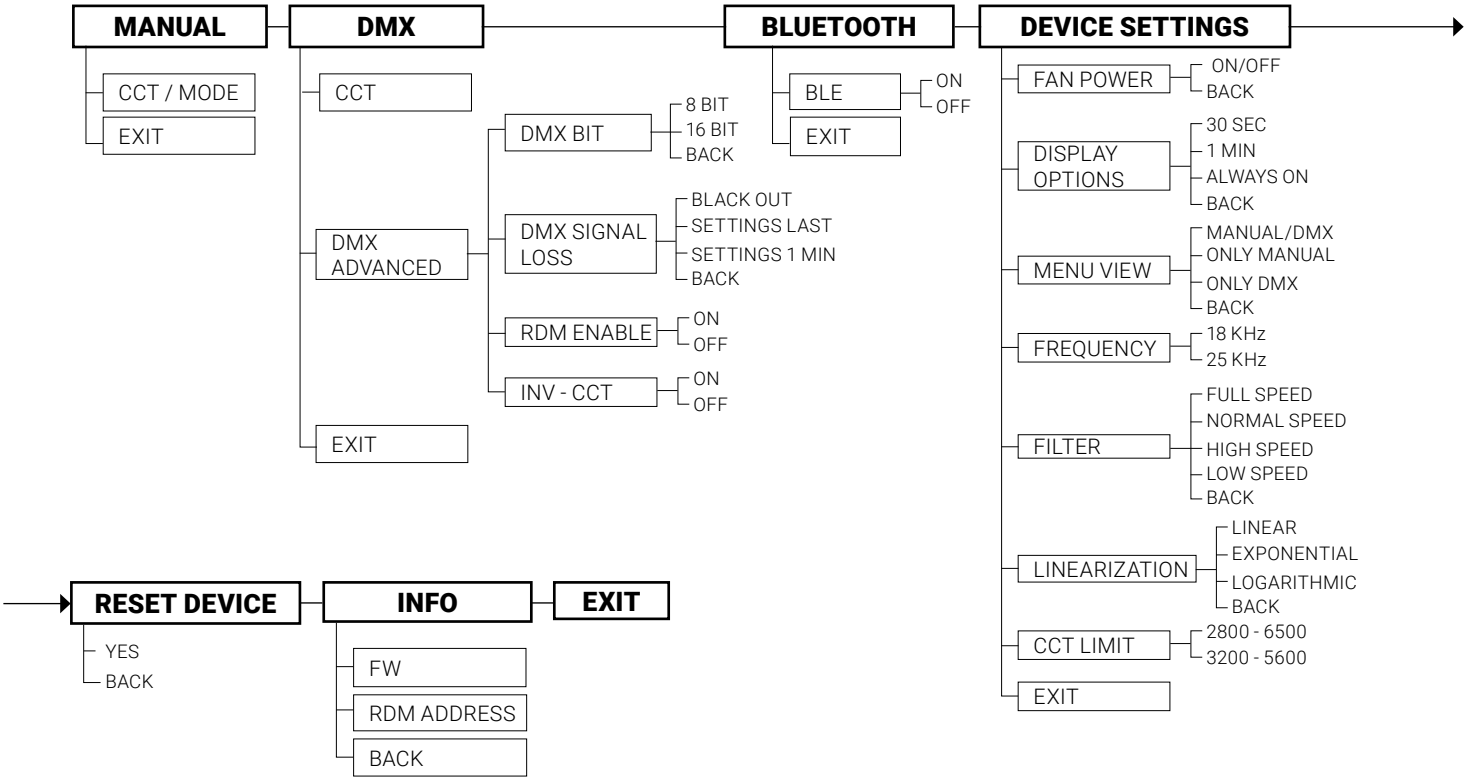


AC Adapter Mounting Bracket

⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

- Select ***"EXIT"*** to return to the current mode.
- Select "***BACK***" to return to the previous menu.



NOTE: *After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.*

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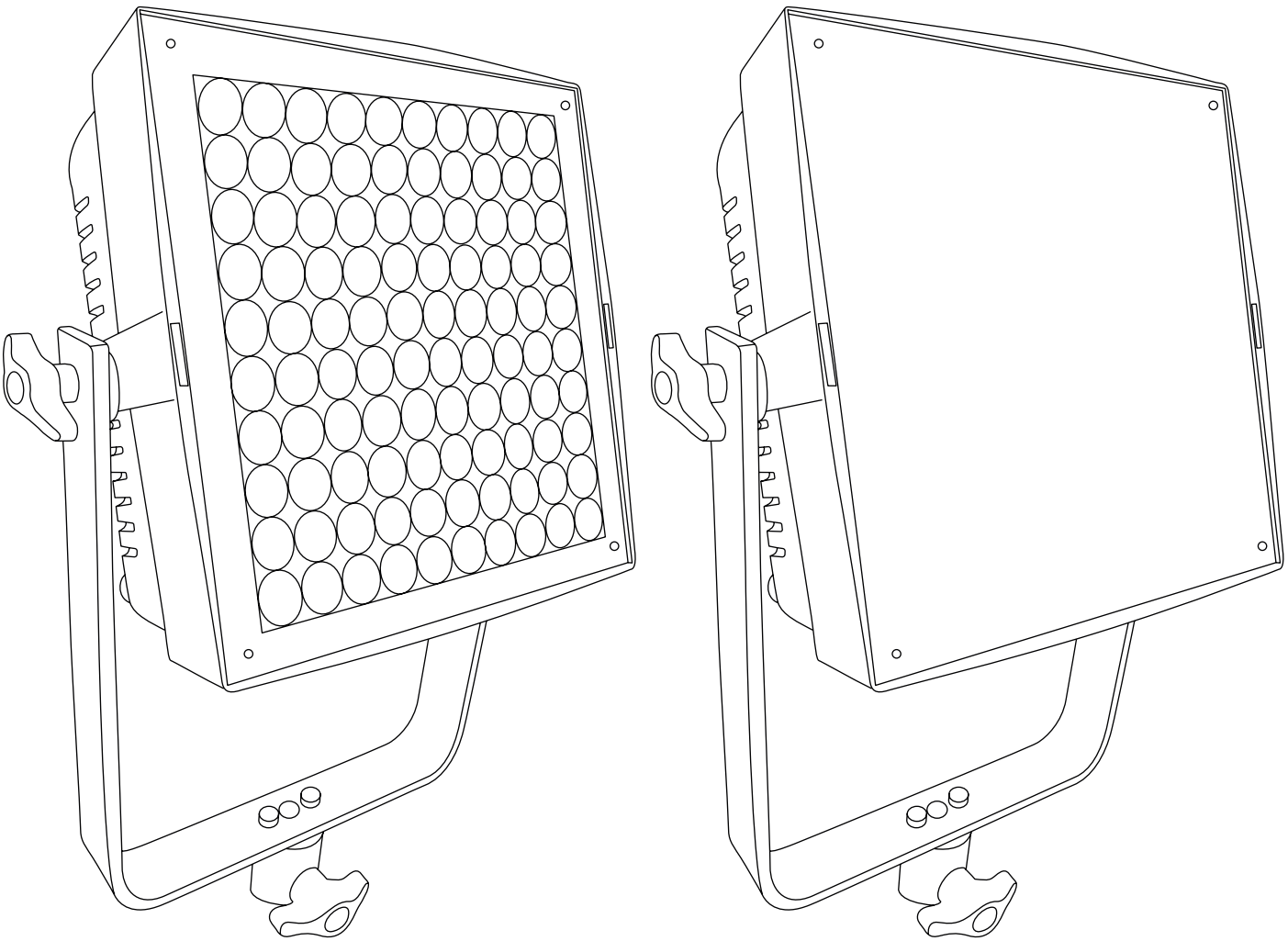


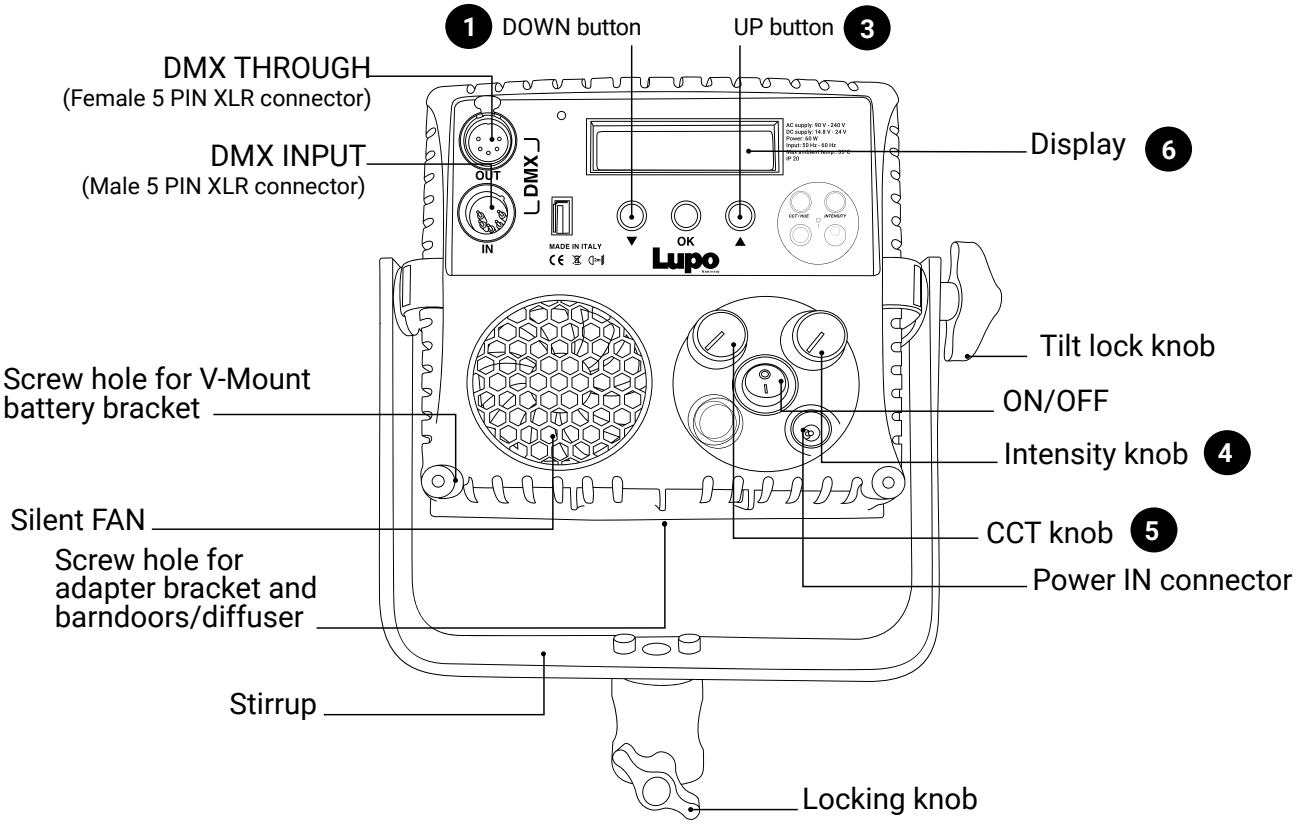
User Manuals

602 Actionpanel Full Color Hard
604 Actionpanel Full Color Soft

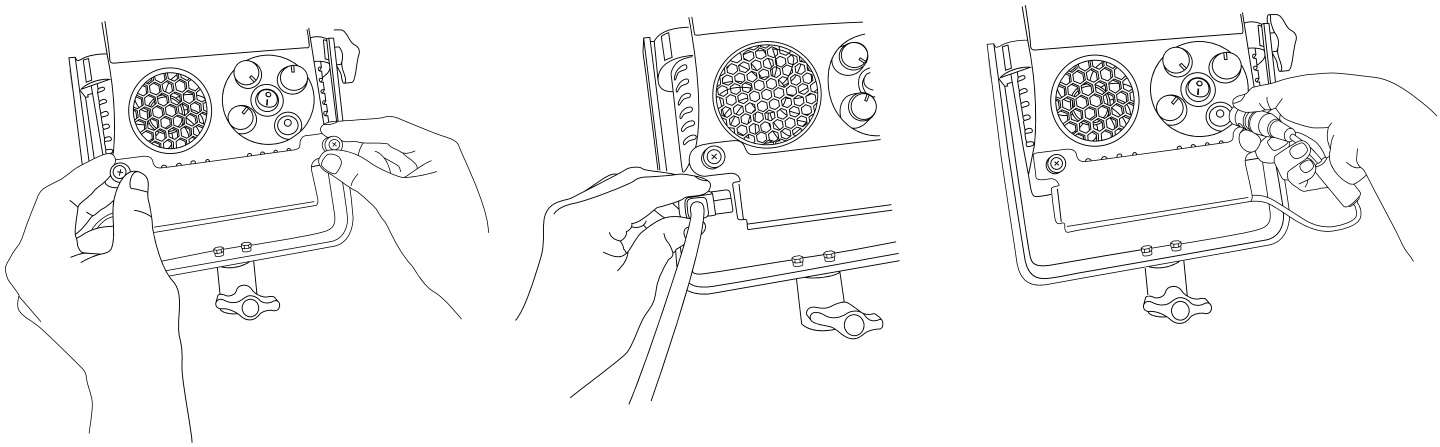
Instructions

- Device for indoor use only.
- Maximum ambient temperature: 40 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- Superpanel models are equipped with new generation high quality powerleds.

Getting Started with the Actionpanel



Turning on the Actionpanel



1 Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the ACTIONPANEL fixture.

2 Insert the power cord cable into the AC adapter and connect the fixture to the power plug.

3 Insert the DC connector into the input jack on the ACTIONPANEL and **power on** the fixture.

CONTROL PANEL

- In current mode press the ❺ push button to enter the main MENU.
- In the sub-menus press the ❺ push button to confirm a selection.
- Rotate the ❺ knob to navigate in the main MENU and sub-menus.
- Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knobs ❺ and ❻ to adjust the light mode parameters.
- Display ❼.

> ⚠ **ATTENTION:** The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MANUAL OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***MANUAL*** by pressing the ❺ push button.
3. Select the light mode between ***CCT / HSI / RGBW / PRESET / EFFECT / SAVE PRESET*** with the ❺ knob and press the ❺ push button to confirm selection.
4. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
CCT	Light Intensity from 0 to 100%	CT 2800K to 10000K	GN -1.00 to +1.00	-
HSI		HUE 0º to 100º	SAT 0 to 100%	-
RGBW		-	Select function R/G/B/W/CT/GN	Change values of the function
PRESET		-	-	Change Preset

A. CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

B. HSI MODE: Colour composition mode. It allows you to adjust hue of colour (HUE), colour saturation (SAT) and light intensity.

C. RGBW MODE: RGBW colour control mode allows to individually set the R, G, B, W, Color Temperature (CT), green/magenta compensation (GN) values and to adjust light intensity

D. FRGBW MODE: Available only in DMX operation. Same as RGBW but with white color power unlimited. *See **DMX PROTOCOL MANUAL**.*

E. PRESET MODE: Mode with 53 PRESET colors, 48 factory preset and 5 user-defined preset.

1. In MANUAL OPTIONS or DMX MODE menu select ***PRESET MODE***.
2. Select the PRESET to be activated rotate the ❺ button, confirm the selection by pressing the ❺ push button.
3. Use the **« INTENSITY »** ❹ knob to adjust the ***light intensity from 0 to 100%***.

SAVING THE SET VALUES AS A PRESET

You can store up to **5 PRESETS**.

1. In MANUAL select ***SAVE PRESET*** by pressing the ❺ push button.
2. Save the set values in one of the available presets between ***USER PRESET 1 / 2 / 3 / 4 / 5*** rotate the ❺ knob to select the PRESET number and press the ❺ push button to confirm the selection. ***THE SET COLOR IS SAVED AS PRESET.***

"BUSY" indicates that in the user preset there are parameters memorized if you select it, the parameters is replaced by the new ones. ***"EMPTY"*** indicates that the user preset is free.

DMX OPERATION

1. Press the ❺ push button to enter the main MENU.
2. Select ***DMX*** with the ❺ knob and press the ❺ push button to confirm selection.
3. Select the light mode between ***CCT / HSI / RGBW / FRGBW / PRESET*** with the ❺ knob and press the ❺ push button to confirm selection.
4. Select the DMX channel, rotating the ❺ knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display ❼ is the selected channel to communicate with the control desk.

1. See ***DMX PROTOCOL MANUAL*** to DMX channel specification**.**

NOTE: The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***BLE,*** press the ❺ push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the main MENU with the ❺ knob and press the ❺ push button to confirm selection.
3. Rotate the ❺ knob to select ***DMX ADVANCED,*** press the ❺ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS*** and ***RDM ENABLE,*** press ❺ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❺ push button.
2. Rotate the ❺ knob to choose between ***8bit / 16bit***, press the ❺ push button to confirm the selected setting. *See* ***DMX PROTOCOL MANUAL*****.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❺ push button
2. Rotate the ❺ knob to select the device's behaviour between ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❺ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device is switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.
(See *DMX OPERATION - advanced settings* in the user's manual).

When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz
HSI	3	1. DIMMER	0 - 255	0 - 100 %
		2. HUE	0 - 255	6500 - 2700
		3. SATURATION	0 ÷ 255	0 ÷ 100%
RGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
FRGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
PRESET	4	1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
		3. PRESET FREEZE	0 - 50	NO FREEZE
			200 ÷ 255	FREEZE

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		6. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00

HSI	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		4. HUE - byte 2		
		5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. SATURATION - byte 2		
RGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
FRGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
PRESET	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. PRESET - byte 2		
		5. PRESET FREEZE - byte 1	0 - 12800 > NO FREEZE	51200 ÷ 65535 FREEZE
		6. PRESET FREEZE - byte 2		

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color

	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands

Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

1. Press the ❺ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❺ button, select ***DEVICE SETTINGS***, press the ❺ push button to confirm the selection.
3. Navigate through the ***FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❺ button to select the desired function and press the ❺ push button to confirm the selection.
4. Within each function select the option to be activated and rotate the ❺ button.

Fan: Fan operation. ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** is adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Menu View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/ DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous

intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.

CCT Limit: The colour temperature is limited. ***3200K - 5600K / 2800K - 10000K.***

RESET DEVICE

1. Press the « **OK** » ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❺ button, press the ❺ push button to confirm the selection.
3. Select ***YES*** rotating the ❺ button, press the ❺ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❺ push button.***THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz

BLUETOOTH
Bluetooth Active: OFF

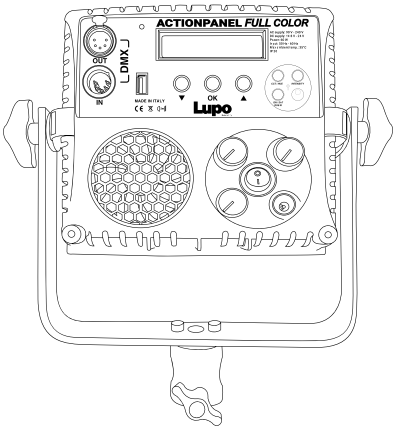
USB PORT

Use USB port for firmware updates.

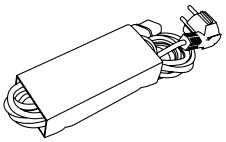
Update the Firmware

1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;
4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

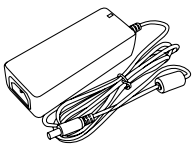
Package Contents for Actionpanel



Actionpanel

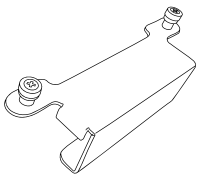


AC Power Cord Cable



AC Adapter *

AC input: 100 V - 240 V DC
output: 24 V

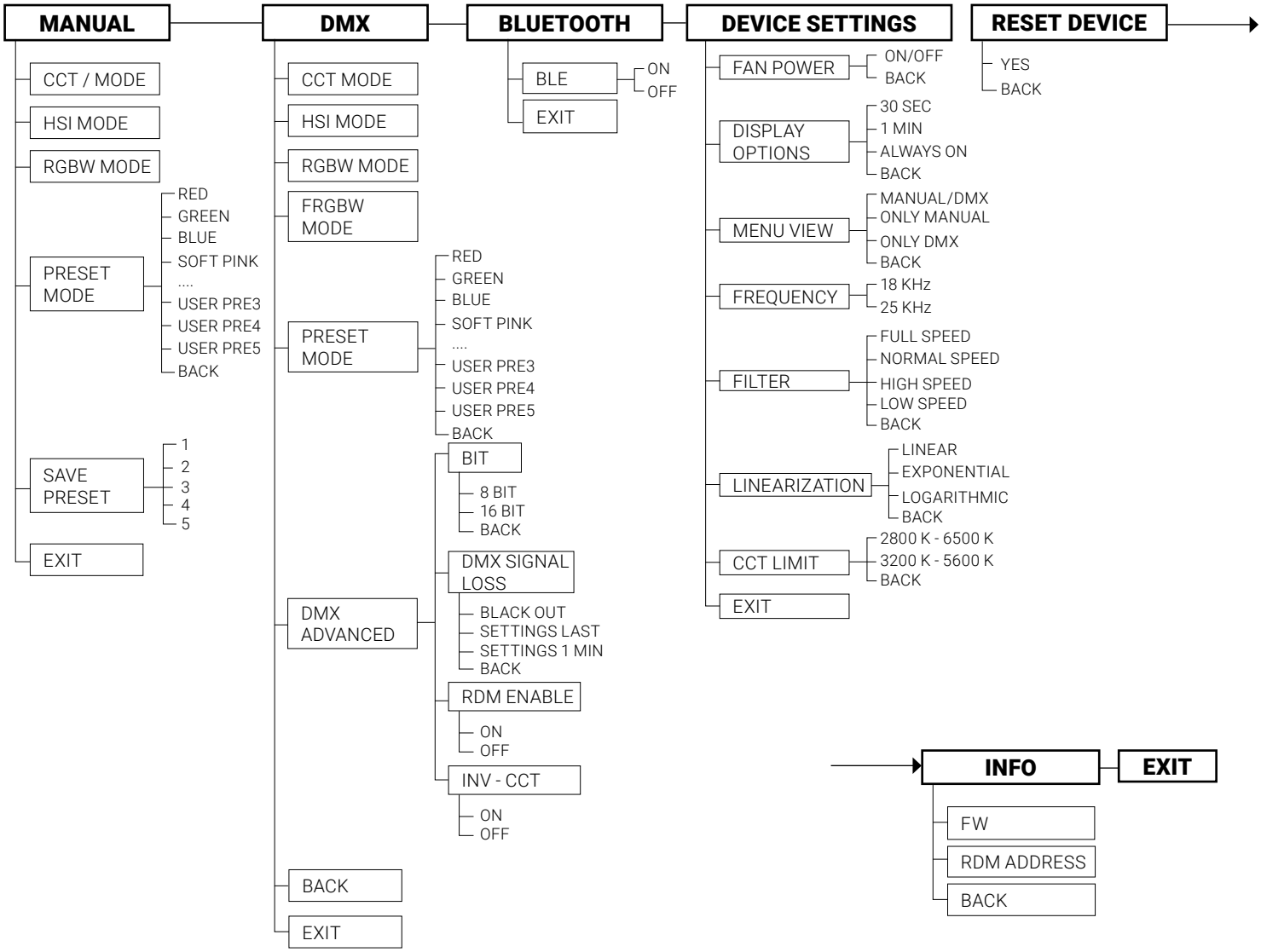


AC Adapter Mounting Bracket

⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

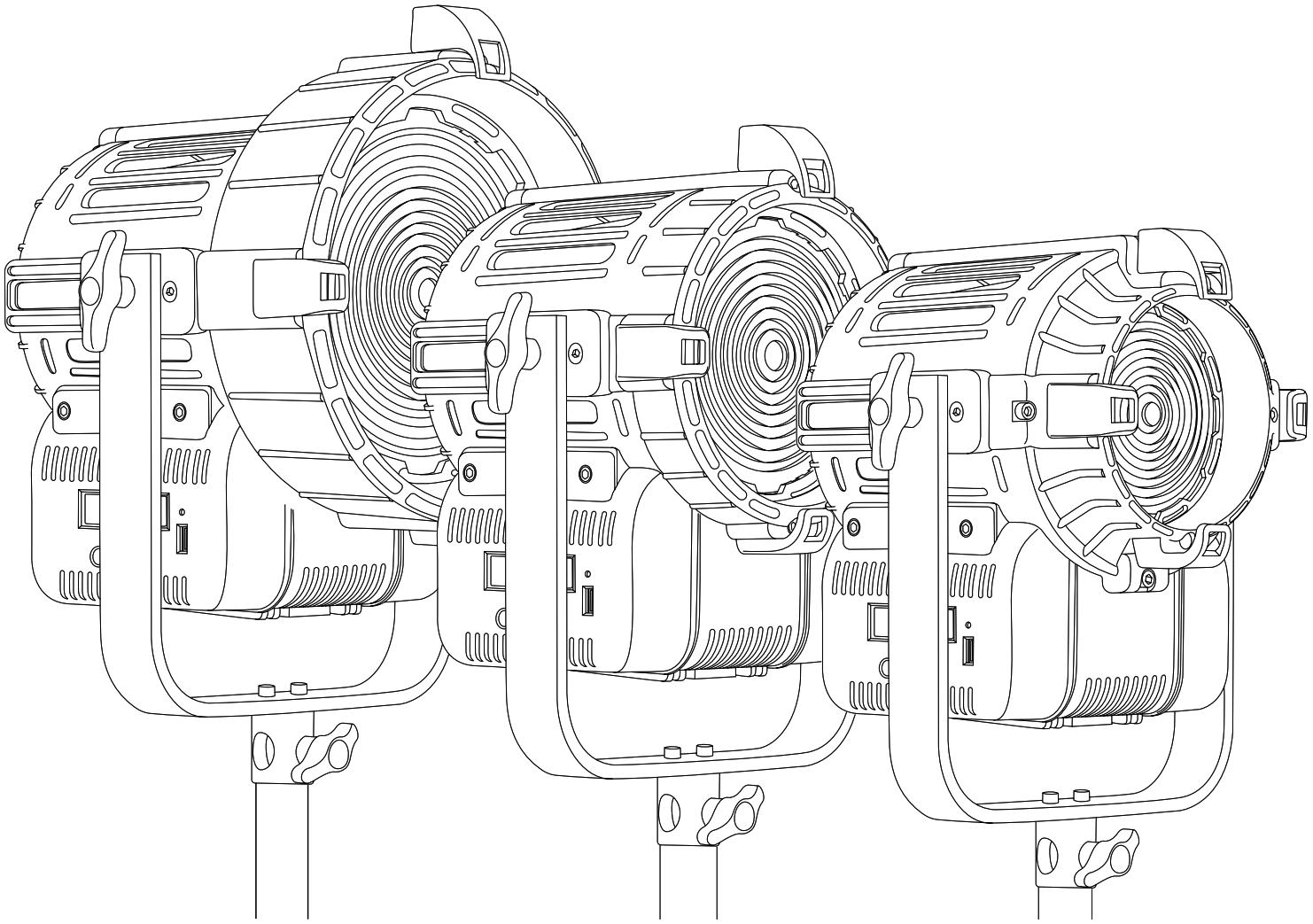
- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.



NOTE: Select “EXIT” to return to the current mode. Select "BACK" to return to the previous menu. **After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.**

Lupo

Made in Italy



User Manuals

DayledPRO 650

300D PRO / 300T PRO / 303 PRO

DayledPRO 1000

301D PRO / 301T PRO / 304 PRO

DayledPRO 2000

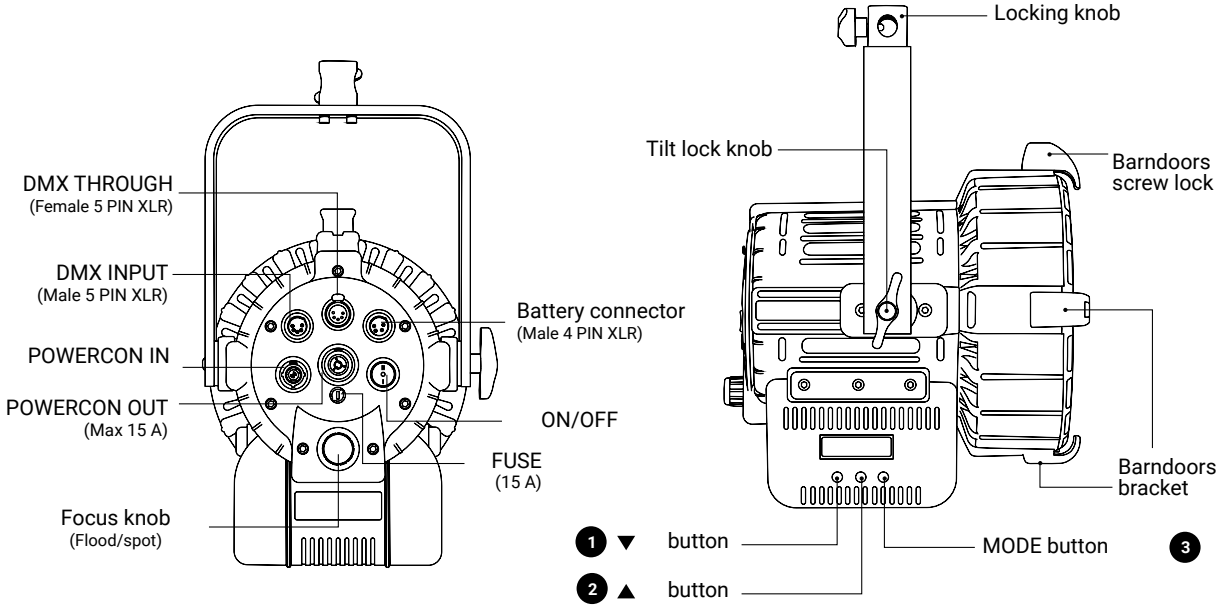
302D PRO / 302T PRO / 305 PRO

Instructions

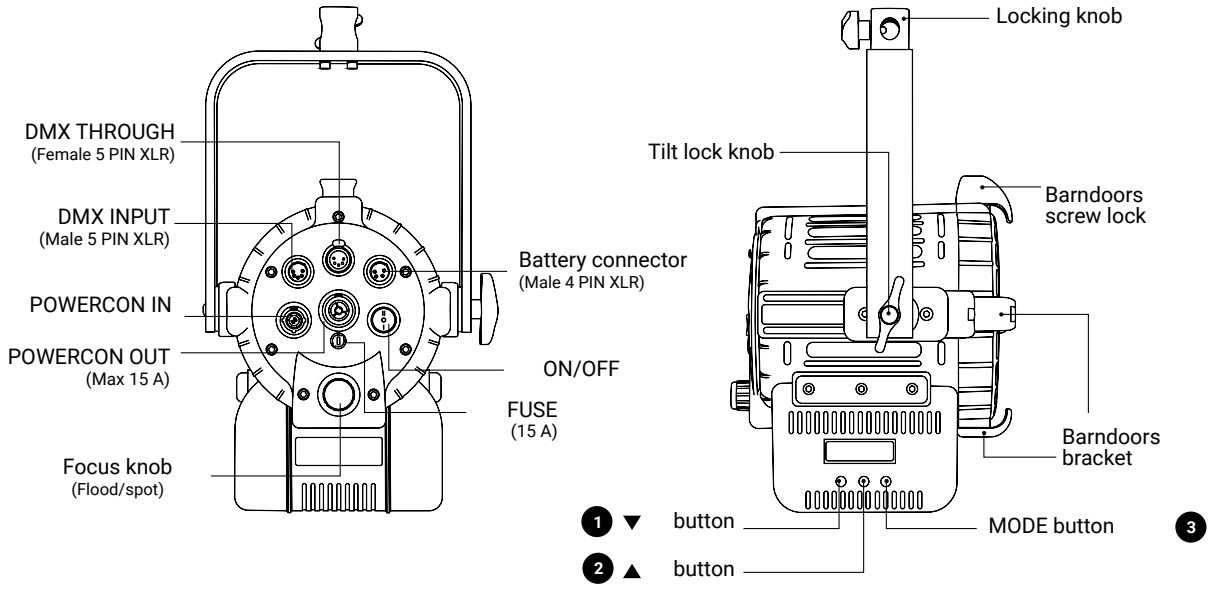
- Max input current for daisy chain: 15 A
- Device for indoor use only.
- Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.
- Dayled 650 and Dayled 1000 models are equipped with new generation high quality LED arrays.
- Dayled 650 PRO is equipped with 60 W single LED array.
- Dayled 1000 PRO is equipped with 110 W single LED array.
- Dayled 2000 PRO is equipped with 220 W single LED array.

Getting Started with the Dayled PRO

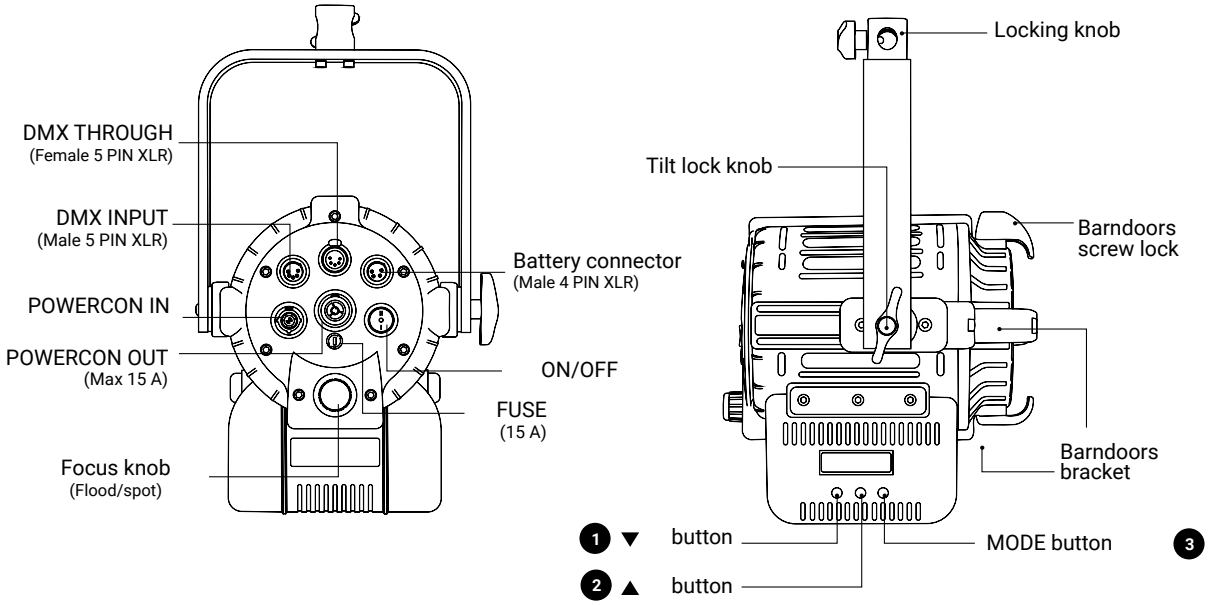
Dayled 2000 PRO



Dayled 1000 PRO



Dayled 650 PRO



MANUAL OPERATION

Press the « **OK** » ❸ button to shift between the functions ***DIMMER***, ***COLOR*, STROBE PAGE, MANUAL*** and ***MENU***. *The indicator « ◂ » shows the selected function.*

- DIMMER: Use the « ▼ » ❶ or « ▲» ❷ buttons to adjust the luminous intensity level from **0 to 100%.**

- COLOR*: *Function available only the Dual Color version*.*
Use the « ▼ » ❶ or « ▲ » ❷ buttons to adjust the color temperature from **2800K to 6500K.**

- In the ***STROBE PAGE*** it is possible to set the ***STROBE*** frequency by pressing « ▼ » ❶ or « ▲ » ❷

ATTENTION: ***STROBE*** frequency = 0 means ***STROBE*** effect **OFF**.

- DMX (ON/OFF):
1. Select ***DMX SEL*** by pressing the ❸ button.
2. Press « ▼ » ❶ or « ▲ » ❷ to activate the functions.

- MENU (ON/OFF):
1. Select ***MENU SEL*** by pressing the button.
2. Press « ▼ » ❶ or « ▲ » ❷ to activate the functions.

DMX OPERATION

Press the **OK** ❸ button to shift between the functions ***DMX ADDRESS, MANUAL*** and ***MENU***. *The indicator « ◂ » shows the selected option.*

- DMX ADDRESS: Press the « ▼ » ❶ or «▲» ❷ buttons to select the DMX channel between **1 to 512.**

- MANUAL:
1. To return to the ***MANUAL OPERATION,*** select ***MANUAL*** by pressing the ❸ button.
2. Press the « ▼ » ❶ or « ▲ » ❷ button to confirm the selection.

ADVANCED FEATURES

Long press the « **OK** » ❸ button to enter the advanced features menu.
1. Use the ❶ or ❷ buttons to navigate between the main MENU options:
MANUAL / DMX / BLUETOOTH / DEVICE SETTINGS / RESET DEVICE / INFO.
2. Use the ❸ button to select an option.

1 MANUAL OPTIONS

1. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between the ***MONOCOLOR / CCT MODE*** and ***EFFECT MODE.***
2. Press the « **OK** » ❸ button to confirm the selection.

**The mode name changes according to the Dayled model (monocolor or dual color).*

2 DMX OPTIONS

1. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between the ***MONOCOLOR / CCT MODE* / ADVANCED MODE.***
2. Press the « **OK** » ❸ button to confirm the selection.

**The mode name changes according to the Dayled model (monocolor or dual color).*

Press the « **OK** » ❸ buttons to select the ***EFFECT***.

1. Use the« » ❶ or « » ❷ buttons to select between ***DMX OPERATION / DMX BIT / DMX SIGNAL LOSS.***
2. Press the« **OK** » ❸ button to confirm the selection.

DMX BIT: Resolution of the DMX control.

1. Press the « **OK** » ❸ button to enter to the ***DMX BIT*** options.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between ***8bit*** or ***16bit.***
3. Press the « **OK** » ❸ button to confirm the selected setting. ***See protocol DMX.***

8bit: 1 channel per function. **16 bit:** 2 channels per function.

DMX SIGNAL LOSS: This allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***DMX SIGNAL LOSS*** item with the ❸ button.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select the device's behaviour between ***BLACK OUT /SETTINGS LAST/ SETTINGS 1min.***
3. Press the « **OK** » ❸ button to confirm the setting.

Black out: The device switches off. **Settings Last:** The values of the last selected setting are maintained over time until the device is switched off. **Settings 1min:** The values of the last selected settings will be maintained for one minute and then the device will switch off.

1. Press the « **OK** » ❸ button to enter the ***DEVICE SETTINGS*** options.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between ***DISPLAY / FILTER / LINEARIZATION***.
3. Press « **OK** » ❸ button to confirm the selection.
4. Within each function select the option to be activated, use the « ▼ » ❶ or « ▲ » ❷ buttons to select one between the options, press « **OK** » ❸ button to activate it.

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1 *	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2 *		
		5. STROBE - byte 1	0 ÷ 2620 2621 ÷ 65535	strobe off -1,00 ÷ +1,00
		6. STROBE - byte 2		

**Channel in use only the Dual Color version.*

*** Only available if enabled in DMX ADVANCED.*

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color

Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

Display: ***30sec / 1min / ALWAYS ON***. Time during which the display backlight stays on.

Menù View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: ***FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.*** It is the speed response of the system (smooth factor).

Linearization: ***LINEAR / EXPONENTIAL / LOGARITHMIC***. Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power (required power = dimmer value on the display).

- Linear: No compensation, the intensity of the light is directly proportional to requested power

- Exponential: The light intensity increases from 0 to 100 exponentially.

- Logarithmic: The light intensity increases from 0 to 100 logarithmically.

CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. To set the factory settings, select ***YES*** by pressign the ❷ button.
2. Press « **OK** » ❸ to confirm the selection.
3. The device will ask for further confirmation, select ***YES*** by pressing the ❷ button.
4. Press « **OK** » ❸ to confirm the selection.

FACTORY SETTINGS: **Mode:** CCT or MONOCOLOR - **DMX:** Off - **Bit:** 8bit - **DMX signal loss:** Settings 1 Min - **Display:** 1 Min - **Filter:** Normal Speed - **Linearization:** Linear

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
CCT LIMIT: 2800K - 10000K
FREQUENCY: 18 KHz

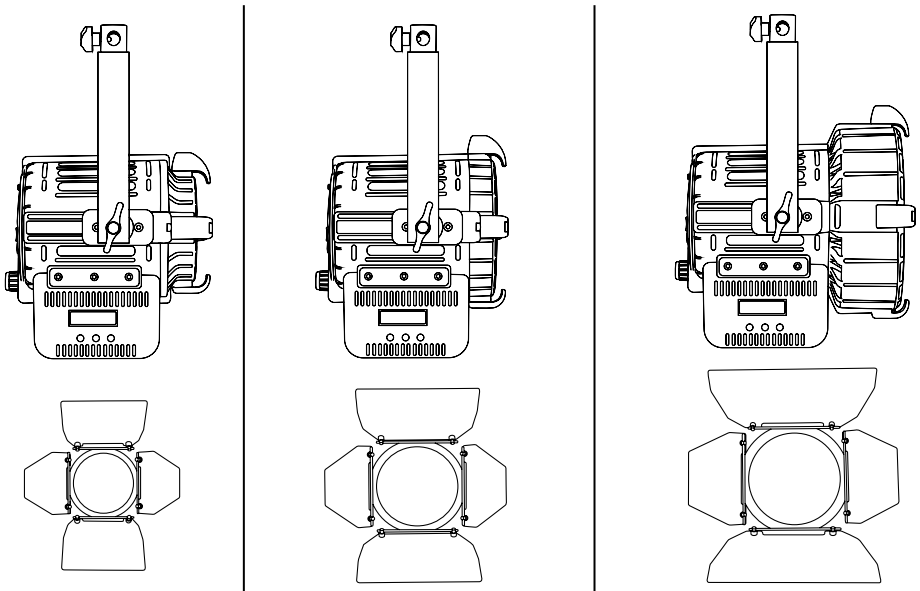
BLUETOOTH
Bluetooth Active: OFF

BLUETOOTH

1. Press the ❸ button four times to enter the main MENU, then press the « ▼ » ❶ or « ▲ » ❷ buttons to enter in the configuration menu.
2. Navigate through the main MENU with the « ▼ » ❶ or « ▲ » ❷ buttons and press the ❸ OK button to confirm the MANUAL option.
3. Use the « ▲ » ❷ button till the BLUETOOTH option, then press the ❸ OK button on the BLE OFF option.
4. Press the ❸ OK button to confirm the selection, then navigate in the menu with the « ▼ » ❶ or « ▲ » ❷ buttons to select the ON option.
5. Press the ❸ OK button to confirm the selection.
6. To return in the main menu, use the « ▼ » ❶ or « ▲ » ❷ buttons till the EXIT option, then press the ❸ OK button to confirm the selection.

Package Contents for Dayled PRO

Dayled model + Barndoors



Dayled 650 | **Dayled 1000** | **Dayled 2000**

⚠ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

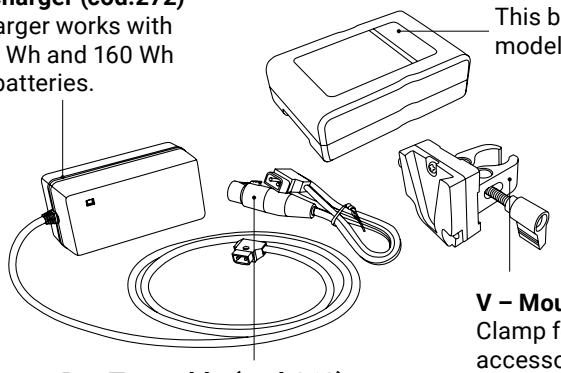
ACCESSORIES

The accessories are products sold separately.

COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLED 650 AND 1000.
The items are also sold separately.

Battery charger (cod.272)
This charger works with Lupo 95 Wh and 160 Wh batteries.

Dayled 650 / 1000
95 Wh battery (cod.271)
Dayled 2000
160 Wh battery (cod.271)
This batteries allows to power all Lupo models with AC/DC functioning.

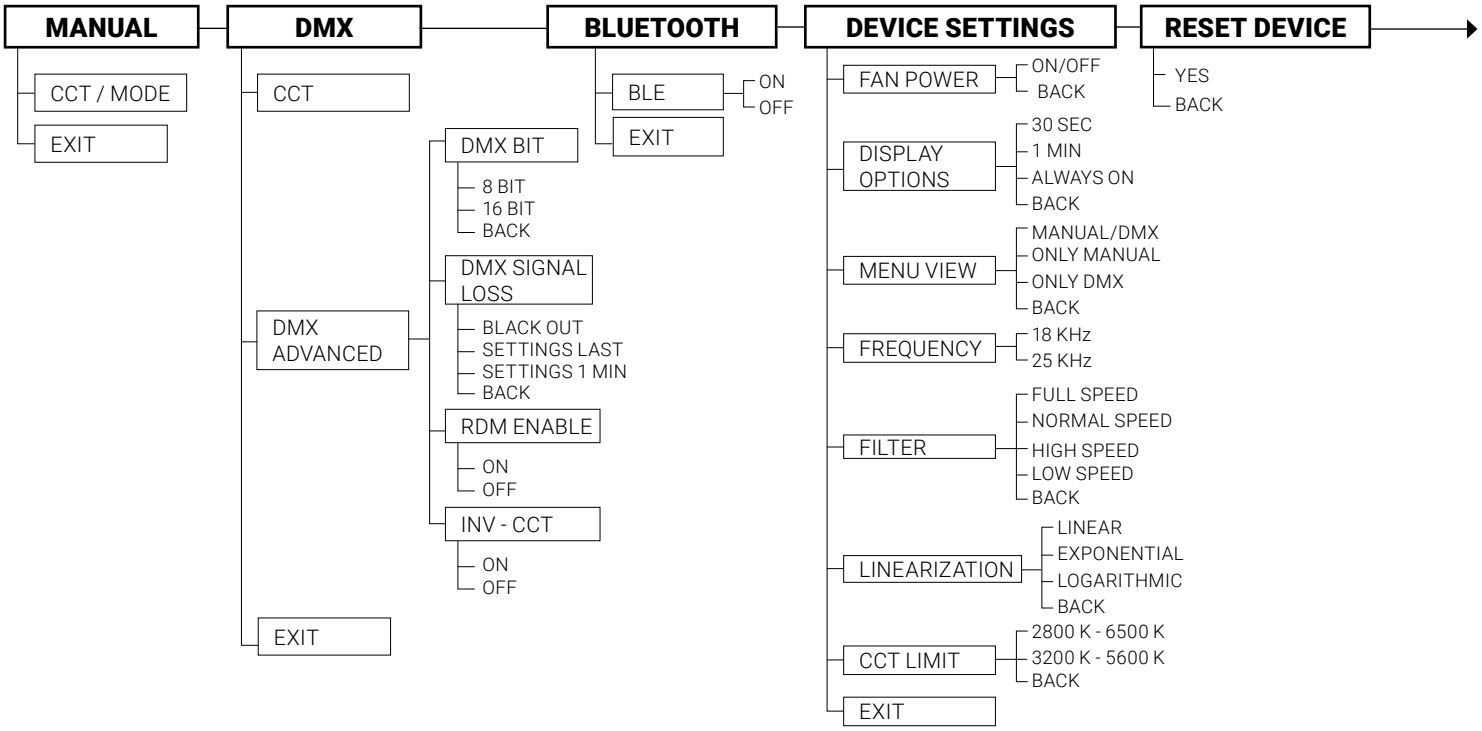


D – Tap cable (cod.313)

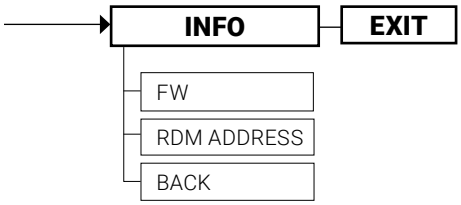
V – Mount clamp (cod.320)
Clamp for stand only is an essential accessory for lithium battery powered equipment. It accepts all standard V-Mount batteries.

MENU e submenus

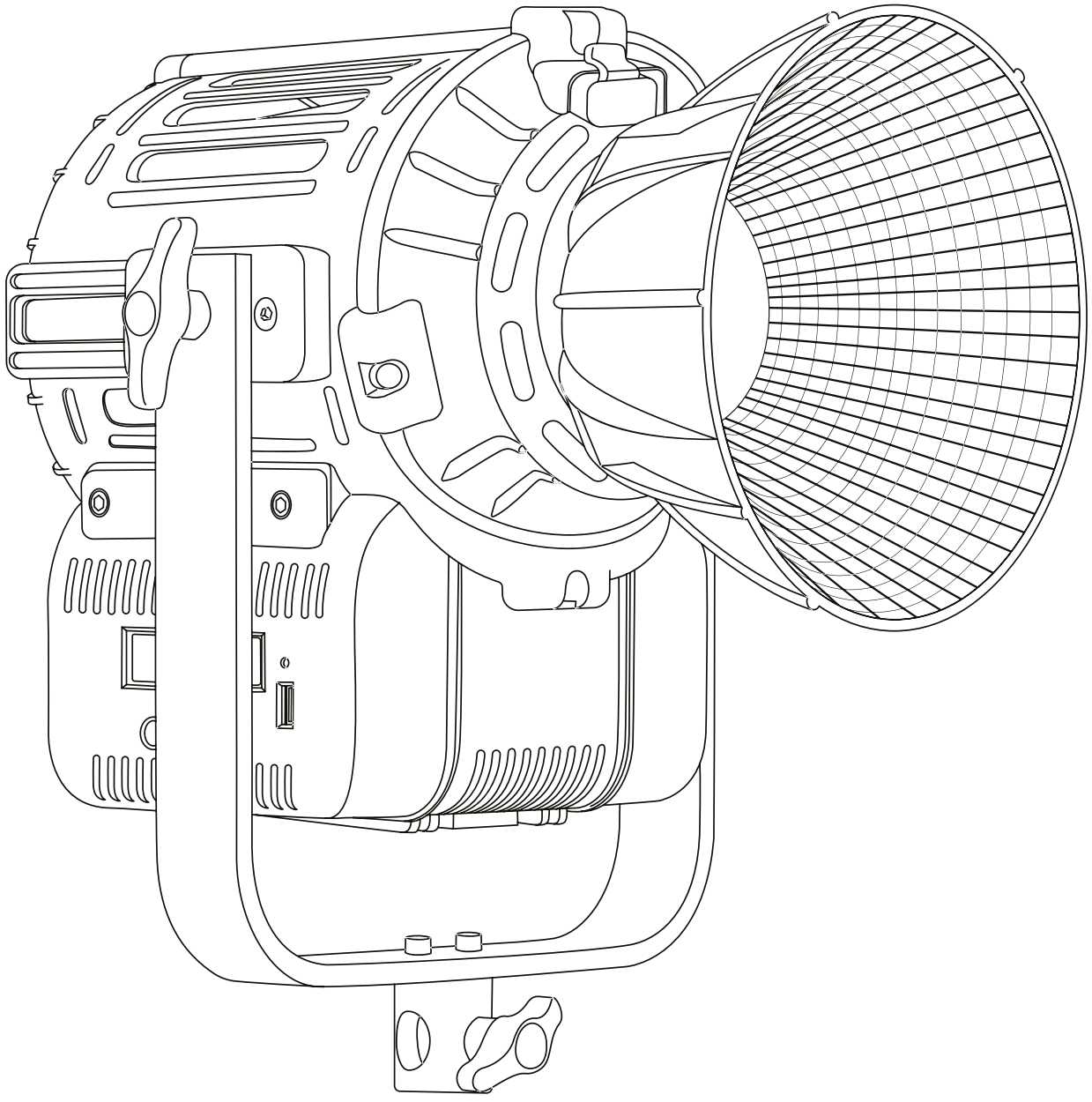
- Select ***"EXIT"*** with the **« OK »** ❸ button to return to the last selected mode.
- Select ***"BACK"***with the **« OK »** ❸ button to return to the previous menu.



NOTE: Select "EXIT" to return to the current mode. Select "BACK" to return to the previous menu. **After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.**



Lupo
Made in Italy



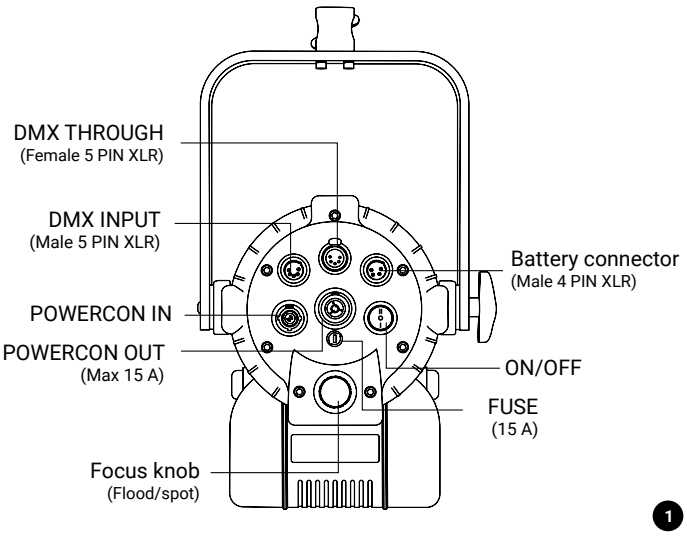
User Manuals

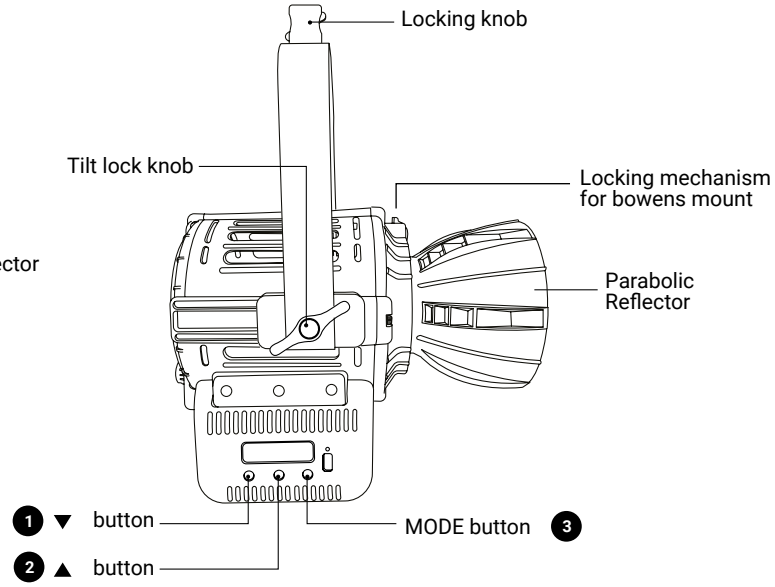
900 MOVIELIGHT 300 PRO
901 MOVIELIGHT 300 DUAL COLOR PRO

Instructions

- Max input current for daisy chain: 15 A
- Device for indoor use only.
- Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.

Getting Started with the Movielight 300





MANUAL OPERATION

Press the « **OK** » ❸ button to shift between the functions ***DIMMER***, ***COLOR*, STROBE PAGE, MANUAL*** and ***MENU***. *The indicator « ◂ » shows the selected function.*

- DIMMER: Use the « ▼ » ❶ or « ▲» ❷ buttons to adjust the luminous intensity level from **0 to 100%.**

- COLOR*: *Function available only the Dual Color version*.*
Use the « ▼ » ❶ or « ▲ » ❷ buttons to adjust the color temperature from **2800K to 6500K.**

- In the ***STROBE PAGE*** it is possible to set the ***STROBE*** frequency by pressing « ▼ » ❶ or « ▲ » ❷

> ⚠ **ATTENTION**: ***STROBE*** frequency = 0 means ***STROBE*** effect **OFF**.

- DMX (ON/OFF):
1. Select ***DMX SEL*** by pressing the ❸ button.
2. Press « ▼ » ❶ or « ▲ » ❷ to activate the functions.

- MENU (ON/OFF):
1. Select ***MENU SEL*** by pressing the button.
2. Press « ▼ » ❶ or « ▲ » ❷ to activate the functions.

DMX OPERATION

Press the **OK** ❸ button to shift between the functions ***DMX ADDRESS, MANUAL*** and ***MENU***. *The indicator « ◂ » shows the selected option.*

- DMX ADDRESS: Press the « ▼ » ❶ or «▲» ❷ buttons to select the DMX channel between **1 to 512.**

- MANUAL:
1. To return to the ***MANUAL OPERATION,*** select ***MANUAL*** by pressing the ❸ button.
2. Press the « ▼ » ❶ or « ▲» ❷ button to confirm the selection.

ADVANCED FEATURES

Long press the « **OK** » ❸ button to enter the advanced features menu.
1. Use the ❶ or ❷ buttons to navigate between the main MENU options:
   MANUAL / DMX / BLUETOOTH / DEVICE SETTINGS / RESET DEVICE / INFO.
2. Use the ❸ button to select an option.

1 MANUAL OPTIONS

1. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between the ***MONOCOLOR / CCT MODE**** and ***EFFECT MODE.***
2. Press the « **OK** » ❸ button to confirm the selection.

**The mode name changes according to the Dayled model (monocolor or dual color).*

2 DMX OPTIONS

1. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between the ***MONOCOLOR / CCT MODE* / ADVANCED MODE.***
2. Press the « **OK** » ❸ button to confirm the selection.

**The mode name changes according to the Dayled model (monocolor or dual color).*

Press the « **OK** » ❸ buttons to select the ***EFFECT***.
1. Use the« » ❶ or « » ❷ buttons to select between ***DMX OPERATION / DMX BIT / DMX SIGNAL LOSS.***
2. Press the« **OK** » ❸ button to confirm the selection.

DMX BIT: Resolution of the DMX control.
1. Press the « **OK** » ❸ button to enter to the ***DMX BIT*** options.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between ***8bit*** or ***16bit.***
3. Press the « **OK** » ❸ button to confirm the selected setting. ***See protocol DMX.***

8bit: 1 channel per function. **16 bit:** 2 channels per function.

DMX SIGNAL LOSS: This allows to choose the device's behaviour in case of a DMX signal loss.
1. Select the ***DMX SIGNAL LOSS*** item with the ❸ button.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select the device's behaviour between ***BLACK OUT /SETTINGS LAST/ SETTINGS 1min.***
3. Press the « **OK** » ❸ button to confirm the setting.

Black out: The device switches off. **Settings Last:** The values of the last selected setting are maintained over time until the device is switched off. **Settings 1min:** The values of the last selected settings will be maintained for one minute and then the device will switch off.
1. Press the « **OK** » ❸ button to enter the ***DEVICE SETTINGS*** options.
2. Use the « ▼ » ❶ or « ▲ » ❷ buttons to select between ***DISPLAY / FILTER / LINEARIZATION***.
3. Press « **OK** » ❸ button to confirm the selection.
4. Within each function select the option to be activated, use the « ▼ » ❶ or « ▲ » ❷ buttons to select one between the options, press « **OK** » ❸ button to activate it.

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1 *	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2 *		
		5. STROBE - byte 1	0 ÷ 2620 2621 ÷ 65535	strobe off -1,00 ÷ +1,00
		6. STROBE - byte 2		

**Channel in use only the Dual Color version.*

*** Only available if enabled in DMX ADVANCED.*

RDM Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor

	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)

Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

DEVICE SETTINGS

Display: ***30sec / 1min / ALWAYS ON***. Time during which the display backlight stays on.

Menù View: Type the main MENU, sub-menus and functions to show. ***ONLY MANUAL / ONLY DMX / MANUAL/DMX.***

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: ***FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.*** It is the speed response of the system (smooth factor).

Linearization: ***LINEAR / EXPONENTIAL / LOGARITHMIC***. Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power (required power = dimmer value on the display).

- Linear: No compensation, the intensity of the light is directly proportional to requested power

- Exponential: The light intensity increases from 0 to 100 exponentially.

- Logarithmic: The light intensity increases from 0 to 100 logarithmically.

CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. To set the factory settings, select ***YES*** by pressign the ❷ button.
2. Press « **OK** » ❸ to confirm the selection.
3. The device will ask for further confirmation, select ***YES*** by pressing the ❷ button.
4. Press « **OK** » ❸ to confirm the selection.

FACTORY SETTINGS: **Mode:** CCT or MONOCOLOR - **DMX:** Off - **Bit:** 8bit - **DMX signal loss:** Settings 1 Min - **Display:** 1 Min - **Filter:** Normal Speed - **Linearization:** Linear

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

DMX OPERATION
MODE: CCT
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
DISPLAY: 1 min
MENU VIEW: Manual/DMX
FILTER : Normal speed
LINEARIZATION: Linear
CCT LIMIT: 2800K - 10000K
FREQUENCY: 18 KHz

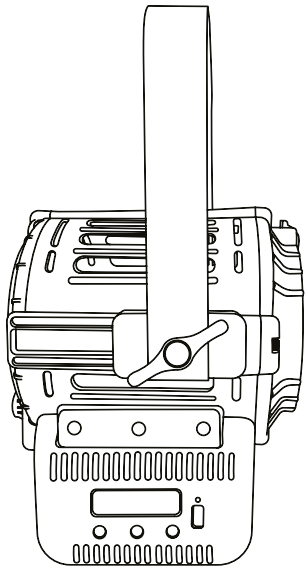
BLUETOOTH
Bluetooth Active: OFF

BLUETOOTH

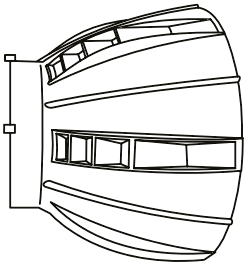
1. Press the ❸ button four times to enter the main MENU, then press the « ▼ » ❶ or « ▲ » ❷ buttons to enter in the configuration menu.
2. Navigate through the main MENU with the « ▼ » ❶ or « ▲ » ❷ buttons and press the ❸ OK button to confirm the MANUAL option.

3. Use the « ▲ » ❷ button till the BLUETOOTH option, then press the ❸ OK button on the BLE OFF option.
4. Press the ❸ OK button to confirm the selection, then navigate in the menu with the « ▼ » ❶ or « ▲ » ❷ buttons to select the ON option.
5. Press the ❸ OK button to confirm the selection.
6. To return in the main menu, use the « ▼ » ❶ or « ▲ » ❷ buttons till the EXIT option, then press the ❸ OK button to confirm the selection.

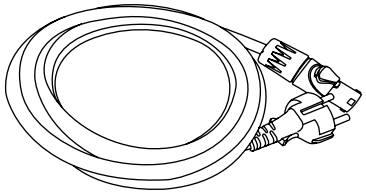
Package Contents for Movielight 300 PRO



Movielight 300 PRO



Parabolic Reflector



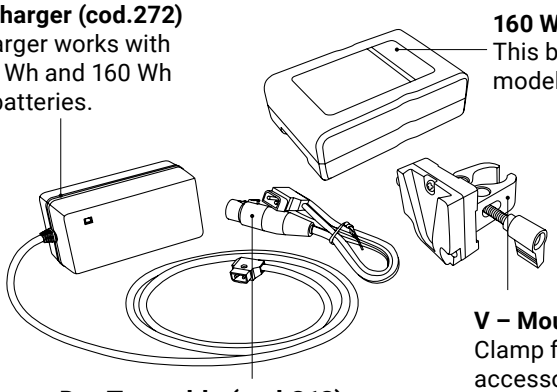
AC Power Cord Cable

⚠ **ATTENTION:** Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR MOVIELIGHT 300
The items are also sold separately.



Battery charger (cod.272)
This charger works with Lupo 95 Wh and 160 Wh batteries.

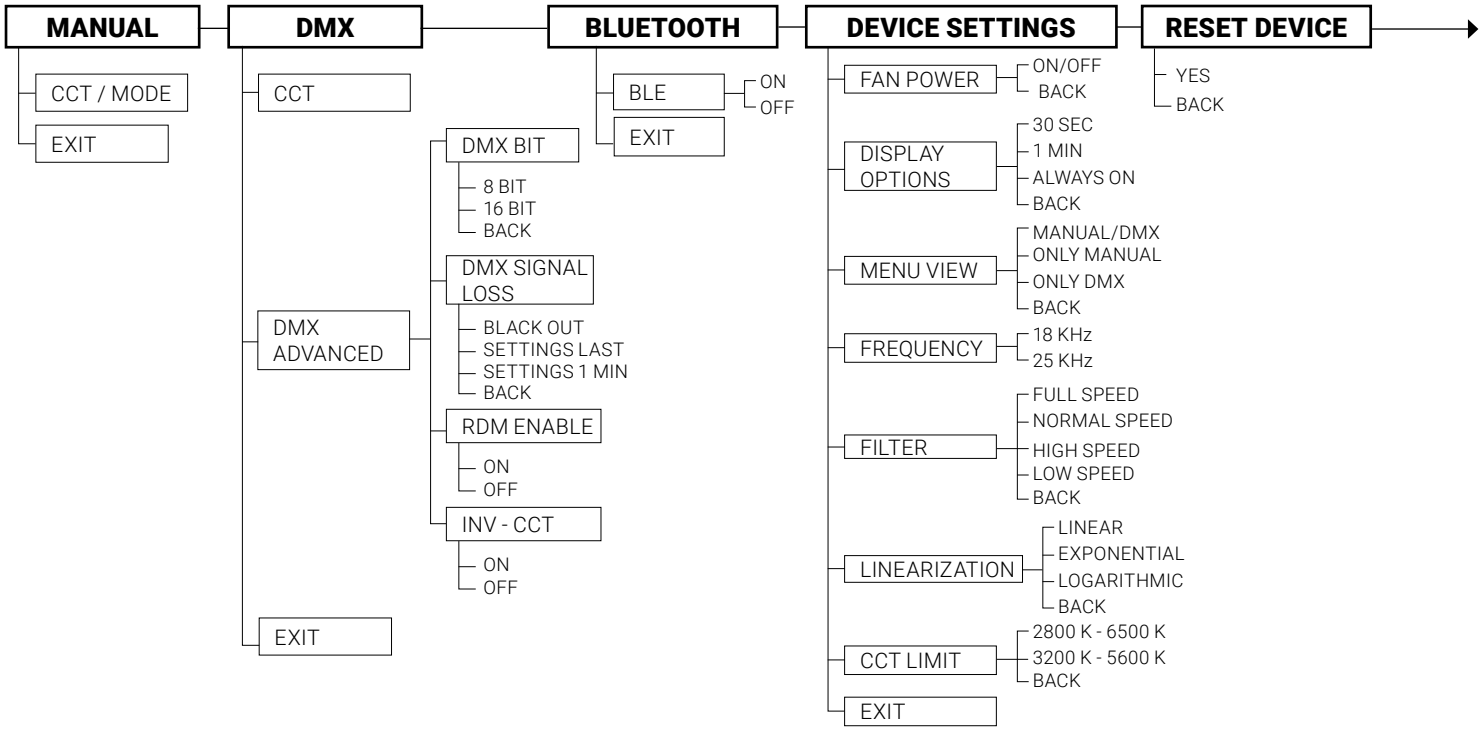
160 Wh battery (cod.271)
This batteries allows to power all Lupo models with AC/DC functioning.

V – Mount clamp (cod.320)
Clamp for stand only is an essential accessory for lithium battery powered equipment. It accepts all standard V-Mount batteries.

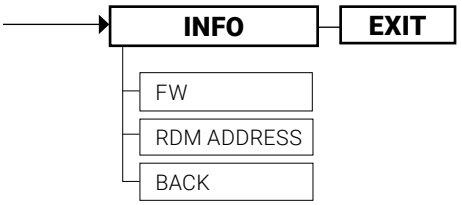
D – Tap cable (cod.313)

MENU e submenus

- Select ***"EXIT"*** with the **« OK »** ❸ button to return to the last selected mode.
- Select ***"BACK"***with the **« OK »** ❸ button to return to the previous menu.

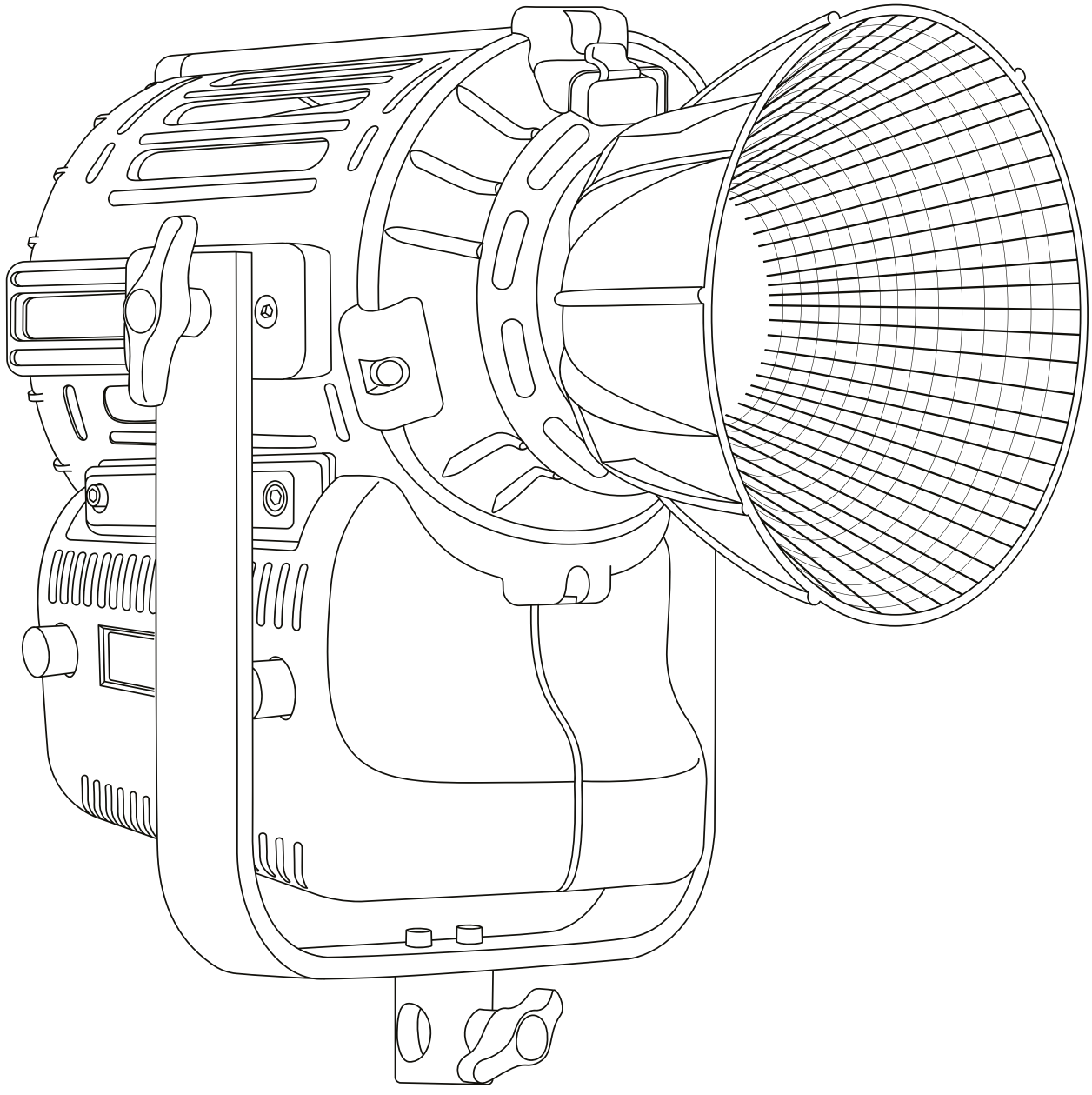


NOTE: Select "EXIT" to return to the current mode. Select "BACK" to return to the previous menu. **After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.**



Lupo

Made in Italy



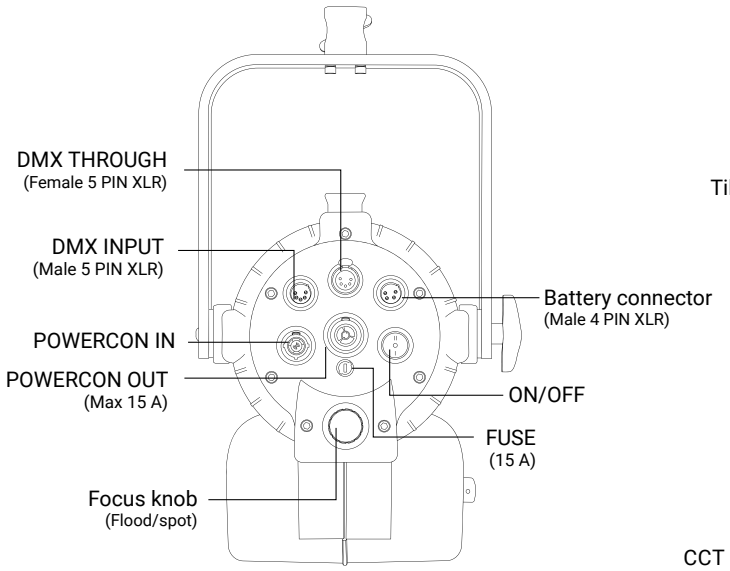
User Manuals

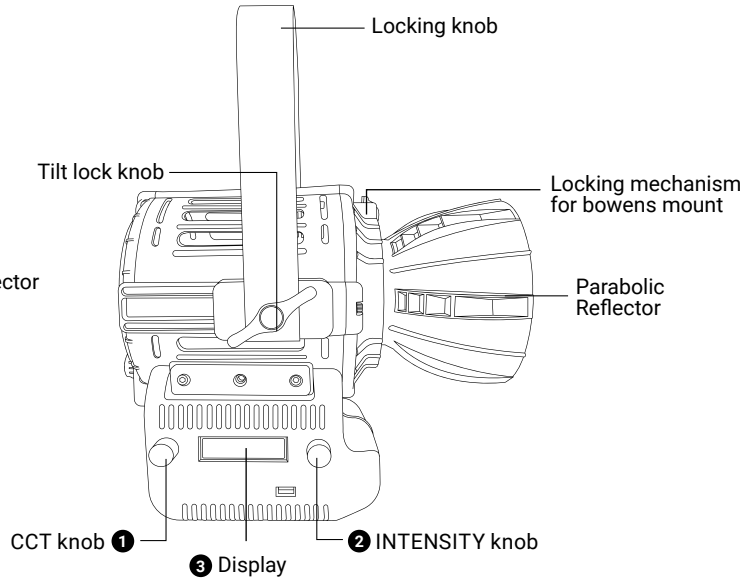
904 MOVIELIGHT 300 FULL COLOR COLOR PRO

Instructions

- Max input current for daisy chain: 15 A
- Device for indoor use only.
- Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended from ceiling.
- To switch on the light push the on/off button.

Getting Started with the Movielight 300





CONTROL PANEL

- In current mode press the ❷ push button to enter the main MENU.
- In the sub-menus press the ❷ push button to confirm a selection.
- Rotate the ❷ knob to navigate in the main MENU and sub-menus.
- Use the « **INTENSITY** » ❷ knob to adjust the ***light intensity from 0 to 100%***.
- Use the knob ❶ to adjust the light mode parameters.
- Display ❸.

> ⚠ **ATTENTION**: The **light intensity** level is adjustable from **0 - 50%** if the **FAN** is **OFF**. The value on the display flashes.

MODE

1. Press the ❷ push button to enter the main MENU.
2. Select ***MODE*** by pressing the ❷ push button.
3. Select the light mode among ***CCT*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select among ***CCT / HSI / RGBW / PRESET / EFFECT / SAVE PRESET*** with the ❺ knob and press the ❺ push button to confirm selection
5. See *LIGHT MODES*.

LIGHT MODES

MODE	INTENSITY ❹	CCT/HUE ❺	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
CCT	Light Intensity from 0 to 100%	CT 2800K to 10000K	GN -1.00 to +1.00	-
HSI		HUE 0º to 100º	SAT 0 to 100%	-
RGBW		-	Select function R/G/B/W/CT/GN	Change values of the function
PRESET		-	-	Change Preset

CCT MODE: Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. *This is the default setting.*

1. In MODE menu select ***EFFECT MODE***.
2. Select the EFFECT to be activated with rotate the ❷ button, confirm the selection by pressing the ❷ push button.
3. Use the knob ❷ to change the DIMMER and the knob ❶ to adjust the effect setting values.

> ⚠ **ATTENTION**: Rotating the ❶ knob changes the CT value- Pressing ❶ button select GN value that can be changed by rotating the same ❶ knob.

DMX OPERATION

1. Press the ❷ push button to enter the main MENU.
2. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
3. Select ***DMX*** with the ❷ knob and press the ❷ push button to confirm selection.
4. Select the DMX channel, rotating the ❶ knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display ❸ is the selected channel to communicate with the control desk.
5. See ***DMX PROTOCOL MANUAL*** for DMX channel specification**.**

> **NOTE:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

BLUETOOTH

1. Press the ❷ push button to enter the main MENU.
1. Select ***CONTROL*** with the ❷ knob and press the ❷ push button to confirm selection.
2. Select ***BLE*** with the ❷ knob and press the ❷ push button to confirm selection.

DMX OPERATION - Advanced Settings

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the main MENU with the ❷ knob until **DEVICE SETTINGS** and press the ❷ push button to confirm selection.
3. Rotate the ❷ knob to select ***DMX ADVANCED,*** press the ❷ push button to confirm selection.
4. Select one of the options among the ***DMX BIT***, ***DMX SIGNAL LOSS, RDM ENABLE, STROBE ENABLE*** and ***INV CCT*** press ❷ push button to confirm the selection.

DMX BIT:

Resolution of the DMX control. 8bit 1 channel per function and 16 bit 2 channels per function.

1. Select the ***DMX BIT*** item by pressing the ❷ push button.
2. Rotate the ❷ knob to choose between ***8bit / 16bit***, press the ❷ push button to confirm the selected setting. *See* ***DMX PROTOCOL MANUAL*****.**

DMX SIGNAL LOSS:

This feature allows to choose the device's behaviour in case of a DMX signal loss.

1. Select the ***LOSS DMX SIGNAL*** item with the ❷ push button
2. Rotate the ❷ knob to select the device's behaviour among ***BLACK OUT /SETTINGS LAST / SETTINGS 1min***, press the ❷ push button to confirm the setting.

Black out: The device switches off.

Settings Last: The values of the last selected setting are maintained over time until the device is switched off.

Settings 1min: The values of the last selected settings is maintained for one minute and then the device switch off.

RDM Enable: ON/OFF, enable/disable RDM Protocol

INV CCT: ON/FF: enable/disable reversal CCT console control

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.
(See *DMX OPERATION - advanced settings* in the user's manual).

When used in **8 bit mode** the panels uses ***one channel for each function***. DMX values for each channel are in the range of 0 to 255. When used in 1**6 bit mode** the panels uses ***two channels for each function***. The increased resolution offers a smooth dimming and a more accurate color adjustment. DMX values for the first channel (byte 1) are in the range of 256 to 65535 while for the second channel (byte 2) they are in the range of 0 to 255.

⚠ **ATTENTION:** The symbol **- ! -** on the display indicates that there is **no DMX signal.**

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2/3*	1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
		3. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz
HSI	3	1. DIMMER	0 - 255	0 - 100 %
		2. HUE	0 - 255	6500 - 2700
		3. SATURATION	0 ÷ 255	0 ÷ 100%
RGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
FRGBW	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00
PRESET	4	1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
		3. PRESET FREEZE	0 - 50	NO FREEZE
			200 ÷ 255	FREEZE
		4. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		6. GN COMPENSATION - byte 2		
HSI	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		4. HUE - byte 2		
		5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. SATURATION - byte 2		
RGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
FRGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2		
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT. - byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT. - byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		14. GN COMPENSATION - byte 2		
PRESET	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. PRESET - byte 2		
		5. PRESET FREEZE - byte 1	0 - 12800 > NO FREEZE	51200 ÷ 65535 FREEZE
		6. PRESET FREEZE - byte 2		

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	1	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color

Personality		**DMX Personality**
	0x01	CCT
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0003	Activate RDM device fo response message
Status collection		
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. “LUPO” is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX512 Setup		
DMX PERSONALITY	0x00E0	DMX mode
DMX PERSONALITY DESCRIPTION	0x00E1	Shows a description of a DMX-Mode, max 32 characters
DMX START ADDRESS	0x00F0	DMX address
Control		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
INV - CCT	0x8009	0: not inverted 1: inverted

BLUETOOTH

1. Press the ❷ push button to enter the main MENU.
2. Navigate through the MENU rotating the ❷ button, select ***DEVICE SETTINGS***, press the ❷ push button to confirm the selection.
3. Navigate through the MENU rotating the ❷ button, select ***GENERAL***, press the ❷ push button to confirm the selection.
4. Navigate through the ***FAN POWER / DISPLAY / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT*** functions, rotating the ❷ button to select the desired function and press the ❷ push button to confirm the selection.
5. Within each function select the option to be activated and rotate the ❷ button.

Fan Power: Fan operation ***ON / OFF.***

When the fan is **OFF** the ***light intensity*** be adjustable between **0 and 50%.**

Display: Time during which the display backlight stays on. ***30sec / 1min / ALWAYS ON***.

Frequency: Dimmer frequency 18 KHz - 25 KHz

Filter: It is the speed response of the system (smooth factor).

FULL SPEED / NORMAL SPEED / HIGH SPEED / LOW SPEED.

Linearization: Linearization is the compensation curve for the human eye's perception of the luminous intensity emitted as a function of the required power. Required power = dimmer value on the display. ***LINEAR / EXPONENTIAL / LOGARITHMIC***.

Linear: No compensation, the intensity of the light is directly proportional to requested power.

Exponential: The light intensity increases from 0 to 100 exponentially.

Logarithmic: The light intensity increases from 0 to 100 logarithmically.
CCT Limit: CCT range 2800 - 6500 or 3200 - 5600

RESET DEVICE

1. Press the « **OK** » ❷ button to enter the main MENU.
2. Select ***RESET DEVICE*** rotating the ❷ button, press the ❷ push button to confirm the selection.
3. Select ***YES*** rotating the ❷ button, press the ❷ push button to confirm the selection.
4. The device ask for further confirmation, select ***YES*** by pressing the press the ❷ push button.***THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.***

FACTORY DEFAULT SETTING

MODE
CCT

DMX OPERATION
BIT: 8 BIT
DMX SIGNAL LOSS: Settings 1 MIN
RDM ENABLE: OFF
INV - CCT: OFF

DEVICE SETTINGS
FAN: ON
DISPLAY: 1 min
FILTER : Normal speed
LINEARIZATION: Linear
FREQUENCY: 18 KHz

CONTROL
Manual

USB port

Use USB port for firmware updates.

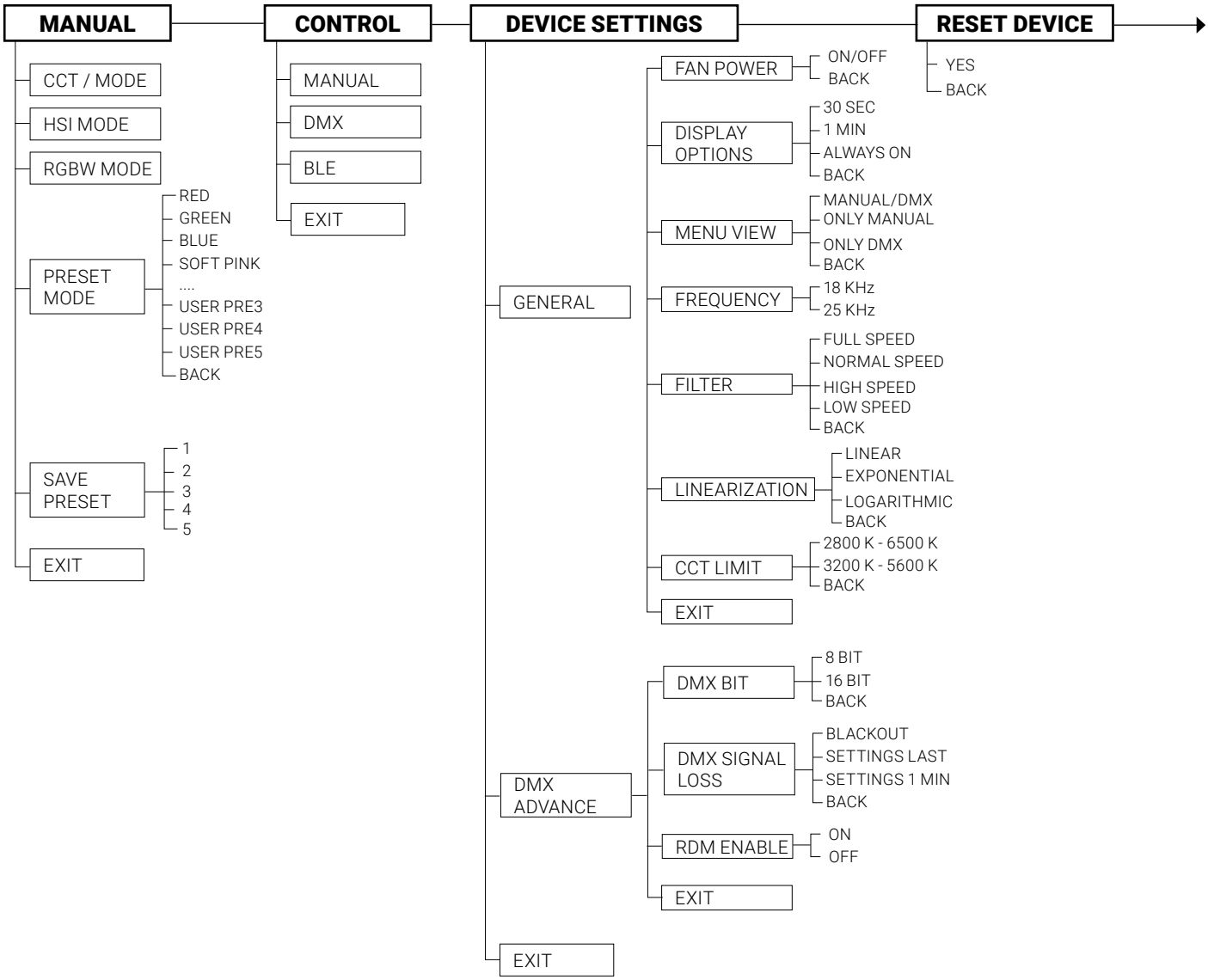
Update the Firmware

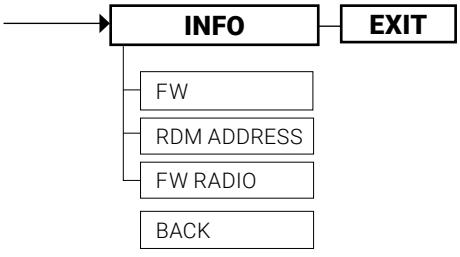
1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
2. Switch off the equipment and insert the USB Pendrive;
3. Switch on the equipment;

4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
5. Switch off the equipment;
6. Extract the Pendrive and switch on the equipment: the firmware is updated.

MENU e submenus

- Select ***"EXIT"*** to return to the current mode.
- Select ***"BACK"*** to return to the previous menu.





NOTE: Select "EXIT" to return to the current mode. Select "BACK" to return to the previous menu. **After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.**