

Release 8.xx

HyperpanelPRO 30 / 60

UltrapanelPRO 30 / 60

Full Color / Dual Color

SuperpanelPRO 30 / 60

Full Color / Dual Color

ActionpanelPRO

Full Color / Dual Color

DayledPRO

DayledPRO 650 / Dual Color 650 / Full Color 650
DayledPRO 1000 / Dual Color 1000 / Full Color 1000
DayledPRO 2000 / Dual Color 2000 / Full Color 2000
DayledPRO 3000 / Dual Color 3000 / Full Color 3000

MovielightPRO

Monocolor / Dual Color / Full 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 RISKDo 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 făulty 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 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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Battery Operation

All Lupo products can be operated with 14 V or 26 V batteries.

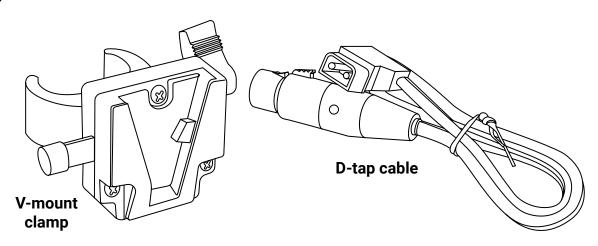
Lupo lights work at 50% brightness with 14 V batteries.

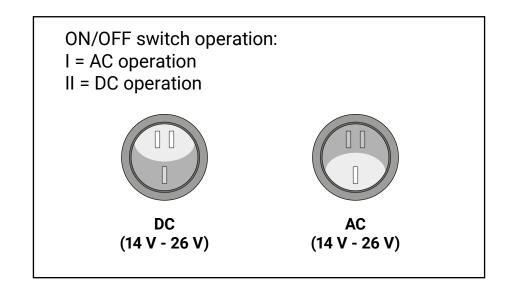
Lupo lights work at 100% brightness at 26 V batteries.

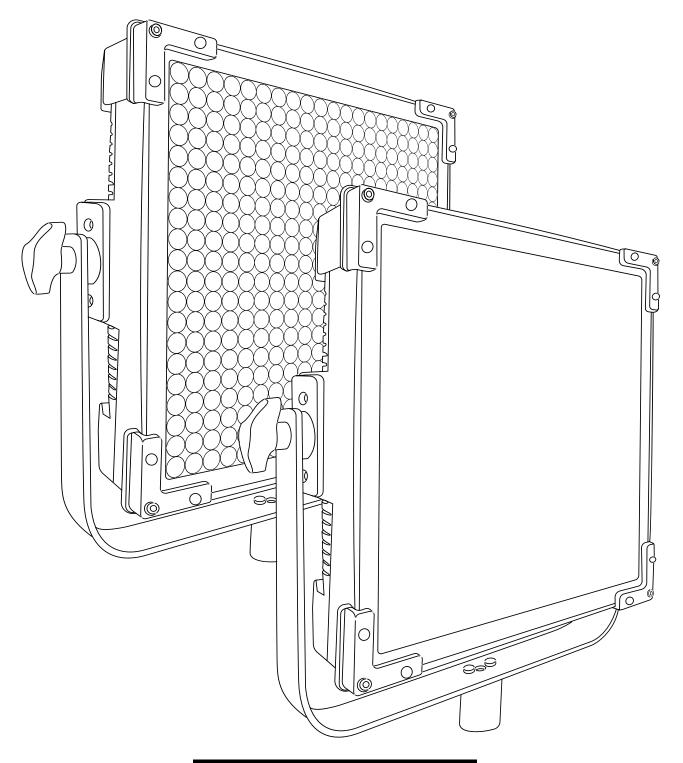
Minimum specifications:

- 1. 14 V, 160 Wh
- 2. 26 V, 230 Wh

Battery accessories:







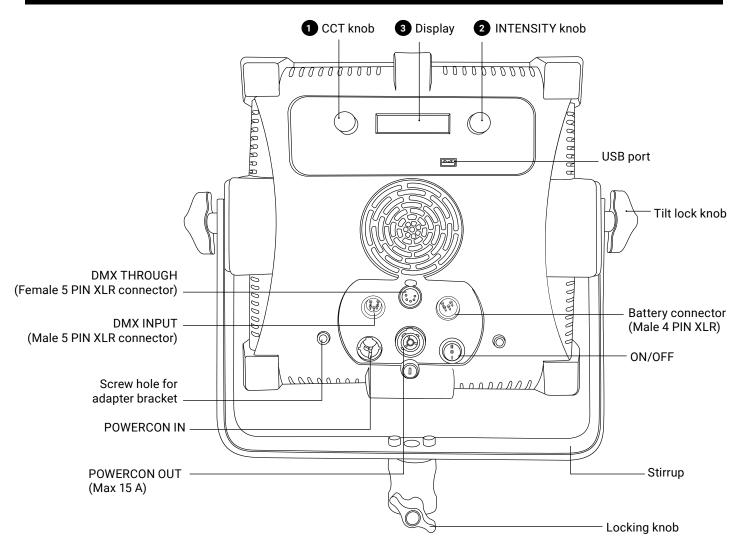
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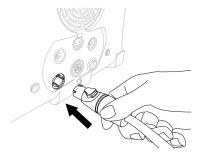
Instructions

- · 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, UltrapanelPRO and HyperpanelPRO models are equipped with new generation high quality powerleds.

Getting Started with the 30 panels



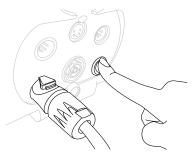
Turning on the 30 panels



1 Insert the POWERCON



2 Rotate it by 15° until makes a click



Turn ON the power switch: 0: OFF

I : AC power II : Battery power

CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 2 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 16 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	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	2 *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz	

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 00000	
CCT	4/6*	3. COLOR TEMPERATURE - byte 1	0 65505	6500 0700
CC1		4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color

	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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				
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		
PRESET	0x800A	select preset number		

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

FACTORY DEFAULT SETTING

MODE DEVICE SETTINGS

CCT DISPLAY: 1 min

DMX OPERATIONFILTER: Normal speedBIT: 8 BITLINEARIZATION: Linear

DMX SIGNAL LOSS: Settings 1 MIN FREQUENCY: 18 KHz

RDM ENABLE: OFF
INV - CCT: OFF CONT

CONTROL Manual

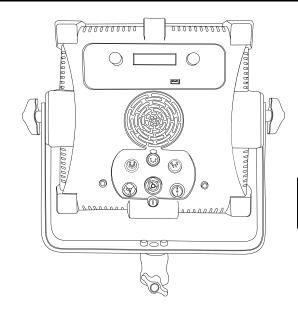
USB PORT

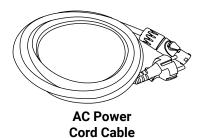
Use USB port for firmware updates.

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, UltrapanelPRO 30 and HyperpanelPRO 30

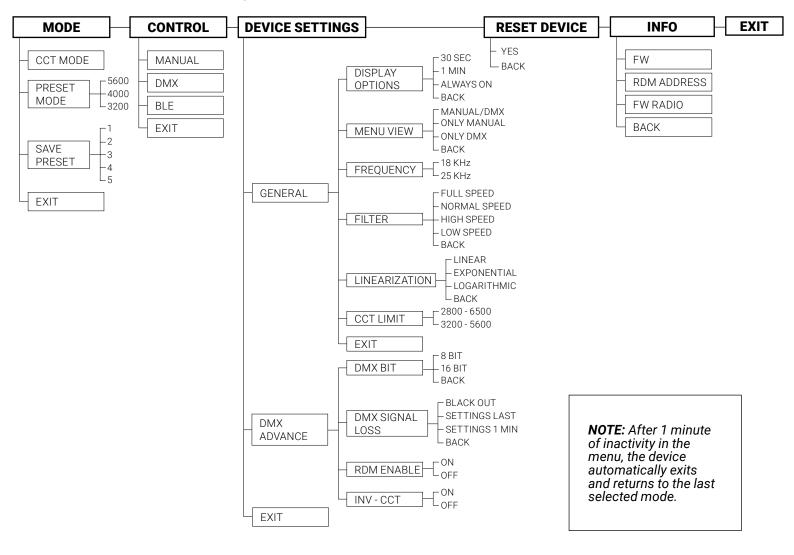


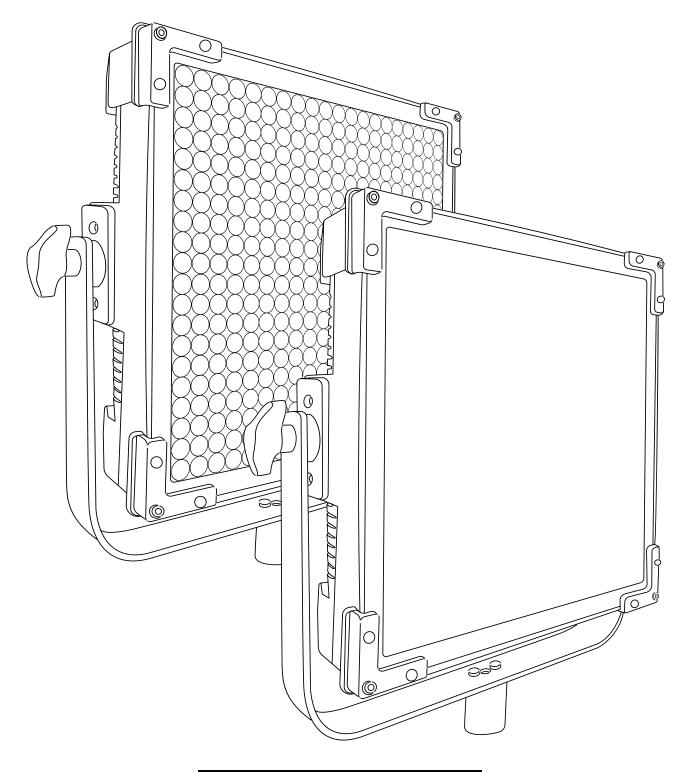


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

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





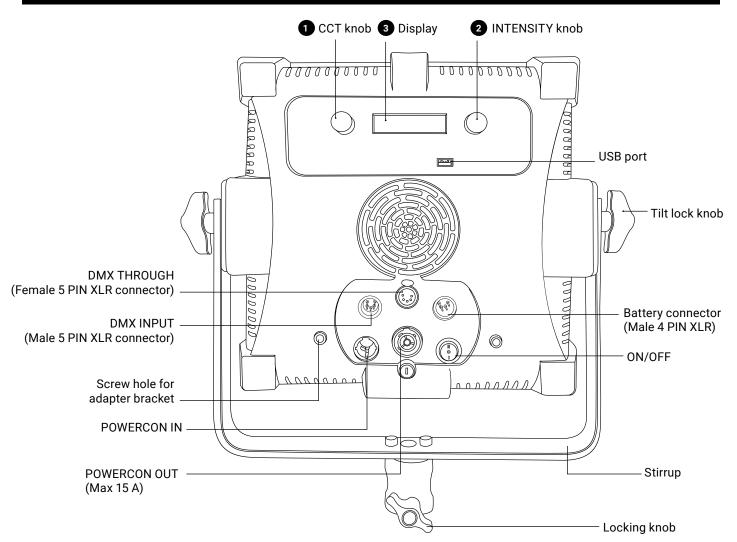
User Manuals

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

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 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CCT		CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **②** knob and press the **②** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the **2** knob to select **DMX ADVANCED**, press the **2** 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 ② 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the ② knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the ② 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 16 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
ССТ	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
		4. "STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz

	3/4*	1. DIMMER	0 - 255	0 ÷ 100 %	
HSI		2. HUE	0 ÷ 253	0 ÷ 360	
ПОІ	3/4"	3. SATURATION	0 ÷ 255	0 ÷ 100 %	
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz	
		1. DIMMER	0 - 255	0 ÷ 100 %	
		2. RED	0 ÷ 255	0 ÷ 100 %	
		3. GREEN	0 ÷ 255	0 ÷ 100 %	
		4. BLUE	0 ÷ 255	0 ÷ 100 %	
RGBW	7/8*	5. WHITE	0 ÷ 255	0 ÷ 100 %	
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700	
		7. GN COMPENSATION	0 ÷ 5	Ø	
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00	
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz	
		1. DIMMER	0 - 255	0 ÷ 100 %	
		2. RED	0 ÷ 255	0 ÷ 100 %	
	7/8*		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %	
FRGBW		5. WHITE	0 ÷ 255	0 ÷ 100 %	
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700	
		7. GN COMPENSATION	0 ÷ 5	Ø	
		7. GIV COMPLINSATION	6 ÷ 255	- 1.00 ÷ +1.00	
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz	
		1. DIMMER	0 - 255	0 ÷ 100 %	
		2. PRESET	0 ÷ 255	0 ÷ N PRESET	
PRESET	3/4*	2 DDF0FT FDFF7F	0 - 50	NO FREEZE	
		3. PRESET 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
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
CCT	6/8*	3. COLOR TEMPERATURE - byte 1 4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
CCT	0/8^	5. GN COMPENSATION - byte 1 6. GN COMPENSATION - byte 2	0 ÷ 500 501 ÷ 65535	Ø - 1.00 ÷ + 1.00
		7. *STROBE CONTROL - byte 1 8. *STROBE CONTROL - byte 2	0 ÷ 1300 1301 ÷ 65535	Ø 1 ÷ 25 Hz
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
	6.40	3. HUE - byte 1 4. HUE - byte 2	0 ÷ 65535	0 ÷ 360
HSI	6/8*	5. SATURATION - byte 1 6. SATURATION - byte 2	0 ÷ 65535	0 ÷ 100%
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
		3. RED - byte 1 4. RED - byte 2	0 - 65535	0 ÷ 100 %
RGBW	14/16*	5. GREEN - byte 1 6. GREEN - byte 2	0 + 65535	0 ÷ 100 %
KGDVV	14/16*	7. BLUE - byte 1 8. BLUE - byte 2	0 + 65535	0 ÷ 100 %
		9. WHITE - byte 1 10. WHITE - byte 2	0 + 65535	0 ÷ 100 %
		11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700

		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
DODW 14/16+		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
RGBW	14/16*	15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0-05535	0 - 100 %
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2	0 - 05535	0 - 100 %
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2	0 - 00000	0 + 100 %
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
FRGBW	14/16*	8. BLUE - byte 2	0 - 00000	0 - 100 %
I KGDW	14/ 10**	9. WHITE - byte 1	0 ÷ 65535	0 ÷ 100 %
		10. WHITE - byte 2	0 . 00000	0 : 100 %
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2		0300 - 2700
		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
PRESET		2. DIMMER - byte 2	0 00000	
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
	6/8*	4. PRESET - byte 2	0 1 00000	
	0,0	5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535
		6. PRESET FREEZE - byte 2		freeze
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
	8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz	

RDMProtocol Specification

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

		T
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
<u> </u>	0x02	PRESET
Personality FULL COLOR	001	DMX Personality
	0x01	CCT
	0x02	HSI
	0x03 0x04	RGBW
	0x05	PRESET
	UXUJ	FINLOET

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	<u> </u>	
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
PRESET	0x800A	select preset number

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

<u>Filter:</u> It is the speed response of the system (smooth factor).

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

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

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

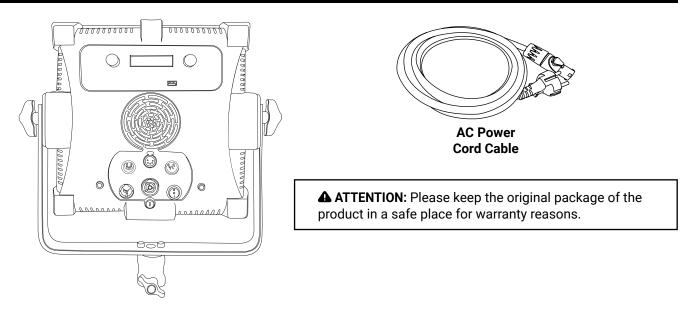
USB PORT

Use USB port for firmware updates.

Update the Firmware

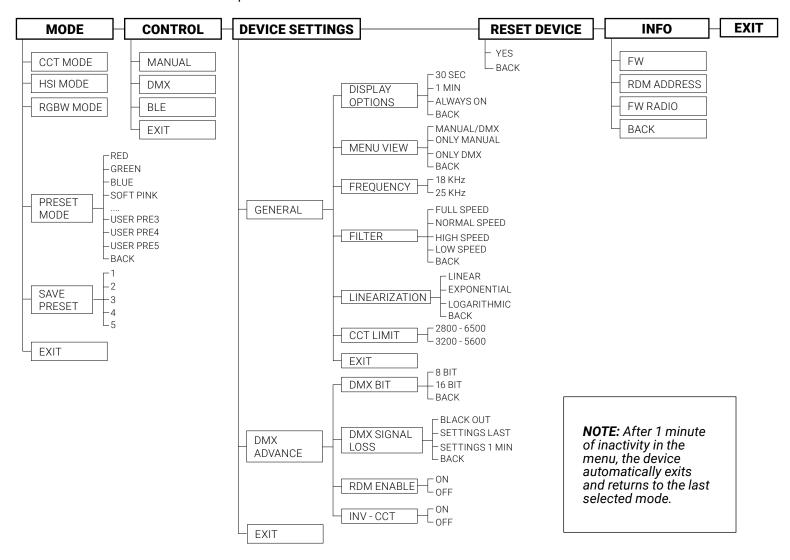
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- Switch on the equipment;
- 4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
- 5. Switch off the equipment;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

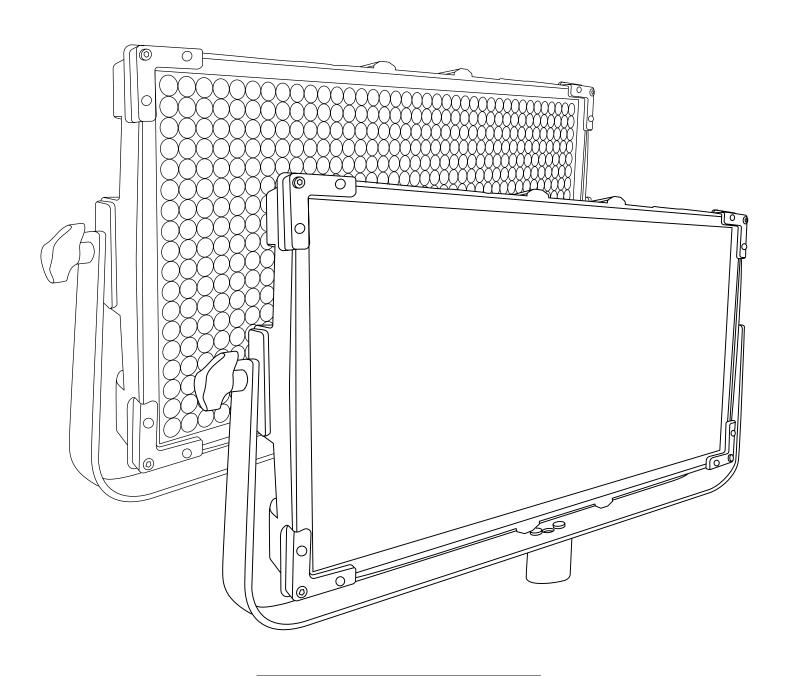
Package Contents for SuperpanelPRO 30 and UltrapanelPRO 30



MENU e submenus

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





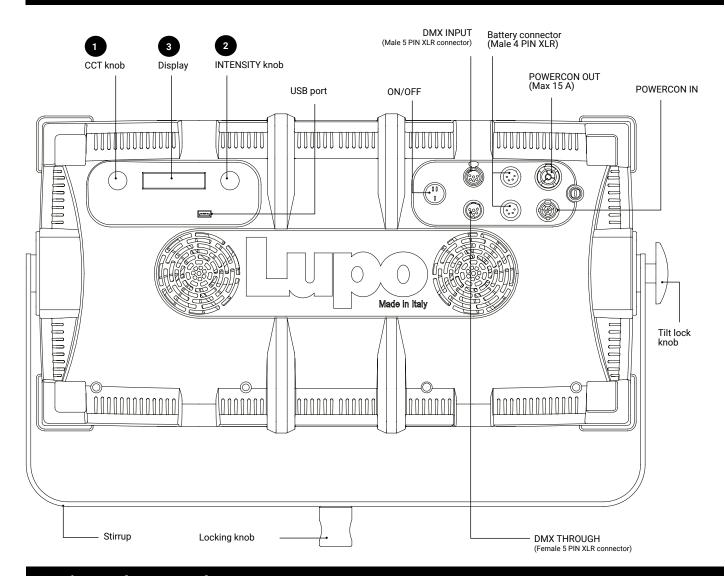
User Manuals

502 PRO HyperpanelPRO Dual Color Soft 60 503 PRO HyperpanelPRO Dual Color Hard 60 804 PRO UltrapanelPRO Dual Color Hard 60 814 PRO UltrapanelPRO Dual Color Soft 60 404 PRO SuperpanelPRO Dual Color Hard 60 414 PRO SuperpanelPRO Dual Color Soft 60

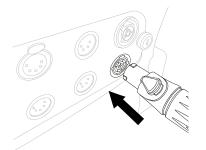
Instructions

- 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, UltrapanelPRO and HyperpanelPRO models are equipped with new generation high quality powerleds.

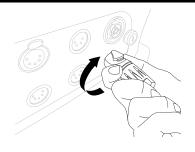
Getting Started with the 60 panels



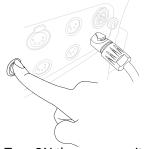
Turning on the 60 panels



1 Insert the POWERCON



2 Rotate it by 15° until makes a click



Turn ON the power switch: 0: OFF

I: AC power

II: Battery power

CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the **2** push button to confirm a selection.
- Rotate the **2** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	«▼»①«▲»③
ССТ	Light Intensity from 0 to 100%	CT 2800K to 10000K	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*.

▲ ATTENTION: Rotating the ● knob changes the CT value.

DMX OPERATION

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the 2 knob and press the 2 push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATION

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the 2 knob and press the 2 push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select CONTROL with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATION - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the ② knob until **DEVICE SETTINGS** and press the ② push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- 2. Rotate the **2** knob to choose between **8bit / 16bit**, press the **2** 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 **2** push button
- 2. Rotate the 2 knob to select the device's behaviour among BLACK OUT /SETTINGS
- 1. LAST / SETTINGS 1min, press the 2 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
CCT 3/4*	2. COLOR TEMPERATURE	0 - 255	6500 - 2700	
	3/4"	3. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	- 1,00 ÷ + 1,00

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 00000	0 - 100 %
CCT 4/6*	3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700	
CCT	CCT 4/6*	4. COLOR TEMPERATURE - byte 2	0 - 00000	0300 - 2700
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

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

	Ι	1000 1001 11 11 1
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET

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		
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
PRESET	0x800A	select preset number

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS**.

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

DMX OPERATION - DMX protocol

The SuperpanelPRO and the UltrapanelPRO can be used with **8 bit** (1 channel per function) and **16 bit** (2 channels per function). The SuperpanelPRO and the UltrapanelPRO 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 units of SuperpanelPRO and the UltrapanelPRO to avoid overlaps.

▲ 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:

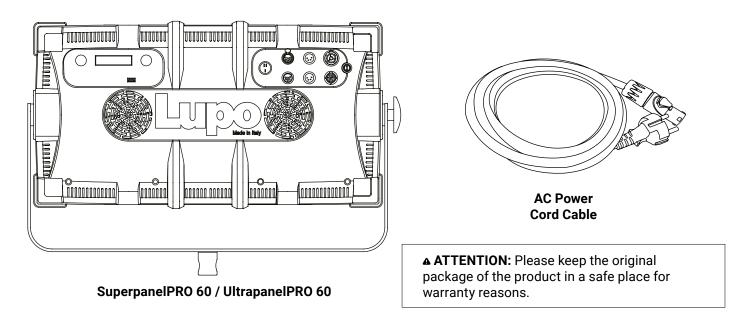
USB port

Use USB port for firmware updates.

Update the Firmware

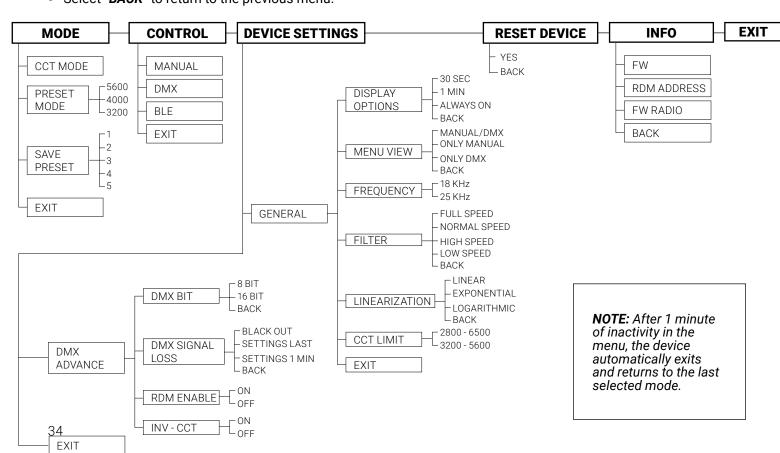
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;
- 4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
- 5. Switch off the equipment;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

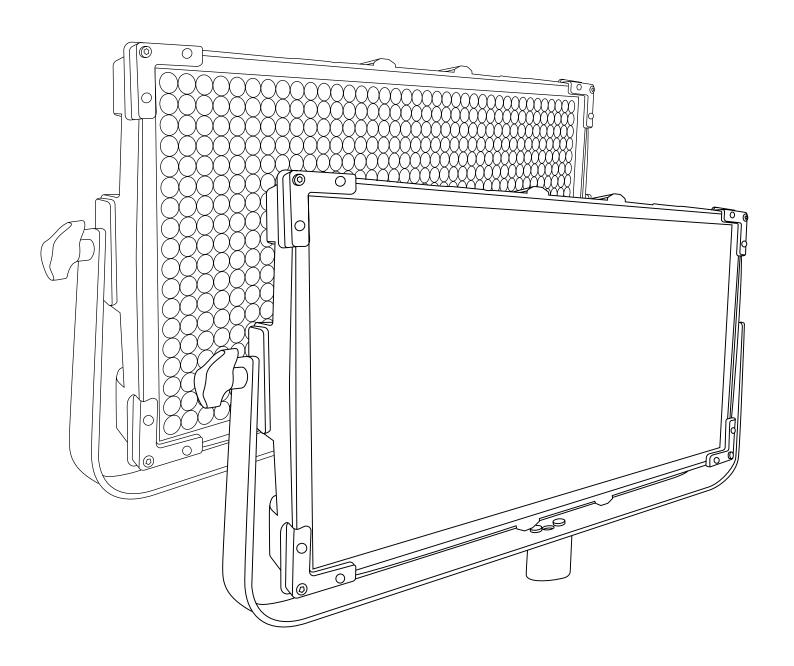
Package Contents for SuperpanelPRO 60, UltrapanelPRO 60 and HyperpanelPRO 60



MENU e submenus

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





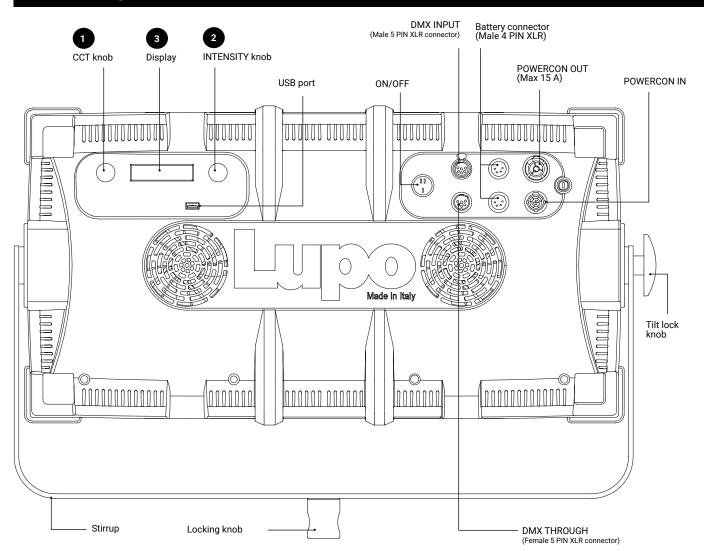
User Manuals

818 PRO UltrapanelPRO Full Color Hard 60 816 PRO UltrapanelPRO Full Color Soft 60 419 PRO SuperpanelPRO Full Color Hard 60 416 PRO SuperpanelPRO Full Color Soft 60

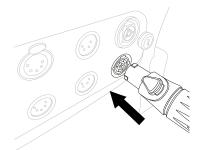
Instructions

- · 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.

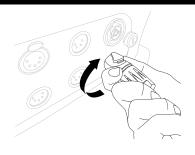
Getting Started with the SuperpanelPRO 60 and the UltrapanelPRO 60



Turning on the SuperpanelPRO 60 and the UltrapanelPRO 60



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 2 push button to enter the main MENU.
- In the sub-menus press the **2** push button to confirm a selection.
- Rotate the **2** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	«▼»1 «▲»3
CCT	Light Intensity from 0 to 100%	CT 2800K to 10000K	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*.

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

DMX OPERATION

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATION - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 2 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 **2** push button.
- 2. Rotate the ② knob to choose between **8bit / 16bit**, press the ② 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
COT	0/4*	2 CN COMPENSATION	0 ÷ 5	Ø
CCT	3/4*	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
		4. "STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
LICI	0/4*	2. HUE	0 ÷ 253	0 ÷ 360
HSI	3/4*	3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
RGBW	7/8*	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
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
FRGBW	7/8*	5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7 CN COMPENICATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	3/4*	0 DDE0ET EDEEZE	0 - 50	NO FREEZE
		3. PRESET 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
		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 . 500	~
		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
	6/8*	1. DIMMER - byte 1 0 - 65535		0 ÷ 100 %
		2. DIMMER - byte 2	0 00000	0 1 100 70
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
HSI		4. HUE - byte 2	0 . 00000	0 . 300
1101	0/0	5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100%
		6. SATURATION - byte 2		0 · 100%
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RGBW		1	T		
RGBW 14/16* 14/16* RGBW 14			1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
RGBW					
RGBW				0 - 65535	0 ÷ 100 %
RGBW					
RGBW				0 + 65535	0 ÷ 100 %
RGBW					
RGBW				0 + 65535	0 ÷ 100 %
Total Color Temperation	RGBW	14/16*			
11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 0 ÷ 500 Ø -1,00 ÷ + 1,00 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 2 0 ÷ 65535 0 ÷ 100 % 0 + 1				0 + 65535	0 ÷ 100 %
12. COLOR TEMPERAT byte 2 0 - 65535 6500 - 2700 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 2 0 - 5505 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 2 0 - 1300 Ø 16. *STROBE CONTROL - byte 2 0 - 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 18. RED - byte 1 0 + 65535 0 ÷ 100 % 18. RED - byte 2 0 + 65535 0 ÷ 100 % 19. GREEN - byte 1 0 + 65535 0 ÷ 100 % 19. GREEN - byte 1 0 + 65535 0 ÷ 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 1 0 + 1300 Ø 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 1 0 + 65535 0 + 100 % 10. WHITE - byte 1 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 1 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte 2 0 + 65535 0 + 100 % 10. WHITE - byte					
12. COLOR TEMPERAL: - byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00				0 - 65535	6500 - 2700
14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 - 65535 0 ÷ 100 % 3. RED - byte 1 0 ÷ 65535 0 ÷ 100 % 4. RED - byte 2 0 ÷ 65535 0 ÷ 100 % 6. GREEN - byte 1 0 ÷ 65535 0 ÷ 100 % 7. BLUE - byte 2 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 1 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 1 0 ÷ 65535 0 ÷ 100 % 10. WHITE - byte 2 0 ÷ 65535 0 ÷ 100 % 11. COLOR TEMPERAT byte 1 0 - 65535 6500 - 2700 12. COLOR TEMPERAT byte 2 0 ÷ 5500 Ø 13. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 3. PRESET - byte 1 0 - 65535 0 ÷ 100 % 4. PRESET - byte 2 0 - 65535 0 ÷ 100 % 5. PRESET - byte 2 0 - 65535 0 ÷ 100 % 5. PRESET - byte 2 0 - 65535 0 ÷ 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 ÷ 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 ÷ 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 ÷ 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 1300 Ø				0 . 500	a
15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 ÷ 65535 0 ÷ 100 % 4. RED - byte 2 0 ÷ 65535 0 ÷ 100 % 4. RED - byte 1 0 ÷ 65535 0 ÷ 100 % 6. GREEN - byte 1 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 2 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 2 0 ÷ 65535 0 ÷ 100 % 9. WHITE - byte 2 0 ÷ 65535 0 ÷ 100 % 10. WHITE - byte 2 0 ÷ 65535 0 ÷ 100 % 11. COLOR TEMPERAT byte 1 0 ÷ 65535 6500 - 2700 12. COLOR TEMPERAT byte 1 0 ÷ 500 Ø 14. GN COMPENSATION - byte 1 0 ÷ 500 Ø 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 ÷ 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 ÷ 65535 0 ÷ 100 % 3. PRESET - byte 1 0 ÷ 65535 0 ÷ 100 % 4. PRESET - byte 1 0 ÷ 65535 0 ÷ 100 % 5. PRESET FREEZE - byte 2 0 ÷ 65535 0 ÷ 100 % 5. PRESET FREEZE - byte 2 0 ÷ 65535 0 ÷ N PRESET 6. PRESET FREEZE - byte 1 0 ÷ 1300 Ø 6. PRESET FREEZE - byte 2 0 ÷ 1300 Ø					· ·
16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 ÷ 65535 0 ÷ 100 % 4. RED - byte 1 0 ÷ 65535 0 ÷ 100 % 4. RED - byte 2 0 ÷ 65535 0 ÷ 100 % 6. GREEN - byte 1 0 ÷ 65535 0 ÷ 100 % 7. BLUE - byte 1 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 2 0 ÷ 65535 0 ÷ 100 % 8. BLUE - byte 2 0 ÷ 65535 0 ÷ 100 % 9. WHITE - byte 1 0 ÷ 65535 0 ÷ 100 % 10. WHITE - byte 2 0 + 65535 0 ÷ 100 % 11. COLOR TEMPERAT byte 1 0 + 65535 6500 - 2700 12. COLOR TEMPERAT byte 1 0 ÷ 500 Ø 13. GN COMPENSATION - byte 1 0 ÷ 500 Ø 14. GN COMPENSATION - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 15. *STROBE CONTROL - byte 1 0 + 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 0 ÷ 100 % 3. PRESET - byte 1 0 + 65535 0 ÷ 100 % 4. PRESET - byte 1 0 + 65535 0 ÷ 100 % 5. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 65535 0 + 100 % 6. PRESET FREEZE - byte 1 0 + 1300 Ø					
FRGBW					~
PRESET 6/8* 2. DIMMER - byte 2 3. RED - byte 1 4. RED - byte 2 5. GREEN - byte 1 6. GREEN - byte 2 7. BLUE - byte 2 9. WHITE - byte 2 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 1 15. *STROBE CONTROL - byte 1 16. *STROBE CONTROL - byte 2 17. DIMMER - byte 2 18. BLUE - byte 2 19. WHITE - byte 2 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 1 15. *STROBE CONTROL - byte 1 16. *STROBE CONTROL - byte 2 15. *STROBE CONTROL - byte 2 15. PRESET - byte 1 14. PRESET - byte 1 15. *PRESET - byte 2 15. PRESET FREEZE - byte 1 15. *PRESET FREEZE - byte 1 15. *PRESET FREEZE - byte 1 15. *PRESET FREEZE - byte 2 15. PRESET FREEZE - byte 2 15. PRESET FREEZE - byte 1 16. PRESET FREEZE - byte 1 17. *STROBE CONTROL - byte 1 18. BLUE - byte 2 19. ÷ 65535 10. ÷ 100 % 10. *STROBE CONTROL - byte 1 10. ÷ 1300 10. ÷ 1300 10. † 100 % 10.				1301 - 65535	1 ÷ 25 HZ
RESET Signature Signatur		14/16*	11-0233		0 ÷ 100 %
FRGBW 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 14/16* 15/16* 15/16* 15/16* 15/16* 16/16*					
FRGBW 14/16* 5. GREEN - byte 1 6. GREEN - byte 2 7. BLUE - byte 1 8. BLUE - byte 1 10. WHITE - byte 1 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 1 15. *STROBE CONTROL - byte 1 16. *STROBE CONTROL - byte 2 17. DIMMER - byte 2 18. BLUE - byte 2 19. WHITE - byte 1 19. COLOR TEMPERAT byte 2 19. WHITE - byte 1 19. COLOR TEMPERAT byte 1 19.				0 ÷ 65535	
FRGBW 14/16* 6. GREEN - byte 2 7. BLUE - byte 1 8. BLUE - byte 2 9. WHITE - byte 1 10. WHITE - byte 2 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 1 15. *STROBE CONTROL - byte 1 0 - 65535 6500 - 2700 4. GN COMPENSATION - byte 2 15. *STROBE CONTROL - byte 2 10. DIMMER - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 1 6/8* 6/8* 6. GREEN - byte 2 9. WHITE - byte 2 10. O + 65535 0 - 100 % 0 0 - 65535 0 - 100 % 0 - 65535 0 - 100 % 0 - 65535 0 - 100 % 0 - 65535 0 - 100 % 0 - 65535 0 - 100 % 0 - 65535 0 - 100 %					
FRGBW 14/16* 7. BLUE - byte 1 8. BLUE - byte 2 9. WHITE - byte 1 10. WHITE - byte 2 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 2 15. *STROBE CONTROL - byte 1 0 - 65535 6500 - 2700 0 - 6500 Ø 14. GN COMPENSATION - byte 2 15. *STROBE CONTROL - byte 1 0 - 65535 1 - 1,00 ÷ + 1,00 0 - 1300 Ø 16. *STROBE CONTROL - byte 2 1. DIMMER - byte 1 2. DIMMER - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 1 6. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze freeze 7. *STROBE CONTROL - byte 1 0 - 1300 Ø					0 ÷ 100 %
RESET 14/16*					
PRESET PRESET 14/10^* 9. WHITE - byte 1 10. WHITE - byte 2 11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 0 ÷ 500 Ø 14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 0 ÷ 65535 0 ÷ 100 % 0 ÷				0 ÷ 65535	0 ÷ 100 %
10. WHITE - byte 2	FRGBW				
11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 0 ÷ 500 Ø 14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 1 4. PRESET - byte 2 5. PRESET FREEZE - byte 1 0 - 12800 > no freeze 51200 ÷ 65535 freeze 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø Ø 65535 6. PRESET FREEZE - byte 1 0 ÷ 1300 Ø Ø Ø Ø Ø Ø Ø Ø Ø				0 ÷ 65535	0 ÷ 100 %
12. COLOR TEMPERAT byte 2 13. GN COMPENSATION - byte 1 14. GN COMPENSATION - byte 2 15. *STROBE CONTROL - byte 1 16. *STROBE CONTROL - byte 2 17. DIMMER - byte 1 2. DIMMER - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 1 4. PRESET - byte 2 5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 05535 0 - 100 % 0 - 12800 > no freeze freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 9 - 12800 > no freeze 1200 - 65535 1300 - 2700 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz 0 - 12800 > no freeze 1301 - 25 Hz					
13. GN COMPENSATION - byte 1 0 ÷ 500 Ø 14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 - 65535 0 ÷ 100 % 3. PRESET - byte 1 0 ÷ 65535 0 ÷ N PRESET 4. PRESET - byte 2 0 - 12800 > no freeze 51200 ÷ 65535 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø				0 - 65535	6500 - 2700
14. GN COMPENSATION - byte 2 501 ÷ 65535 -1,00 ÷ + 1,00 15. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø 16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 + 65535 0 ÷ 100 % 3. PRESET - byte 1 0 ÷ 65535 0 ÷ N PRESET 4. PRESET - byte 2 0 - 12800 > no freeze 51200 ÷ 65535 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø				n ÷ 500	Ø
15. *STROBE CONTROL - byte 1					~
16. *STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz 1. DIMMER - byte 1 0 - 65535 0 ÷ 100 % 2. DIMMER - byte 2 0 - 65535 0 ÷ 100 % 3. PRESET - byte 1 0 ÷ 65535 0 ÷ N PRESET 4. PRESET - byte 2 0 - 12800 > no freeze 5. PRESET FREEZE - byte 2 0 - 12800 > no freeze 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø					
PRESET 6/8* 1. DIMMER - byte 1 2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 2 5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 65535 0 ÷ 100 % 0 ÷ 0 + 00 % 0 ÷ 0 + 00 % 0 ÷ 0 + 00 % 0 ÷ 0 + 00 % 0 ÷ 0 + 00 % 0 ÷ 100 % 0 ÷ 100 % 0 ÷ 100 % 0 ÷ 100 % 0 ÷ 100 %					~
2. DIMMER - byte 2 3. PRESET - byte 1 4. PRESET - byte 2 5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 05535 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 % 0 - 100 %					
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 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø				0 - 65535	0 ÷ 100 %
PRESET 6/8* 4. PRESET - byte 2 5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 05535 0 - N PRESET 51200 ÷ 65535 freeze 7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø			-	0 (5505	0 11005057
5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2 7. *STROBE CONTROL - byte 1 0 - 12800 > no freeze freeze 0 - 12800 > no freeze freeze	55555			0 ÷ 65535	0 ÷ N PRESET
6. PRESET FREEZE - byte 2	PRESET	6/8*		0 10000 1	51200 ÷ 65535
7. *STROBE CONTROL - byte 1 0 ÷ 1300 Ø				U - 12800 > no freeze	
				0 ÷ 1300	Ø
8.*STROBE CONTROL - byte 2 1301 ÷ 65535 1 ÷ 25 Hz			8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION			
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).			
Device Identification	Device Identification				
Model ID		Model identification number			
	1	DayledPRO 650 mono color			
	2	DayledPRO 650 dual color			
	3	DayledPRO 1000 mono color			
	4	DayledPRO 1000 dual color			
	5	DayledPRO 2000 mono color			

	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR	48	MovielightPRO 600 full color DMX Personality CCT

Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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		, 5, 3 ,
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	0x8004 0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8005	0: linear 1: exponential 2: logarithmic
LINEAMEATION	5,0000	o. inical i. exponential z. logaritimic

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
PRESET	0x800A	select preset number

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

<u>Filter:</u> It is the speed response of the system (smooth factor).

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

<u>Linearization</u>: 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the ② push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

FACTORY DEFA	FACTORY DEFAULT SETTING			
MODE	DEVICE SETTINGS			
CCT DMX OPERATION	DISPLAY: 1 min FILTER : Normal speed			
BIT: 8 BIT	LINEARIZATION: Linear			
DMX SIGNAL LOSS: Settings 1 MIN	FREQUENCY: 18 KHz			
RDM ENABLE: OFF INV - CCT: OFF	CONTROL			
5551.	Manual			

DMX OPERATION - DMX protocol

The SuperpanelPRO and the UltrapanelPRO can be used with **8 bit** (1 channel per function) and **16 bit** (2 channels per function). The SuperpanelPRO and the UltrapanelPRO 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 units of SuperpanelPRO and the UltrapanelPRO to avoid overlaps.

▲ 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:

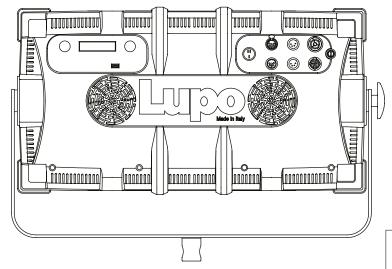
USB port

Use USB port for firmware updates.

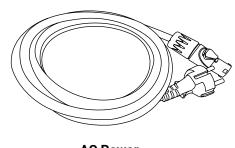
Update the Firmware

- 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 60 and UltrapanelPRO 60



SuperpanelPRO 60 / UltrapanelPRO 60

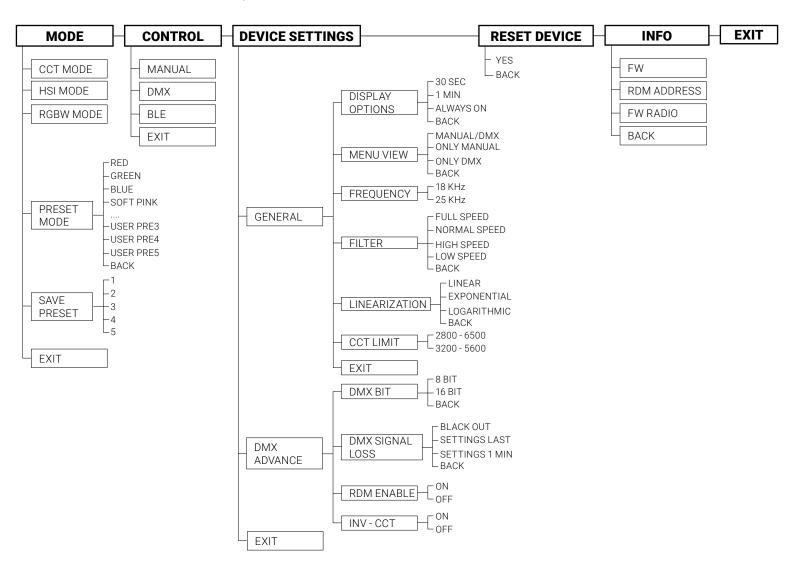


AC Power Cord Cable

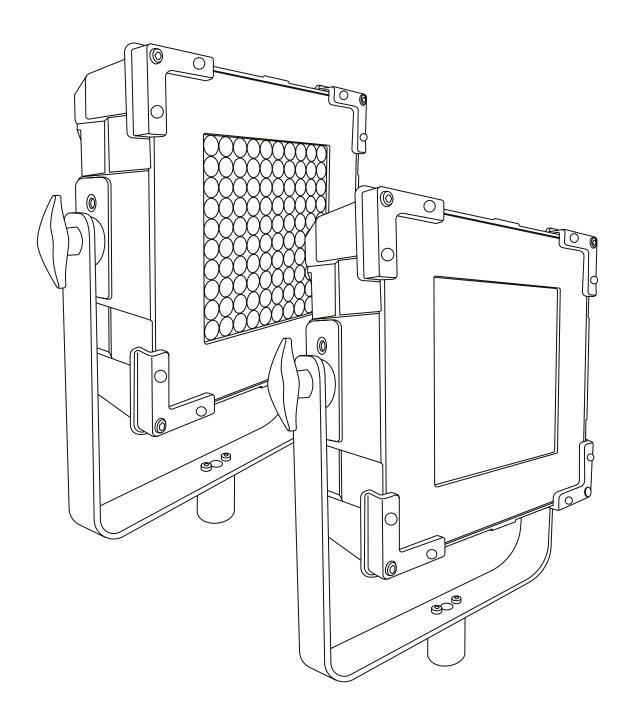
▲ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

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.



User Manuals

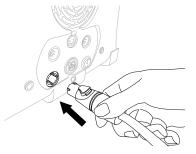
600 PRO ActionpanelPRO Dual Color Hard 603 PRO ActionpanelPRO Dual Color Soft

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.
- ActionpanelPRO models are equipped with new generation high quality powerleds.

Getting Started with the ActionpanelPRO 3 Display 1 CCT knob 4 INTENSITY knob Tilt lock knob _ USB port DMX THROUGH Battery connector (Female 5 PIN XLR connector) (Male 4 PIN XLR) DMX INPUT (Male 5 PIN XLR connector) Silent FAN POWERCON IN Stirrup ON/OFF -

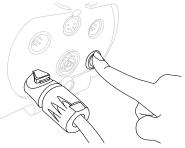
Turning on the ActionpanelPRO



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 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select CONTROL with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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

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

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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

1. press 2 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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

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

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

DMX Protocol

Introduction

The ActionpanelPRO models 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 **16 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
		2 *CTDODE CONTDOI	0 ÷ 5	Ø
		3. *STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
	4/6*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 00000	
CCT		3. COLOR TEMPERATURE - byte 1	0 65505	6500 0700
COT		4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification	<u>'</u>	
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color

		,
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	CCT
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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			
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	

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** 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

DISPLAY: 1 min

FILTER: Normal speed LINEARIZATION: Linear

FREQUENCY: 18 KHz

CONTROL

Manual

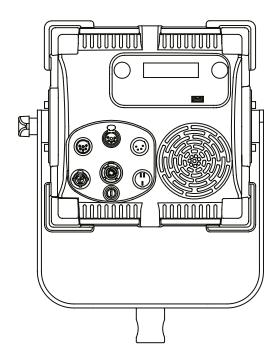
USB PORT

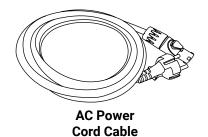
Use USB port for firmware updates.

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 ActionpanelPRO

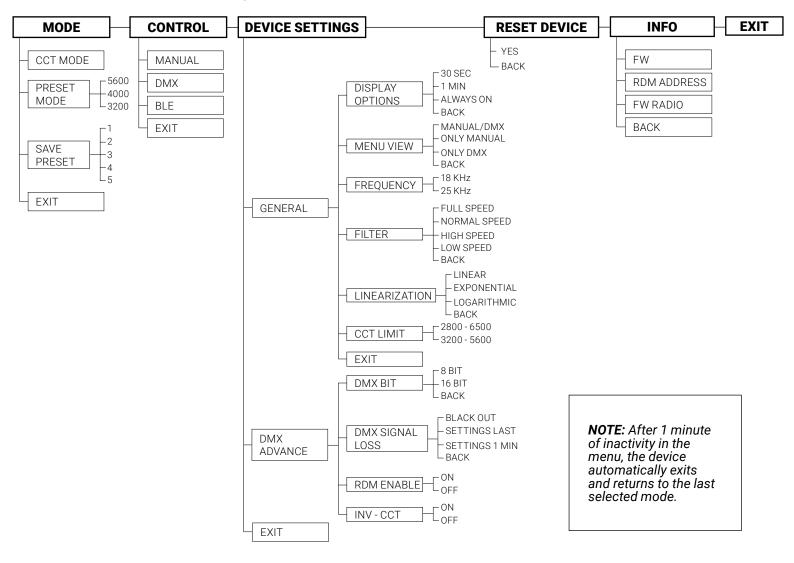


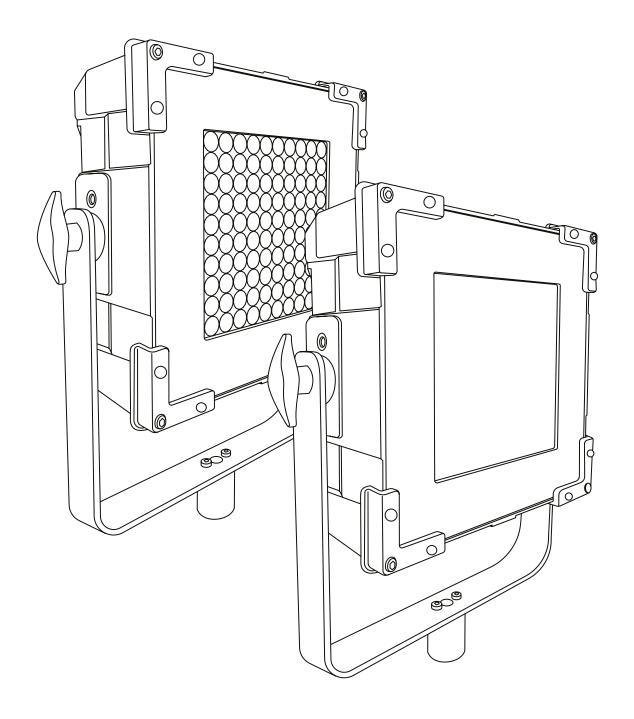


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

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





User Manuals

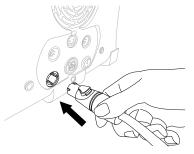
602 PRO ActionpanelPRO Full Color Hard 604 PRO ActionpanelPRO Full Color Soft

Instructions

- · Device for indoor use only.
- Maximum ambient température: 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.
- ActionpanelPRO models are equipped with new generation high quality powerleds.

Getting Started with the ActionpanelPRO 3 Display 1 CCT knob 4. INTENSITY knob Tilt lock knob - USB port DMX THROUGH Battery connector (Female 5 PIN XLR connector) (Male 4 PIN XLR) DMX INPUT. (Male 5 PIN XLR connector) Silent FAN POWERCON IN Stirrup ON/OFF

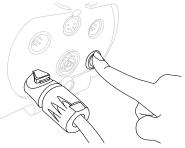
Turning on the ActionpanelPRO



1 Insert the POWERCON



2 Rotate it by 15° until makes a click



Turn ON the power switch: 0: OFF

0 : OFF I : AC power

II : Battery power

CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CCT		CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the 1 knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display 3 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

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

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the **2** knob to select **DMX ADVANCED**, press the **2** 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 ② 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 ActionpanelPRO models 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 **16 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
	2//*	3. GN COMPENSATION	0 ÷ 5	Ø
	3/4"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		4 *CTDODE CONTDO	0 ÷ 5	Ø
		4. *STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz

	3/4*	1. DIMMER	0 - 255	0 ÷ 100 %
1101		2. HUE	0 ÷ 253	0 ÷ 360
HSI		3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
RGBW	7/8*	5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
	7/8*	2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
FRGBW		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	3/4*	2 DDECET EDEE7E	0 - 50	NO FREEZE
		3. PRESET 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	
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %	
CCT	6/8*	3. COLOR TEMPERATURE - byte 1 4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700	
CCT	0/8^	5. GN COMPENSATION - byte 1 6. GN COMPENSATION - byte 2	0 ÷ 500 501 ÷ 65535	Ø - 1.00 ÷ + 1.00	
		7. *STROBE CONTROL - byte 1 8. *STROBE CONTROL - byte 2	0 ÷ 1300 1301 ÷ 65535	Ø 1 ÷ 25 Hz	
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %	
	6/8*	3. HUE - byte 1 4. HUE - byte 2	0 ÷ 65535	0 ÷ 360	
HSI		5. SATURATION - byte 1 6. SATURATION - byte 2	0 ÷ 65535	0 ÷ 100%	
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø	
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz	
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %	
	14/16*	3. RED - byte 1 4. RED - byte 2	0 - 65535	0 ÷ 100 %	
RGBW		5. GREEN - byte 1 6. GREEN - byte 2		0 + 65535	0 ÷ 100 %
RGDVV		7. BLUE - byte 1 8. BLUE - byte 2	0 + 65535	0 ÷ 100 %	
		9. WHITE - byte 1 10. WHITE - byte 2	0 + 65535	0 ÷ 100 %	
		11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700	

		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
DODW	1 1 /1 (4	14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
RGBW	14/16*	15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 05555	0 + 100 %
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2	0 . 00000	0 : 100 %
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2	0 : 00000	0 : 100 %
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
FRGBW	14/16*	8. BLUE - byte 2	0 : 00000	0 · 100 /0
I KOBW	11/10	9. WHITE - byte 1	0 ÷ 65535	0 ÷ 100 %
		10. WHITE - byte 2		0 1 100 70
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2		
		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
PRESET		2. DIMMER - byte 2		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
	6/8*	4. PRESET - byte 2		
	3, 3	5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535 freeze
		6. PRESET FREEZE - byte 2		
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

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

	14	Cuparpaga IDDO 60 full calar band
		SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	CCT
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET

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	L	1	
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	

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS**.

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

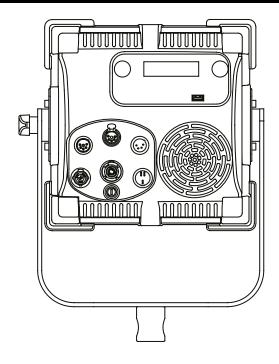
USB PORT

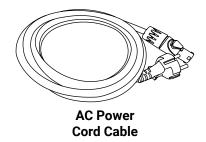
Use USB port for firmware updates.

Update the Firmware

- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 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 ActionpanelPRO

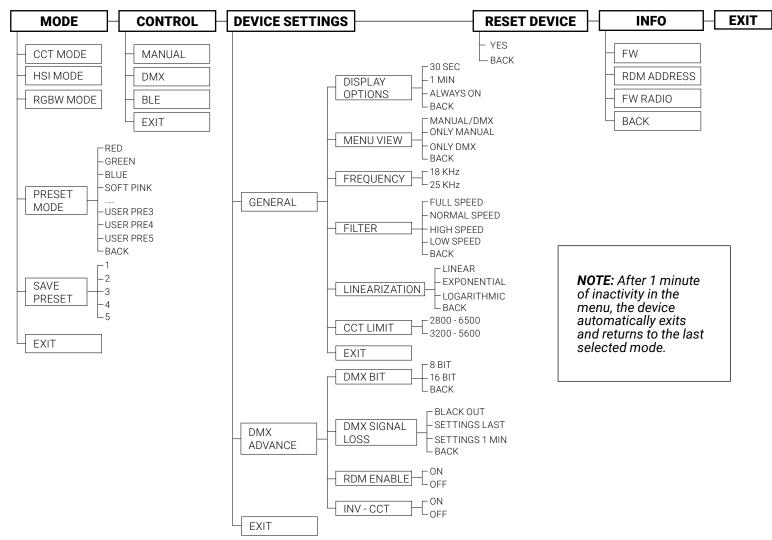


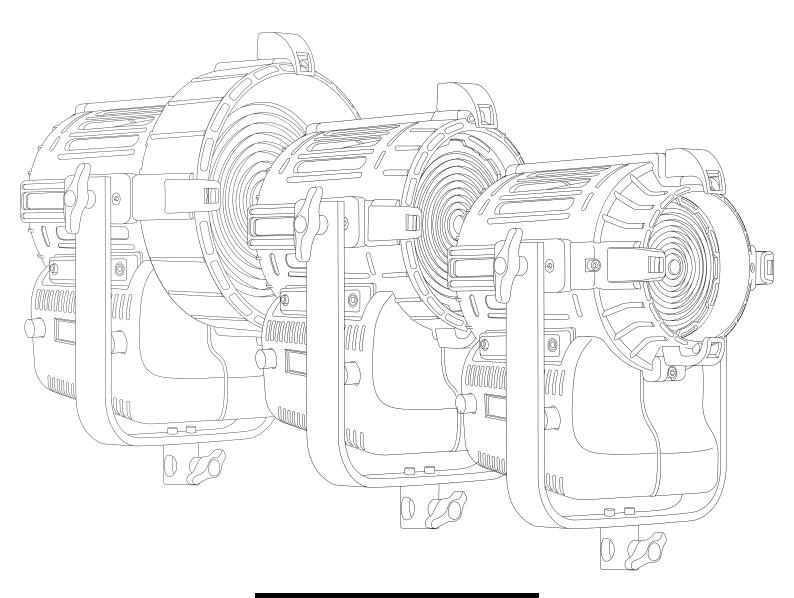


▲ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

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





User Manuals

DayledPRO 650

300D PRO / 300T PRO / 303 PRO Dual Color

DayledPRO 1000 301D PRO / 301T PRO / 304 PRO Dual Color

DayledPRO 2000

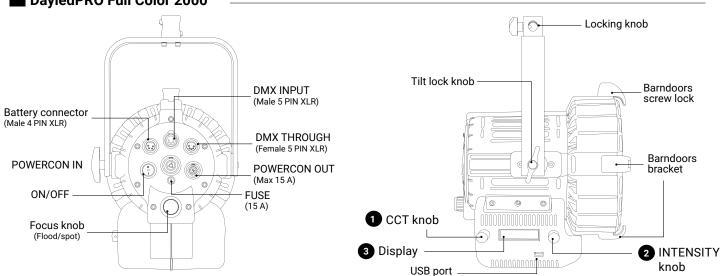
302D PRO / 302T PRO / 305 PRO Dual Color

Instructions

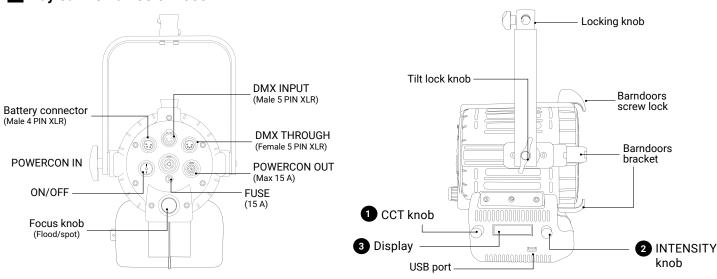
- Max input current for daisy chain: 15 A
- Device for indoor use only.
- Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended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

Getting Started with the DayledPRO

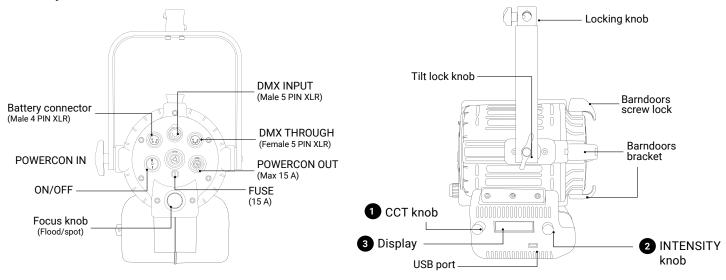




DayledPRO Full Color 1000



DayledPRO Full Color 1000



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the 1 knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display 3 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 2 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 DatledPRO models 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 16 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
ССТ	4/6*	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 00000	
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700 Ø
	4/0^	4. COLOR TEMPERATURE - byte 2	0 - 00030	
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification	•	
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color

	T	I
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	сст
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
Network management	1	F
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	I	Taur a sa sa sa
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		
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

DEVICE SETTINGS

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

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.

<u>Linearization</u>: 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS**.

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

USB PORT

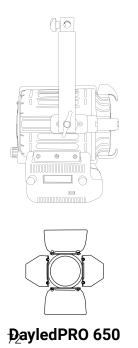
Use USB port for firmware updates.

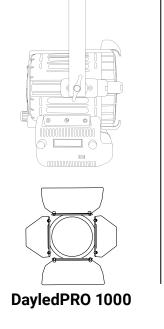
Update the Firmware

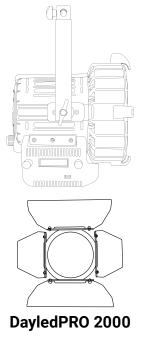
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;
- Wait until display backlight stop flashing (it takes several minutes and display backligh must toggle for all time long);
- 5. Switch off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

Package Contents for DayledPRO

DayledPRO models + Barndoors







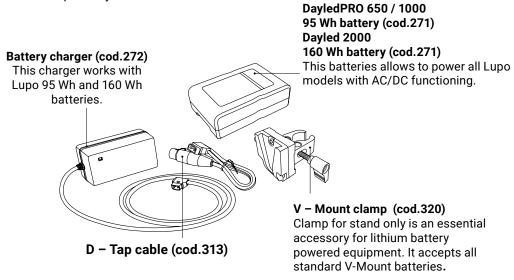
ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

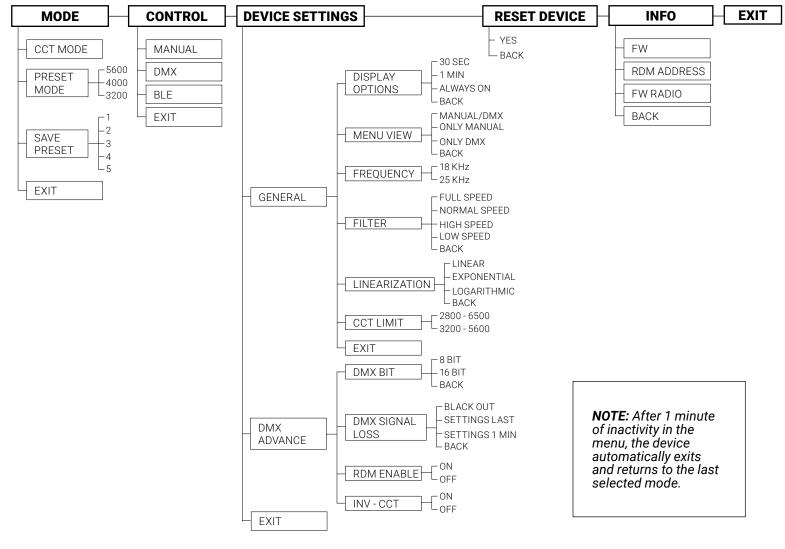
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLEDPRO

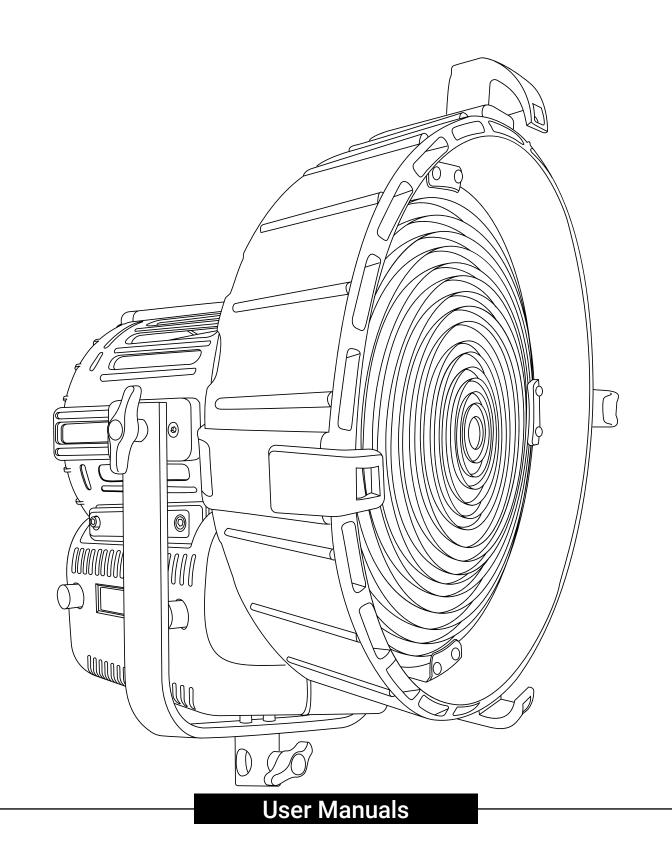
The items are also sold separately.



MENU e submenus

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





DayledPRO 3000 309D PRO / 309T PRO / 310 PRO

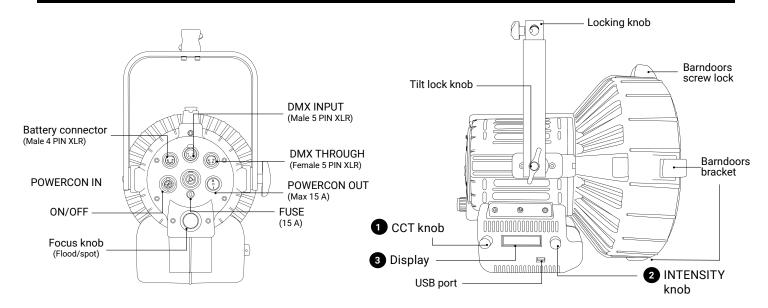


The luminaire should be positioned so that prolonged staring into the luminaire at a distance of 6 m is not expected.

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.
- DayledPRO 3000 models are equipped with new generation high quality LED arrays.
- DayledPRO 3000 is equipped with 350 W single LED array.

Getting Started with the DayledPRO 3000



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **②** knob and press the **②** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- Rotate the 2 knob to choose between 8bit / 16bit, press the 2 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 **2** push button
- 2. Rotate the ② knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the ② 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 DayledPRO models 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 16 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
	2/3*	1. DIMMER	0 - 255	0 - 100 %
CCT		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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 00000	0 + 100 %
CCT	4/6*	3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2	0-05555	0300 - 2700
		5. *STROBE CONTROL - byte 1		Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION			
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).			
Device Identification	Device Identification				
Model ID		Model identification number			
	1	DayledPRO 650 mono color			
	2	DayledPRO 650 dual color			
	3	DayledPRO 1000 mono color			
	4	DayledPRO 1000 dual color			
	5	DayledPRO 2000 mono color			

		David dDDO 2000 dustt
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	73	21 1
	46	HyperpanelPRO 60 dual color soft
	46	HyperpanelPRO 60 dual color soft
Personality MONOCOLOR	46 47	HyperpanelPRO 60 dual color soft HyperpanelPRO 60 dual color hard

Personality DUAL COLOR		DMX Personality
-	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	сст
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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	<u> </u>	
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	1	
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		
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

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select **YES** rotating the **2** button, press the **2** push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

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

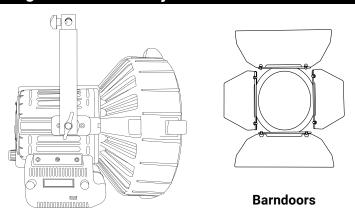
USB PORT

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 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 DayledPRO 3000

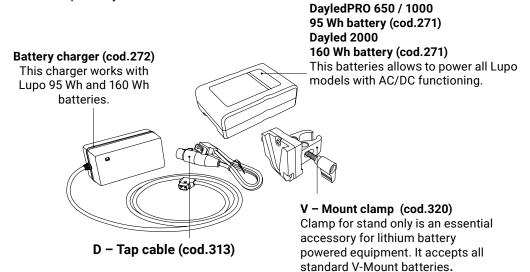


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

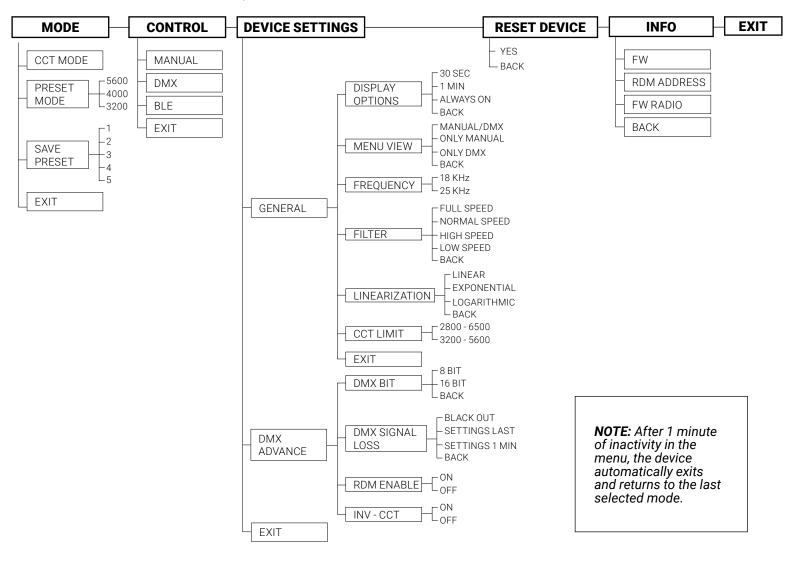
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLEDPRO FULL COLOR 3000.

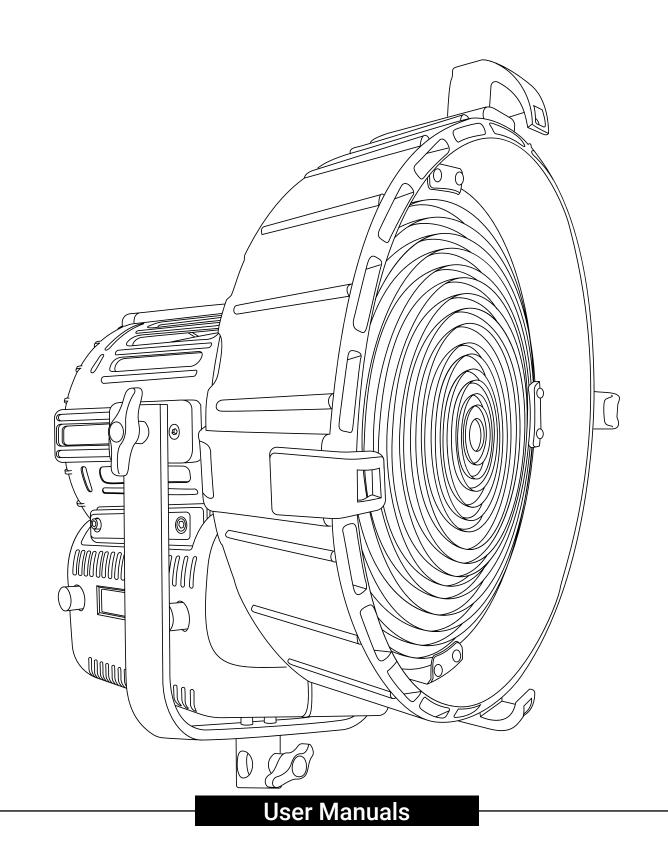
The items are also sold separately.



MENU e submenus

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





DayledPRO 5000 312D PRO / 312T PRO / 316 PRO

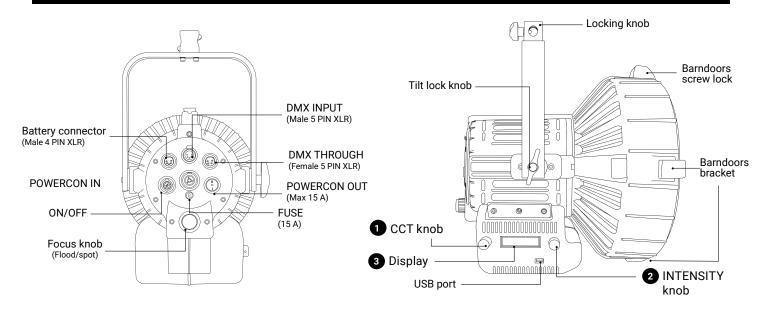


The luminaire should be positioned so that prolonged staring into the luminaire at a distance of 6 m is not expected.

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.
- DayledPRO 5000 models are equipped with new generation high quality LED arrays.
- DayledPRO 5000 is equipped with 380 W single LED array.

Getting Started with the DayledPRO 5000



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » ② knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the ② knob until **DEVICE SETTINGS** and press the ② push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- Rotate the 2 knob to choose between 8bit / 16bit, press the 2 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 **2** push button
- 2. Rotate the ② knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the ② 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 DayledPRO models 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 16 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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
CCT	4/6*	2. DIMMER - byte 2	0 - 00000	0 - 100 %
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2	0 - 00000	0300 - 2700
		5. *STROBE CONTROL - byte 1 0 ÷ 1300	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION		
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).		
Device Identification				
Model ID		Model identification number		
	1	DayledPRO 650 mono color		
	2	DayledPRO 650 dual color		
	3	DayledPRO 1000 mono color		
4		DayledPRO 1000 dual color		
	5	DayledPRO 2000 mono color		

	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
<u> </u>	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
		DMX Personality
Personality MONOCOLOR		DWA Fersonality

Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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		
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
		·

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS**.

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

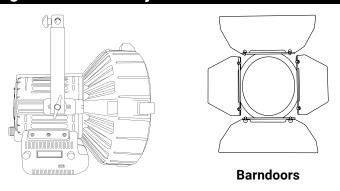
USB PORT

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 stop flashing (it takes several minutes and display backligh must toggle for all time long);
- Switch off the equipment;
- 6. Extract the Pendrive and switch on the equipment: the firmware is updated.

Package Contents for DayledPRO 5000

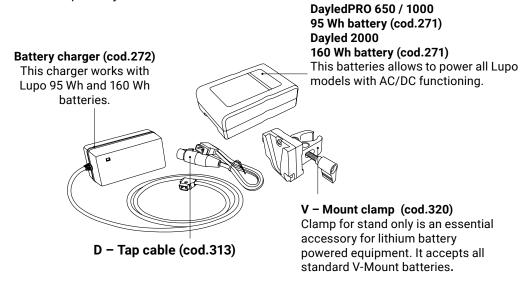


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

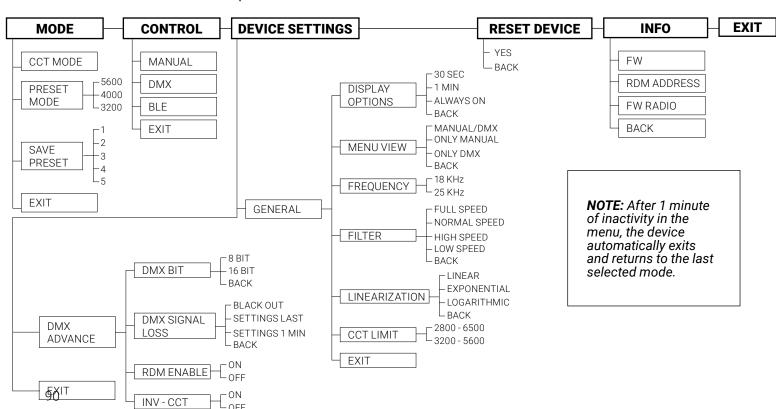
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLEDPRO FULL COLOR 3000.

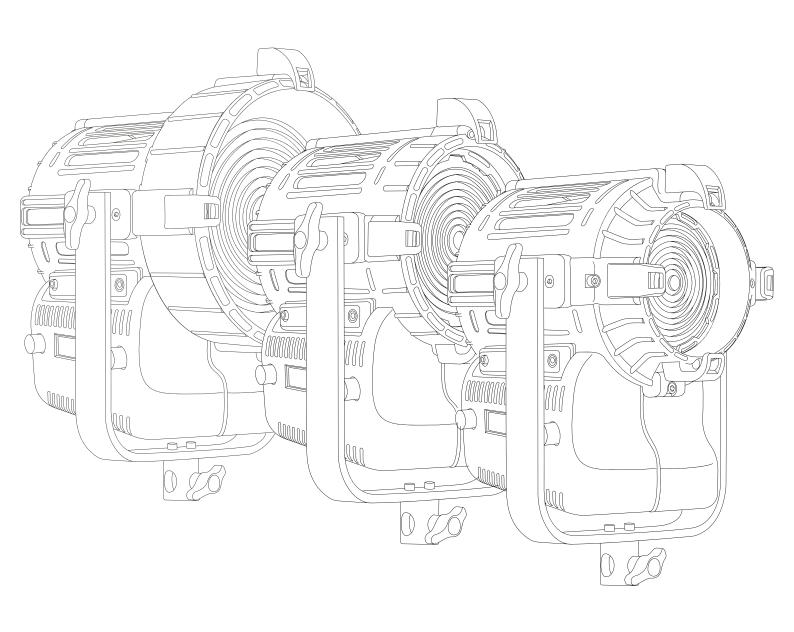
The items are also sold separately.



MENU e submenus

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





User Manuals

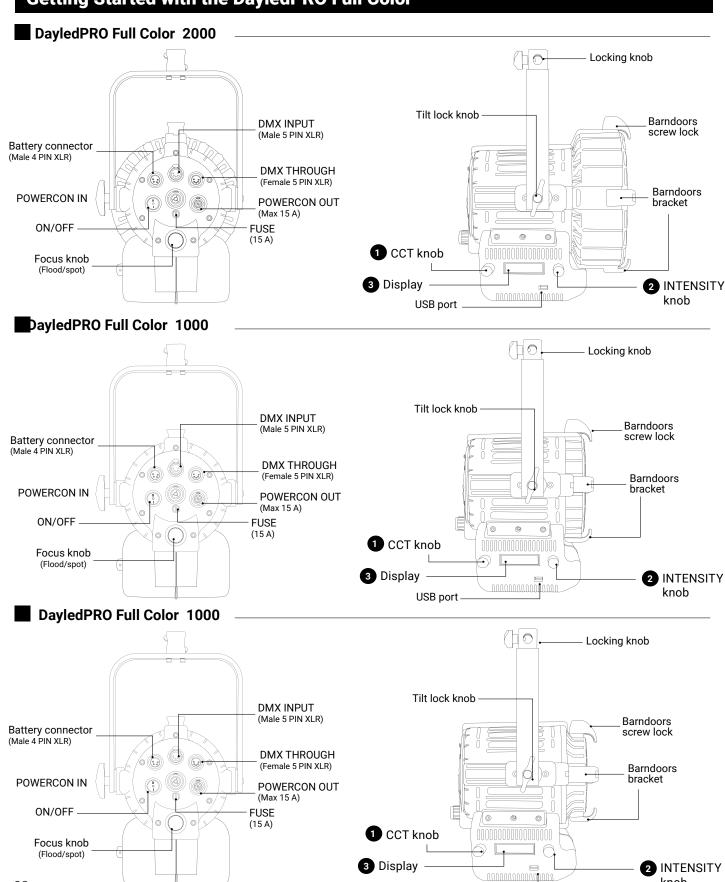
306 PRO DayledPRO Full Color 650 307 PRO DayledPRO Full Color 1000 308 PRO DayledPRO Full Color 2000

Instructions

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- 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.
- DayledPRO models are equipped with new generation high quality powerleds.

Getting Started with the DayledPRO Full Color



USB port

knob

CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CCT		CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- 2. Rotate the ② knob to choose between **8bit / 16bit**, press the ② 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 **2** push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 DayledPRO models 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 **16 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	
	2//*	2 CN COMPENSATION	0 ÷ 5	Ø
	3/4"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
	1 *CTDODE CONTD	4. *STROBE CONTROL	0 ÷ 5	Ø
		4. "STRUDE CUNTRUL	6 ÷ 255	1 ÷ 25 Hz

		1. DIMMER	0 - 255	0 ÷ 100 %
1101	0/4*	2. HUE	0 ÷ 253	0 ÷ 360
HSI	3/4*	3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
RGBW	7/8*	5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
	7/8*	3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
FRGBW		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	3/4*	2 DDECET EDEE7E	0 - 50	NO FREEZE
		3. PRESET 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
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
COT	6/0+	3. COLOR TEMPERATURE - byte 1 4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
CCT	6/8*	5. GN COMPENSATION - byte 1 6. GN COMPENSATION - byte 2	0 ÷ 500 501 ÷ 65535	Ø - 1.00 ÷ + 1.00
		7. *STROBE CONTROL - byte 1 8. *STROBE CONTROL - byte 2	0 ÷ 1300	Ø 1 : 05 Hz
		1. DIMMER - byte 1 2. DIMMER - byte 2	1301 ÷ 65535 0 - 65535	1 ÷ 25 Hz 0 ÷ 100 %
HSI	6/8*	3. HUE - byte 1 4. HUE - byte 2	0 ÷ 65535	0 ÷ 360
ПЭІ	0/6"	5. SATURATION - byte 1 6. SATURATION - byte 2	0 ÷ 65535	0 ÷ 100%
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
	14/164	3. RED - byte 1 4. RED - byte 2	0 - 65535	0 ÷ 100 %
RGBW		5. GREEN - byte 1 6. GREEN - byte 2	0 + 65535	0 ÷ 100 %
KGBW	14/16*	7. BLUE - byte 1 8. BLUE - byte 2	0 + 65535	0 ÷ 100 %
		9. WHITE - byte 1 10. WHITE - byte 2	0 + 65535	0 ÷ 100 %
		11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700

		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
DODW	11/16+	14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
RGBW	14/16*	15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0-03333	0 + 100 %
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2	0 . 00000	0 . 100 %
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2	0 . 00000	0 · 100 /0
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
FRGBW	14/16*	8. BLUE - byte 2	0 : 00000	0 : 100 %
TROBVI	1 17 10	9. WHITE - byte 1 0 ÷ 65535		0 ÷ 100 %
		10. WHITE - byte 2	0 1 00000	0 100 10
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2		
		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
PRESET		2. DIMMER - byte 2		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
	6/8*	4. PRESET - byte 2		
	5, 5	5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535
		6. PRESET FREEZE - byte 2	0 . 1000	freeze
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

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

	1	Г
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ
Personality DUAL COLOR		DMX Personality
	0x01	CCT
D	0x02	PRESET
Personality FULL COLOR	001	DMX Personality
	0x01	CCT
	0x02 0x03	HSI RGBW
		FRGBW
	0x04	LUGDM

	0x05	PRESET
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		1
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands	<u> </u>	
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

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

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

USB PORT

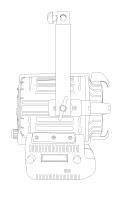
Use USB port for firmware updates.

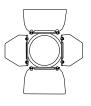
Update the Firmware

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

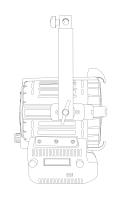
Package Contents for DayledPRO

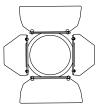
DayledPRO models + Barndoors



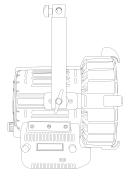


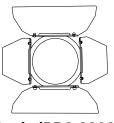






DayledPRO 1000





DayledPRO 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 DAYLEDPRO FULL COLOR 650 AND 1000.

The items are also sold separately.

Battery charger (cod.272)

This charger works with
Lupo 95 Wh and 160 Wh
batteries.

D - Tap cable (cod.313)

DayledPRO 650 / 1000 95 Wh battery (cod.271) Dayled 2000 160 Wh battery (cod.271)

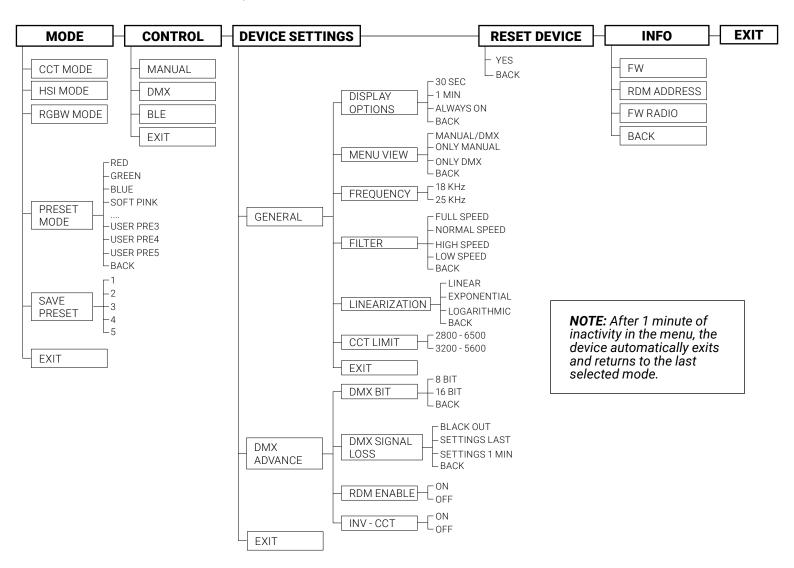
This batteries allows to power all Lupo models with AC/DC functioning.

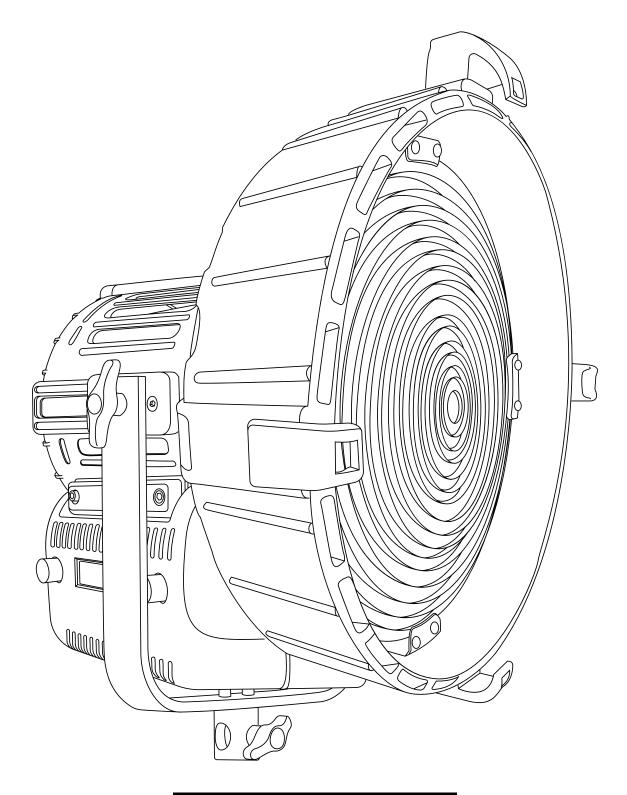
V - Mount clamp (cod.320)

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





User Manuals

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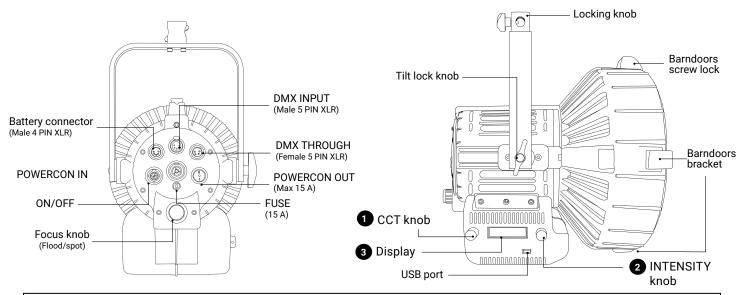


The luminaire should be positioned so that prolonged staring into the luminaire at a distance of 6 m is not expected.

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.
- DayledPRO 3000 models are equipped with new generation high quality powerleds.

Getting Started with the DayledPRO Full Color 3000



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CCT		CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select CONTROL with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the **2** knob to select **DMX ADVANCED**, press the **2** 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 ② 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 DayledPRO models 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
CCT	3/4*	3. GN COMPENSATION	0 ÷ 5	Ø
001	3/4"		6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
			6 ÷ 255	1 ÷ 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
HSI	3/4*	2. HUE	0 ÷ 253	0 ÷ 360
1131	3/4	3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
		4. BLUE	0 ÷ 255	0 ÷ 100 %
RGBW	7/8*	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
	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 %
FRGBW		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

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 05535	0 - 100 %
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 2700
ССТ	6/8*	4. COLOR TEMPERATURE - byte 2	0-05535	6500 - 2700
CCT	0/0"	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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0-03333	0 + 100 %
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
HSI	6/8*	4. HUE - byte 2	0 : 00000	0.300
1101	0/0	5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100%
		6. SATURATION - byte 2		0 . 100%
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 00000	0 100 10
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2	0 00000	0 100 10
		5. GREEN - byte 1	0 + 65535	0 ÷ 100 %
RGBW	14/16*	6. GREEN - byte 2	0 1 00000	
	1 17 10	7. BLUE - byte 1	0 + 65535	0 ÷ 100 %
		8. BLUE - byte 2	0 1 00000	
		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	Ø
RGBW	14/16*	14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. RED - byte 1 4. RED - byte 2	0 ÷ 65535	0 ÷ 100 %
		5. GREEN - byte 1		
		6. GREEN - byte 2	0 ÷ 65535	0 ÷ 100 %
		7. BLUE - byte 1		
	14/16*	8. BLUE - byte 2	0 ÷ 65535	0 ÷ 100 %
FRGBW		9. WHITE - byte 1		
		10. WHITE - byte 2	0 ÷ 65535	0 ÷ 100 %
		11. COLOR TEMPERAT byte 1		
		12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700
		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
PRESET		1. DIMMER - byte 1		
		2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
	6/8*	3. PRESET - byte 1	0 . 65505	0 . 11 55 55 5
		4. PRESET - byte 2	0 ÷ 65535	0 ÷ N PRESET
		5. PRESET FREEZE - byte 1	0 10000 5	51200 ÷ 65535
		6. PRESET FREEZE - byte 2	0 - 12800 > no freeze	freeze
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
	•			•

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color

	T	•
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	CCT
Personality DUAL COLOR		DMX Personality
•	0x01	CCT
	0x02	PRESET
Personality FULL COLOR		DMX Personality
,	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0002	Activate RDM device fo response message
Status collection	0,0000	Activate (tolivi device to response message
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	l] 3
	0,0050	Detrieves a list of all summented DDM
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		Tarana arawa arawa
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				
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		

DEVICE SETTINGS

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

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.

<u>Linearization</u>: 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** 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

DISPLAY: 1 min

FILTER: Normal speed LINEARIZATION: Linear

FREQUENCY: 18 KHz

CONTROL

Manual

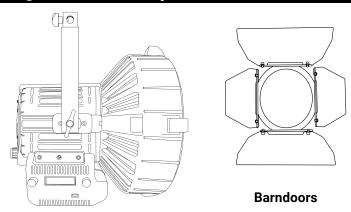
USB PORT

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.

Package Contents for DayledPRO 3000

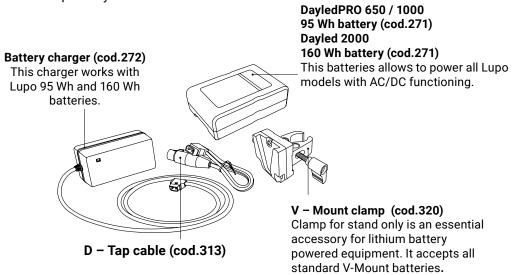


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

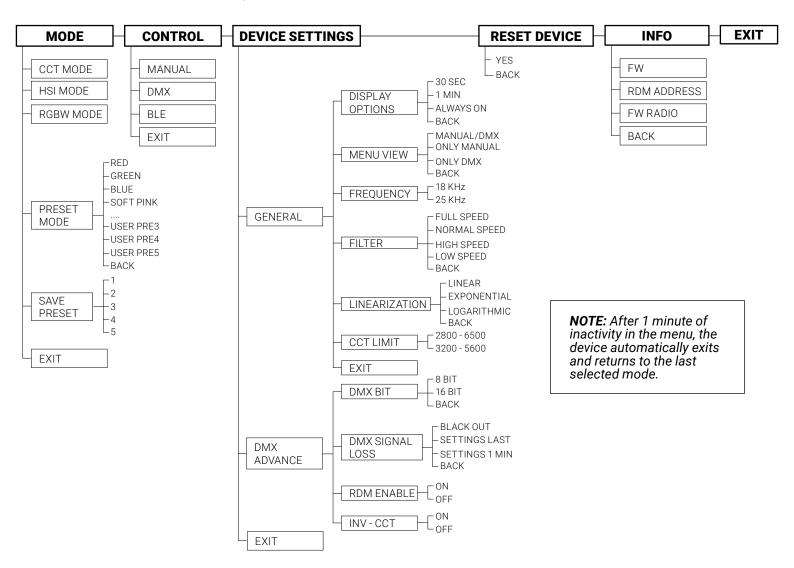
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLEDPRO 3000.

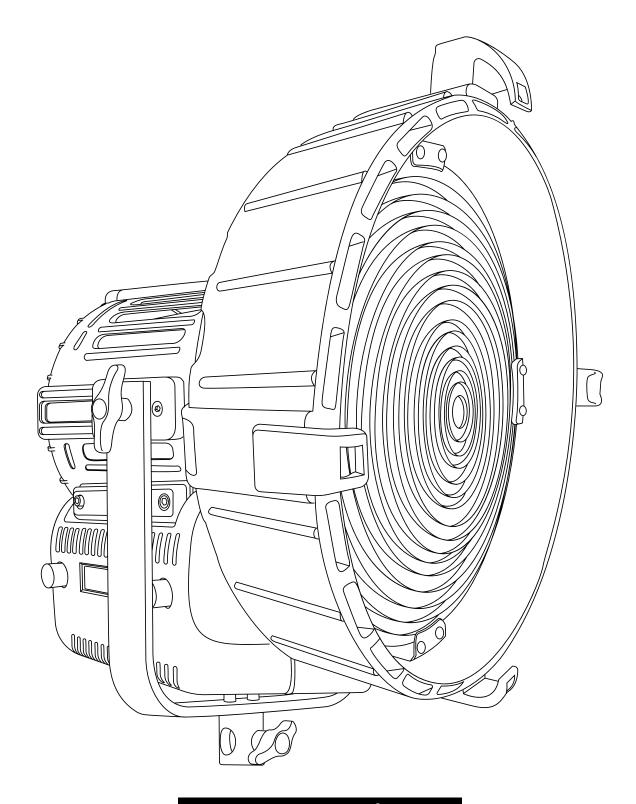
The items are also sold separately.



MENU e submenus

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





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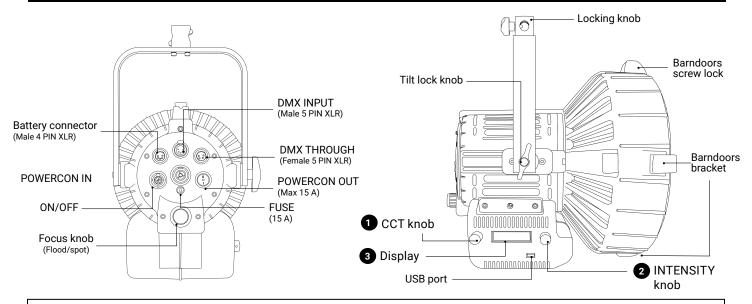


The luminaire should be positioned so that prolonged staring into the luminaire at a distance of 6 m is not expected.

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.
- DayledPRO 5000 models are equipped with new generation high quality powerleds.

Getting Started with the DayledPRO Full Color 5000



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CCT		CT 2800 K to 10000 K	GN - 1.00 to + 1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- Navigate through the main MENU with the 2 knob until DEVICE SETTINGS and press the 2 push button to confirm selection.
- 3. Rotate the **2** knob to select **DMX ADVANCED**, press the **2** 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 ② 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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.

<u>Settings 1min:</u> 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 DayledPRO models 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
CCT	3/4*	3. GN COMPENSATION	0 ÷ 5	Ø
001	3/4"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
		4. "STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
HSI	3/4*	2. HUE	0 ÷ 253	0 ÷ 360
1131	3/4	3. SATURATION	0 ÷ 255	0 ÷ 100 %
		4. *STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. RED	0 ÷ 255	0 ÷ 100 %
		3. GREEN	0 ÷ 255	0 ÷ 100 %
	7/8*	4. BLUE	0 ÷ 255	0 ÷ 100 %
RGBW		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7 CN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
	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 %
FRGBW		5. WHITE	0 ÷ 255	0 ÷ 100 %
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7 CN COMPENSATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	3/4*	0 DDE0ET EDEEZE	0 - 50	NO FREEZE
		3. PRESET FREEZE	200 ÷ 255	FREEZE
		4. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1	DIMMER - byte 1 0 - 65535	
		2. DIMMER - byte 2	0-05535	0 ÷ 100 %
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
ССТ	6/8*	4. COLOR TEMPERATURE - byte 2	0-05555	0300 - 2700
CCT	0/0	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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0-03333	0 - 100 %
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
HSI	6/8*	4. HUE - byte 2	0 - 00000	0 - 300
1131	0/0"	5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100%
		6. SATURATION - byte 2	0 - 00000	0 - 100%
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2	0 00000	0 · 100 %
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2	0 00000	0 · 100 /0
		5. GREEN - byte 1	0 + 65535	0 ÷ 100 %
RGBW	14/16*	6. GREEN - byte 2	0 1 00000	0 . 100 %
I NOBW	1-1/ 10	7. BLUE - byte 1	0 + 65535	0 ÷ 100 %
		8. BLUE - byte 2	0 1 00000	0 . 100 %
		9. WHITE - byte 1	0 + 65535	0 ÷ 100 %
		10. WHITE - byte 2	0 1 00000	
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2		
		13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
RGBW	14/16*	14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
1.0511	1 1, 10	15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		0 100 10
		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 %
FRGBW	14/16*	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	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		15. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
	-	16. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
PRESET	6/8*	4. PRESET - byte 2		F1000 : 45505
		5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535 freeze
		6. PRESET FREEZE - byte 2	0 · 1000	
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø 1 : 25 Uz
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color

		•
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
-	0x01	CCT
Personality DUAL COLOR		DMX Personality
•	0x01	CCT
	0x02	PRESET
Personality FULL COLOR		DMX Personality
,	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
Network management		
DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0002	Mute RDM device, no response message
DISC UN MUTE	0x0002	Activate RDM device fo response message
Status collection	0x0003	Activate (tolivi device to response message
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		3 3
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			
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	

DEVICE SETTINGS

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

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.

<u>Linearization</u>: 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select **YES** rotating the **2** button, press the **2** push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the ② 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

DISPLAY: 1 min

FILTER: Normal speed LINEARIZATION: Linear

FREQUENCY: 18 KHz

CONTROL

Manual

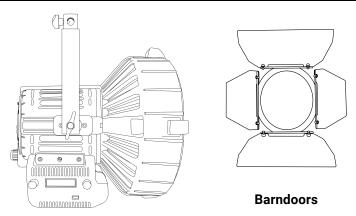
USB PORT

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.

Package Contents for DayledPRO 3000

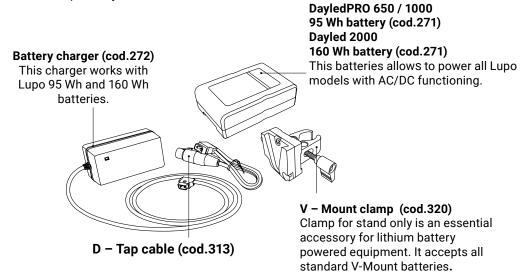


ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

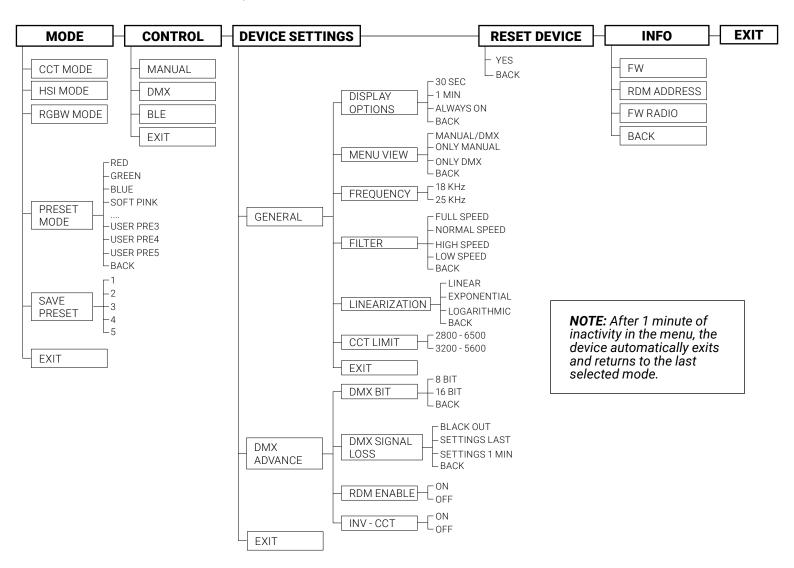
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLEDPRO 3000.

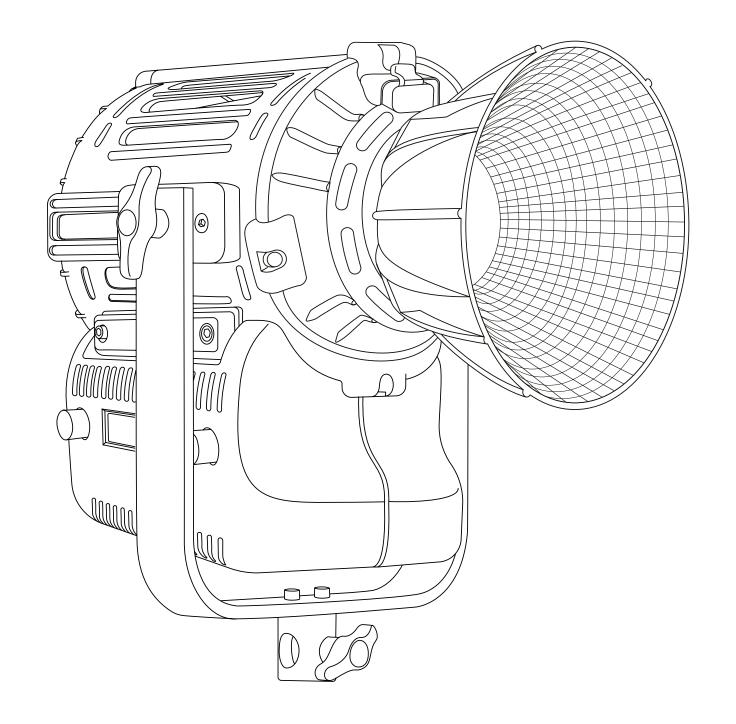
The items are also sold separately.



MENU e submenus

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





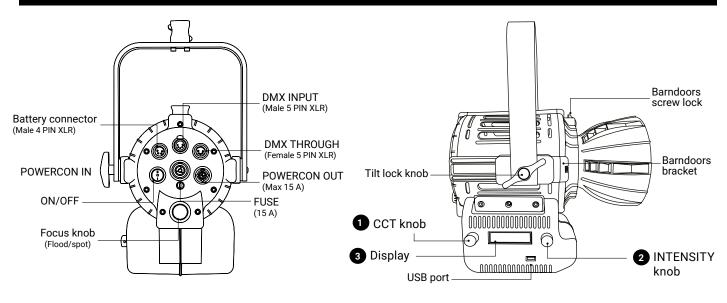
User Manuals

900 MovielightPRO 300 901 MovielightPRO Dual Color 300

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 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MOD	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR 6	GN/SAT/COLOR 6
CC	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 **1** knob changes the CT value- Pressing **1** button select GN value that can be changed by rotating the same **1** knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select **BLE** with the **2** knob and press the **2** push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- Rotate the knob to choose between 8bit / 16bit, press the 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 2 push button
- 2. Rotate the ② knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the ② 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 MovielightPRO models 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 16 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
	2/3*	1. DIMMER	0 - 255	0 - 100 %
CCT		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
(()		3. *STROBE CONTROL	0 ÷ 5	Ø
		3. "STRUBE CUNTRUL	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	0-03333	0 - 100 %
		3. COLOR TEMPERATURE - byte 1	0 65505	6500 0700
		4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		Model identification number
	1	DayledPRO 650 mono color
	2	DayledPRO 650 dual color
	3	DayledPRO 1000 mono color
	4	DayledPRO 1000 dual color
	5	DayledPRO 2000 mono color

46	HyperpanelPRO 60 dual color soft
45	HyperpanelPRO 30 dual color hard
44	HyperpanelPRO 30 dual color soft
43	DayledPRO 5000 full color
42	DayledPRO 5000 dual color
41	DayledPRO 5000 monocolor
40	MovielightPRO 600 dual color
39	DayledPRO 3000 dual color
38	DayledPRO 3000 mono color
37	Movielight 300 full color
36	DayledPRO 3000 full color
 35	DayledPRO 2000 PRO Full Color
34	DayledPRO 1000 PRO Full Color
33	DayledPRO 650 PRO Full Color
32	UltrapanelPRO 60 dual color hard
 31	UltrapanelPRO 60 dual color soft
30	UltrapaneIPRO 30 full color hard
29	UltrapanelPRO 30 full color soft
28	UltrapanelPRO 60 full color hard
 27	UltrapaneIPRO 60 full color soft
26	UltrapanelPRO 30 dual color hard
 25	UltrapanelPRO 30 dual color soft
24	MovielightPRO 300 dual color
23	MovielightPRO 300 monocolor
22	Lupoled dualcolor
21	Lupoled monocolor
20	Kickasspanel full color
19	Kickasspanel dual color
18	ActionpanelPRO full color hard
17	ActionpanelPRO full color soft
16	ActionpanelPRO dual color hard
15	ActionpanelPRO dual color soft
 14	SuperpanelPRO 60 full color hard
13	SuperpanelPRO 60 full color soft
12	SuperpanelPRO 60 dual color hard
11	SuperpanelPRO 60 dual color soft
10	SuperpanelPRO 30 full color hard
9	SuperpanelPRO 30 full color soft
8	SuperpanelPRO 30 dual color hard
7	SuperpanelPRO 30 dual color soft
6	DayledPRO 2000 dual color

Personality DUAL COLOR		DMX Personality
r crosmanty porter or early	0x01	CCT
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	CCT
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
	0x05	PRESET
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	ı	
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	I	
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
L	1	

DEVICE SETTINGS

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

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.

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS**.

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

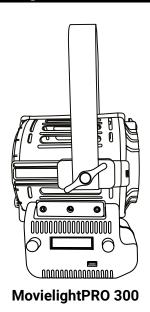
USB PORT

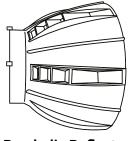
Use USB port for firmware updates.

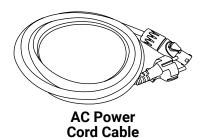
Update the Firmware

- 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;
- 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 MovielightPRO 300







Parabolic Reflector

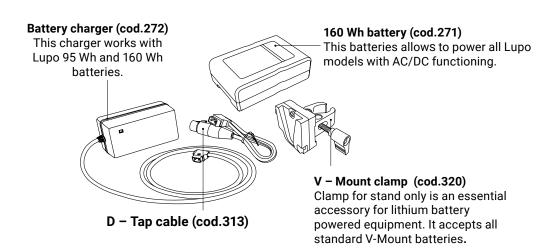
ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

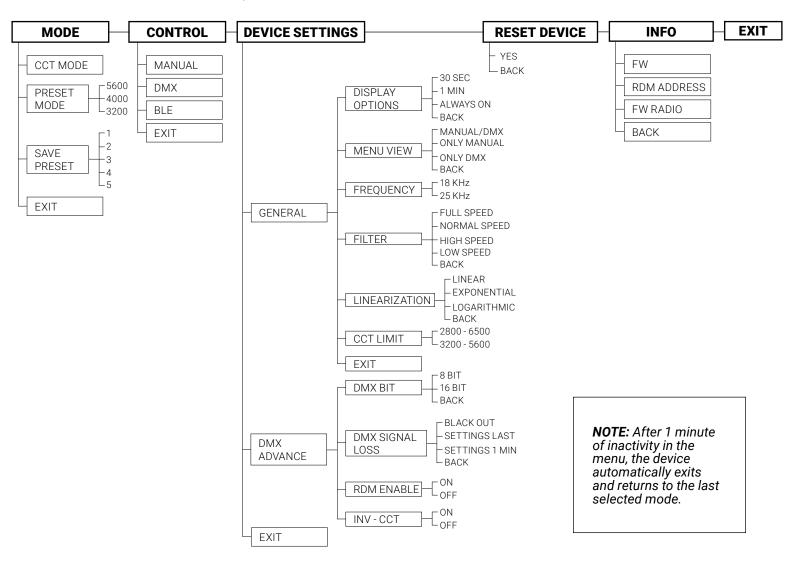
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR MOVIELIGHTPRO 300

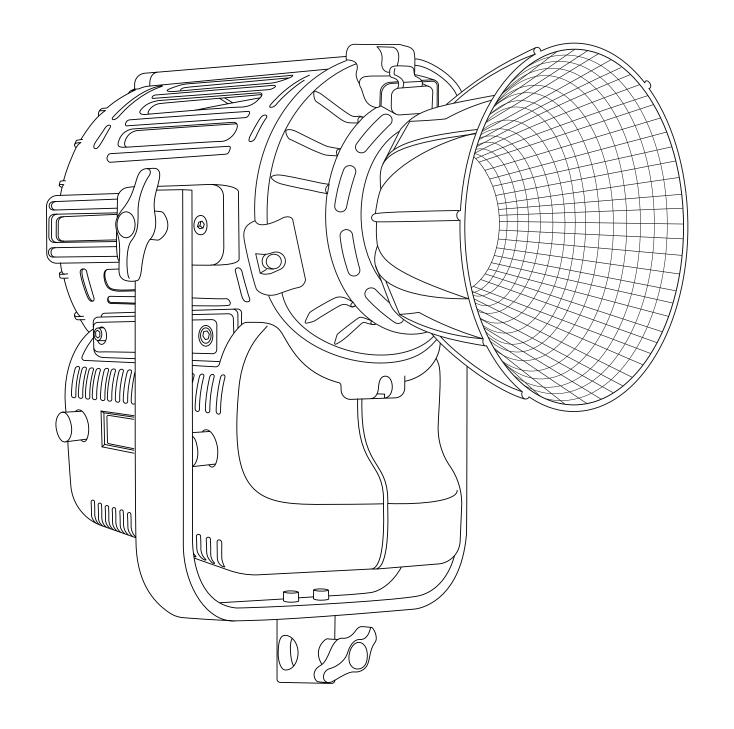
The items are also sold separately.



MENU e submenus

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





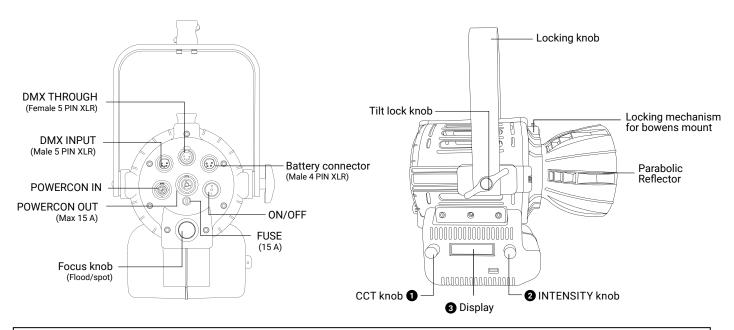
User Manuals

904 MovielightPRO Full Color 300

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 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 6	CCT/HUE 6	GN/SAT/COLOR 6	«▼» ① «▲»③
CCT		CT 2800K to 10000K	GN -1.00 to +1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATION

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 3. Select **DMX** with the 2 knob and press the 2 push button to confirm selection.
- 4. Select the DMX channel, rotating the knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATION - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- 2. Rotate the ② knob to choose between **8bit / 16bit**, press the ② 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 2 push button
- 2. Rotate the ② knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the ② 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 MovielightPRO models 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
CCT	2/4*	3. GN COMPENSATION	0 ÷ 5	Ø
CCT	2/4*	3. GN COMPLINSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
		4. STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz
		1. DIMMER	0 - 255	0 - 100 %
HSI	3	2. HUE	0 - 255	6500 - 2700
		3. SATURATION	0 ÷ 255	0 ÷ 100%
		1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
RGBW	7	4. BLUE	6 ÷ 255	0 ÷ 100%
KGDVV	,	5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GIN COMPLINSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
	7	3. GREEN	0 ÷ 255	0 ÷ 100%
FRGBW		4. BLUE	6 ÷ 255	0 ÷ 100%
INGDW		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7. GN COMPENSATION	0 ÷ 5	Ø
		7. GIN COMPLINSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	4	3. PRESET FREEZE	0 - 50	NO FREEZE
		J. FRESETT RELZE	200 ÷ 255	FREEZE
		4. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz

DMX Channel Protocol - 16 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1 2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
0.07		3. COLOR TEMPERATURE - byte 1 4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
CCT	8	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

		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1 3. HUE - byte 1		
HSI	6	4. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		5. SATURATION - byte 1		
		6. SATURATION - byte 2	0 ÷ 65535	0 ÷ 100 %
		1. DIMMER - byte 1		
		2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		3. RED - byte 1		
		4. RED - byte 2	0 - 65535	0 ÷ 100 %
		5. GREEN - byte 1		
		6. GREEN - byte 2	0 ÷ 65535	0 ÷ 100 %
		7. BLUE - byte 1		
RGBW	14	8. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		9. WHITE - byte 1	0 (5505	0.000
		10. WHITE - byte 2	0 ÷ 65535	0 ÷ 360
		11. COLOR TEMPERAT byte 1	0 (5505	6500 0700
		12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700
		13. GN COMPENSATION- byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	0-05555	0 - 100 %
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2	0 . 00000	0 · 100 /0
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2	0 . 00000	0 + 100 %
FRGBW		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
TRODV		8. BLUE - byte 1	0 : 00000	0 · 100 /0
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2	0 1 00000	0 . 000
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2		
		13. GN COMPENSATION- byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
PRESET	6	4. PRESET - byte 2		
		5. PRESET FREEZE - byte 1	0 - 12800 >	51200 ÷ 65535
		6. PRESET FREEZE - byte 2	NO FREEZE	FREEZE
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø 1 : 25 Hz
1		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

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

	1_	D. J. IDDO 0000
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapaneIPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapaneIPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
<u> </u>	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	CCT

Personality DUAL COLOR		DMX Personality
	0x01	ССТ
	0x02	PRESET
Personality FULL COLOR		DMX Personality
	0x01	ССТ
	0x02	HSI
	0x03	RGBW
	0x04	FRGBW
N	0x05	PRESET
Network management DISC UNIQUE BRANCH	0x0001	Search RDM devices
DISC MUTE	0x0001	
DISC WOTE	0x0002	Mute RDM device, no response message Activate RDM device fo response message
Status collection	0x0003	Activate RDM device to response message
		Retrieves queued messages or status message if no
QUEUED MESAGES	0x0020	message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information	I	
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	L	
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	I	
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands		, , , ,
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	0x8004 0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8005	0: linear 1: exponential 2: logarithmic
LINEARIZATION	0.0000	o. micar i. exponentiai z. logaritiiniic

BLUETOOTH

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

<u>Filter:</u> It is the speed response of the system (smooth factor).

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

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **2** button, press the **2** push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

MODE	DEVICE SETTINGS
CCT	DISPLAY: 1 min
	FILTER : Normal speed
DMX OPERATION	LINEARIZATION: Linear
BIT: 8 BIT	FREQUENCY: 18 KHz
MX SIGNAL LOSS: Settings 1 MIN	
RDM ENABLE: OFF	CONTROL
NV - CCT: OFF	Manual

USB port

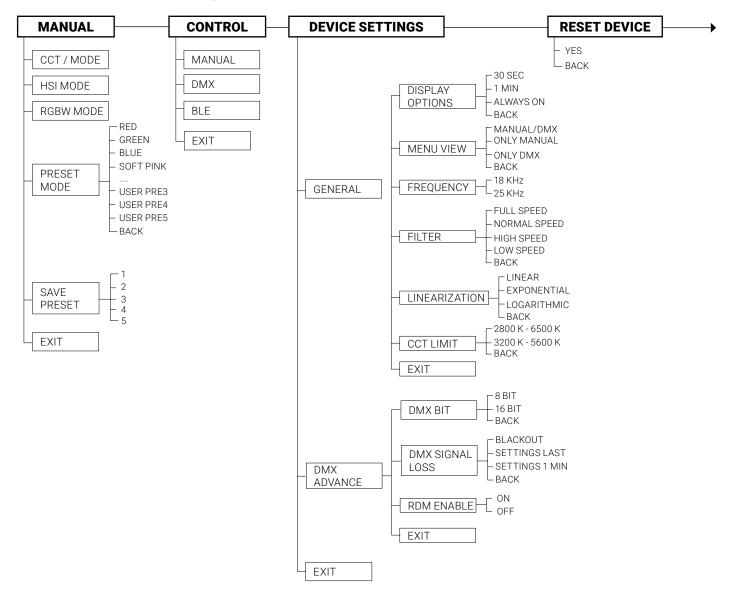
Use USB port for firmware updates.

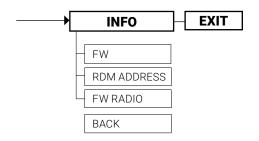
Update the Firmware

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

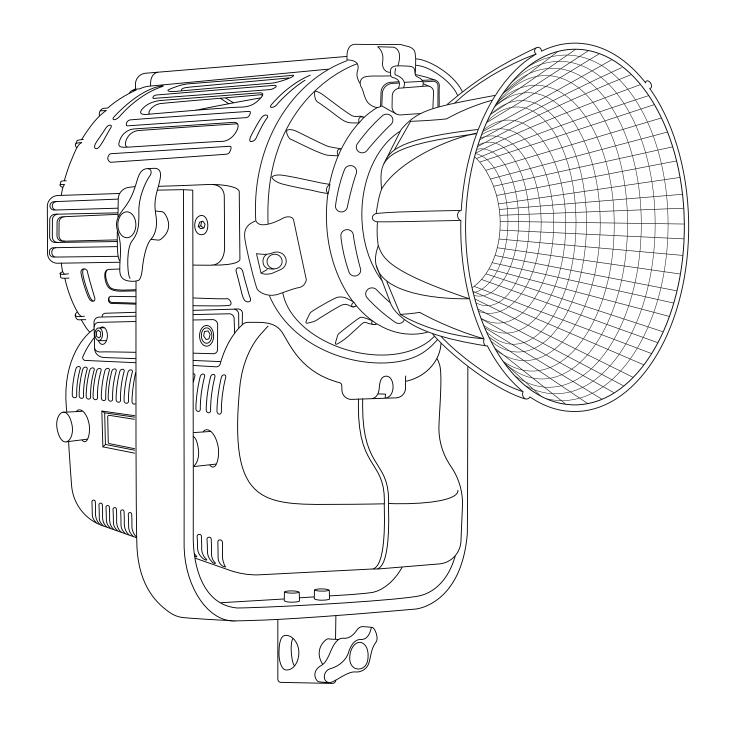
MENU e submenus

- 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.



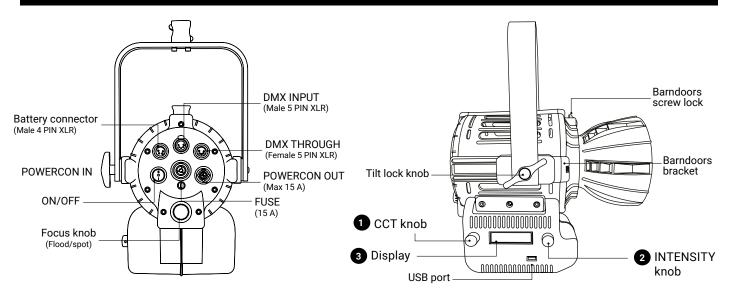
User Manuals

906 MovielightPRO Dual Color 600

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 600



CONTROL PANEL

- In current mode press the 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 2 knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 5	GN/SAT/COLOR 6	GN/SAT/COLOR 6
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 ● knob changes the CT value- Pressing ● button select GN value that can be changed by rotating the same ● knob.

DMX OPERATIONS

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the 2 knob and press the 2 push button to confirm selection.
- 4. Select the DMX channel, rotating the **1** knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display **3** 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the **2** knob and press the **2** push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATIONS - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- 2. Rotate the 2 knob to choose between **8bit / 16bit**, press the 2 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 MovielightPRO models 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 16 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
	1. DIMMER - byt		0 (5505	0 . 100 %
	4/6*	2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
CCT		3. COLOR TEMPERATURE - byte 1	0 65505	6500 0700
CCT		4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700
		5. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		6. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

COMMAND	PID	DESCRIPTION		
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).		
Device Identification				
Model ID		Model identification number		
	1	DayledPRO 650 mono color		
	2	DayledPRO 650 dual color		
	3	DayledPRO 1000 mono color		
	4	DayledPRO 1000 dual color		
	5	DayledPRO 2000 mono color		

	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	25	MovielightPRO 300 dual color UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	Moviellanteko 600 tuli color
Personality MONOCOLOR	48	MovielightPRO 600 full color DMX Personality

Personality DUAL COLOR		DMX Personality		
	0x01	ССТ		
	0x02	PRESET		
Personality FULL COLOR		DMX Personality		
	0x01	ССТ		
	0x02	HSI		
	0x03	RGBW		
	0x04	FRGBW		
	0x05	PRESET		
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				
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		

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

<u>Filter:</u> It is the speed response of the system (smooth factor).

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

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **2** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

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

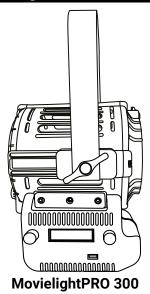
USB PORT

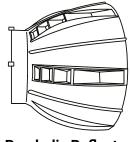
Use USB port for firmware updates.

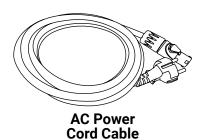
Update the Firmware

- 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;
- 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 MovielightPRO 300







Parabolic Reflector

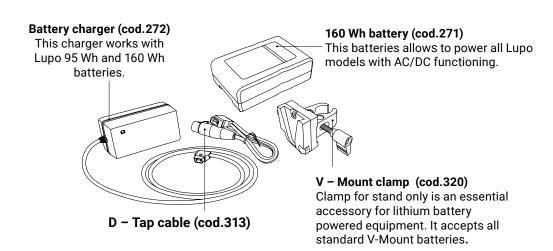
▲ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

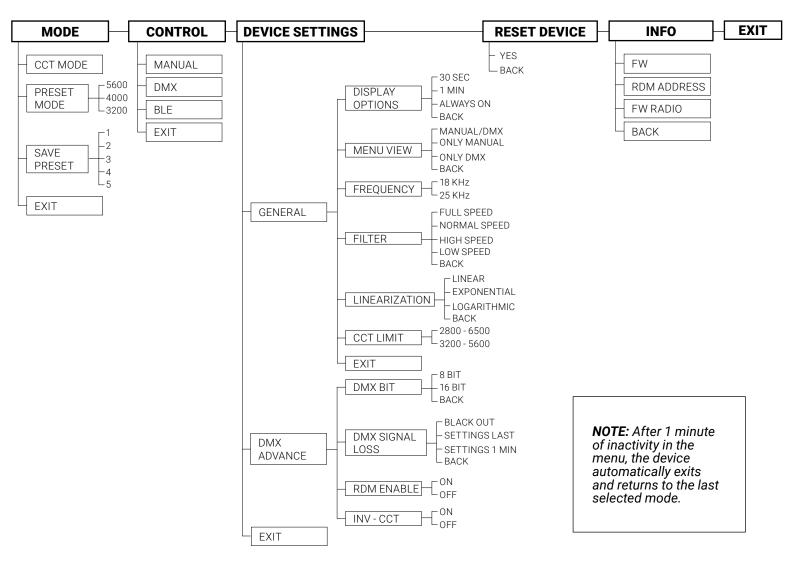
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR MOVIELIGHTPRO 300

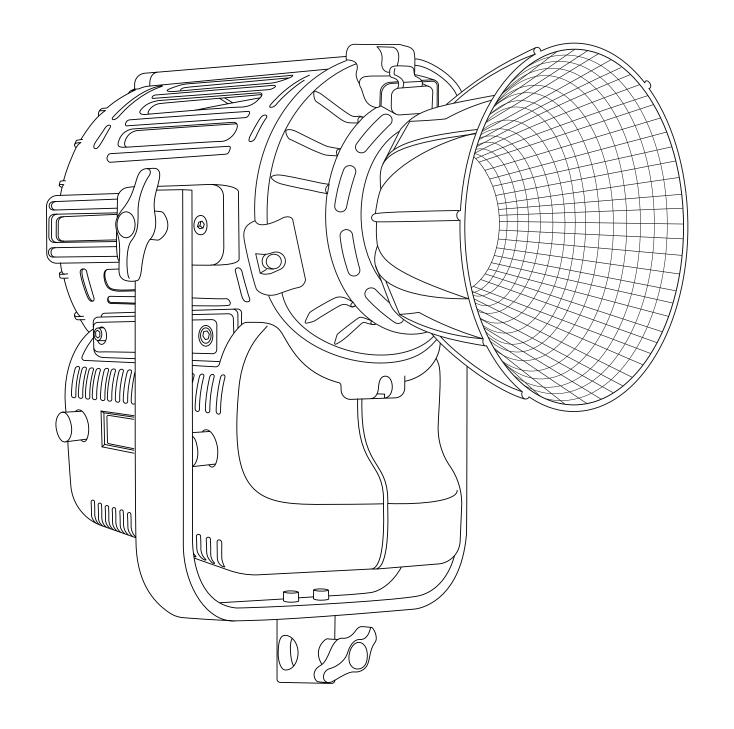
The items are also sold separately.



MENU e submenus

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





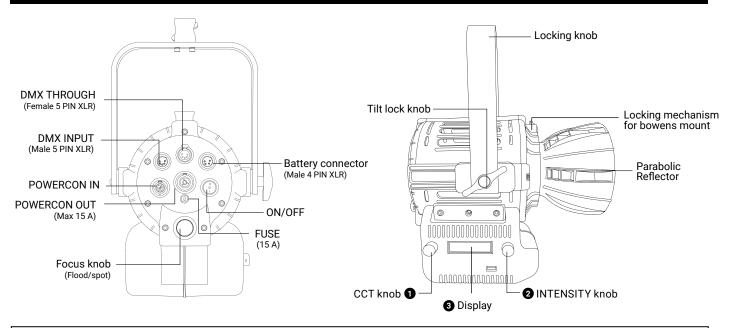
User Manuals

909 MovielightPRO Full Color 600

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 2 push button to enter the main MENU.
- In the sub-menus press the 2 push button to confirm a selection.
- Rotate the 2 knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » ② knob to adjust the light intensity from 0 to 100%.
- Use the knob 1 to adjust the light mode parameters.
- Display 3.

MODE

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

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR @	« ▼ » ① « ▲ » ③
CCT		CT 2800K to 10000K	GN -1.00 to +1.00	-
HSI	Light Intensity	HUE 0° to 100°	SAT 0 to 100%	-
RGBW	Light Intensity from 0 to 100%	-	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 2 button, confirm the selection by pressing the 2 push button.
- 3. Use the knob 2 to change the DIMMER and the knob 1 to adjust the effect setting values.

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

DMX OPERATION

- 1. Press the 2 push button to enter the main MENU.
- 2. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 3. Select **DMX** with the **2** knob and press the **2** push button to confirm selection.
- 4. Select the DMX channel, rotating the knob to change DMX ADDRESS in ascending or descending order among 1 and 512. The number shown on the display 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 2 push button to enter the main MENU.
- 1. Select **CONTROL** with the 2 knob and press the 2 push button to confirm selection.
- 2. Select BLE with the 2 knob and press the 2 push button to confirm selection.

DMX OPERATION - Advanced Settings

- 1. Press the 2 push button to enter the main MENU.
- 2. Navigate through the main MENU with the 2 knob until **DEVICE SETTINGS** and press the 2 push button to confirm selection.
- 3. Rotate the 2 knob to select DMX ADVANCED, press the 2 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 ② 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 **2** push button.
- 2. Rotate the ② knob to choose between **8bit / 16bit**, press the ② 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 2 push button
- 2. Rotate the 2 knob to select the device's behaviour among **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the 2 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 MovielightPRO models 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 16 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
		1. DIMMER	0 - 255	0 - 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700
ССТ	2/4*	3. GN COMPENSATION	0 ÷ 5	Ø
	2/4	3. GN COMPLNSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
		4. STROBE CONTROL	6 ÷ 255	1 ÷ 25 Hz
		1. DIMMER	0 - 255	0 - 100 %
HSI	3	2. HUE	0 - 255	6500 - 2700
		3. SATURATION	0 ÷ 255	0 ÷ 100%
		1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
RGBW	7	4. BLUE	6 ÷ 255	0 ÷ 100%
RGBW	/	5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7 011 0014 DENIGATION	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
	7	1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
FRGBW		4. BLUE	6 ÷ 255	0 ÷ 100%
FRGBVV		5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
			0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		1. DIMMER	0 - 255	0 ÷ 100 %
	4	2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET		3. PRESET FREEZE	0 - 50	NO FREEZE
		J. PRESET 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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	0 00000	0 : 100 %
	CCT 8	3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
CCT		4. COLOR TEMPERATURE - byte 2	0-03333	0300-2700
		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	6	1. DIMMER - byte 1 2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		3. HUE - byte 1	0 ÷ 65535	0 ÷ 360
		4. HUE - byte 2		0 1 000
	5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100 %	
		6. SATURATION - byte 2 1. DIMMER - byte 1		
		2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		3. RED - byte 1	DED - byto 1	
		4. RED - byte 2 0 - 65535		0 ÷ 100 %
		5. GREEN - byte 1		
		6. GREEN - byte 2	0 = 00000	0 ÷ 100 %
RGBW	14	7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
1.05**		8. BLUE - byte 1	0 1 00000	0 1 100 70
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT byte 1 12. COLOR TEMPERAT byte 2	0 - 65535	6500 - 2700
		13. GN COMPENSATION- byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		1. DIMMER - byte 1		
		2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2	0 : 00000	
		5. GREEN - byte 1	0 ÷ 65535	
	14	6. GREEN - byte 2		0 ÷ 100 %
FRGBW		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1 9. WHITE - byte 1		
		10. WHITE - byte 2	0 ÷ 65535	0 ÷ 360
		11. COLOR TEMPERAT byte 1		6500 - 2700
		12. COLOR TEMPERAT byte 2	0 - 65535	
		13. GN COMPENSATION- byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
	8	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	0 00000	J . 100 %
		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
PRESET		4. PRESET - byte 2		51200 ÷ 65535
		5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2	0 - 12800 > NO FREEZE	FREEZE
		7. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		8. *STROBE CONTROL - byte 2	1301 ÷ 65535	1 ÷ 25 Hz

RDMProtocol Specification

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

	T _	D 1 1000 0000
	5	DayledPRO 2000 mono color
	6	DayledPRO 2000 dual color
	7	SuperpanelPRO 30 dual color soft
	8	SuperpanelPRO 30 dual color hard
	9	SuperpanelPRO 30 full color soft
	10	SuperpanelPRO 30 full color hard
	11	SuperpanelPRO 60 dual color soft
	12	SuperpanelPRO 60 dual color hard
	13	SuperpanelPRO 60 full color soft
	14	SuperpanelPRO 60 full color hard
	15	ActionpanelPRO dual color soft
	16	ActionpanelPRO dual color hard
	17	ActionpanelPRO full color soft
	18	ActionpanelPRO full color hard
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	MovielightPRO 300 monocolor
	24	MovielightPRO 300 dual color
	25	UltrapanelPRO 30 dual color soft
	26	UltrapanelPRO 30 dual color hard
	27	UltrapanelPRO 60 full color soft
	28	UltrapanelPRO 60 full color hard
	29	UltrapanelPRO 30 full color soft
	30	UltrapanelPRO 30 full color hard
	31	UltrapanelPRO 60 dual color soft
	32	UltrapanelPRO 60 dual color hard
	33	DayledPRO 650 PRO Full Color
	34	DayledPRO 1000 PRO Full Color
	35	DayledPRO 2000 PRO Full Color
	36	DayledPRO 3000 full color
	37	Movielight 300 full color
	38	DayledPRO 3000 mono color
	39	DayledPRO 3000 dual color
	40	MovielightPRO 600 dual color
	41	DayledPRO 5000 monocolor
	42	DayledPRO 5000 dual color
	43	DayledPRO 5000 full color
	44	HyperpanelPRO 30 dual color soft
	45	HyperpanelPRO 30 dual color hard
	46	HyperpanelPRO 60 dual color soft
	47	HyperpanelPRO 60 dual color hard
	48	MovielightPRO 600 full color
Personality MONOCOLOR		DMX Personality
	0x01	ССТ

Personality DUAL COLOR		DMX Personality	
	0x01	ССТ	
	0x02	PRESET	
Personality FULL COLOR		DMX Personality	
	0x01	ССТ	
	0x02	HSI	
	0x03	RGBW	
	0x04	FRGBW	
	0x05	PRESET	
Network management	T		
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	Г		
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			
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	
L	1		

BLUETOOTH

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

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.**

<u>Linearization:</u> 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 » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the 2 button, press the 2 push button to confirm the selection.
- 3. Select YES rotating the 2 button, press the 2 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **②** push button.**THE DEVICE RETURNS TO FACTORY DEFAULT SETTINGS.**

FACTORY DEFAULT SETTING

MODE CCT DISPLAY: 1 min

DMX OPERATIONFILTER: Normal speedBIT: 8 BITLINEARIZATION: LinearFREQUENCY: 18 KHz

DMX SIGNAL LOSS: Settings 1 MIN

RDM ENABLE: OFF
INV - CCT: OFF

Manual

USB port

Use USB port for firmware updates.

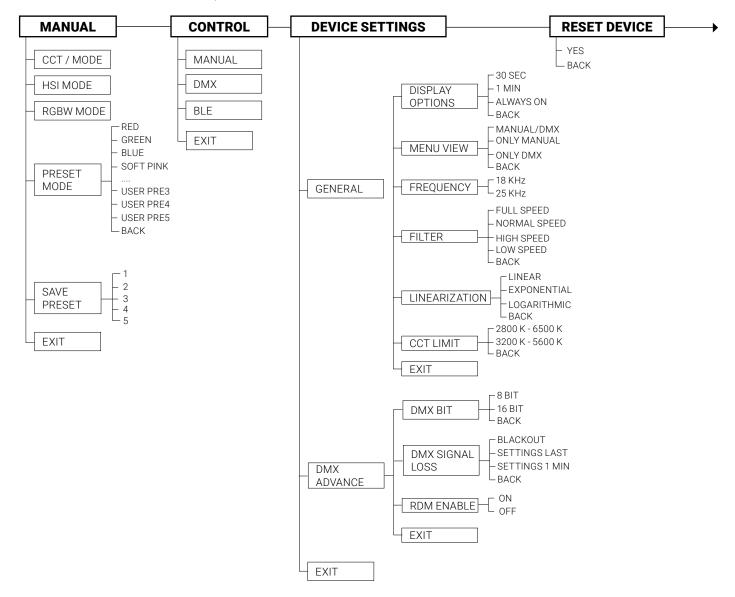
Update the Firmware

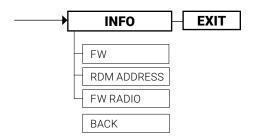
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- Switch off the equipment and insert the USB Pendrive;
- Switch on the equipment;

- 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.

