

User Manuals

Release 8.xx

SuperpanelPRO 30

Full Color / Dual Color

SuperpanelPRO 60

Full Color / Dual Color

UltrapanelPRO 30

Full Color / Dual Color

UltrapanelPRO 60

Full Color / Dual Color

Actionpanel

Full Color / Dual Color

DayledPRO

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

MovielightPRO

Monocolor / Dual Color

SAFETY PRECAUTIONS:

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

CAUTION - BURN HAZARD - HOT PARTSDo 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.

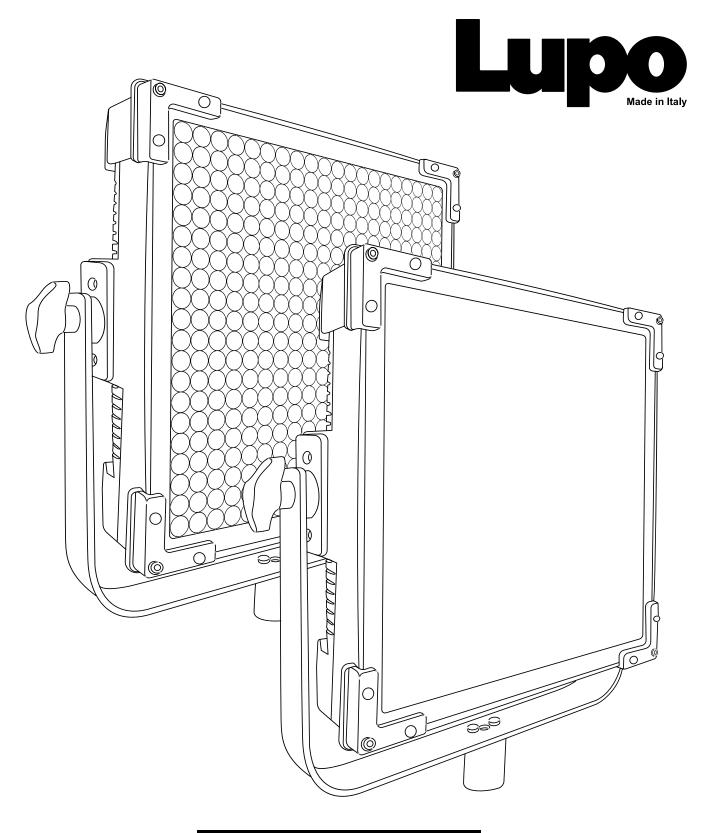
Barndoors should always be secured to the yoke when used in this way.

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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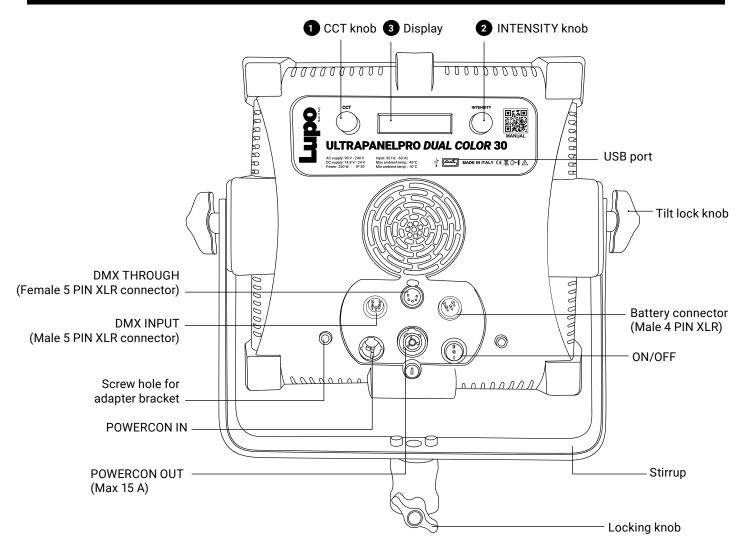
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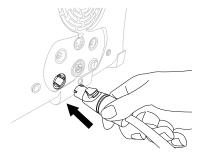
Instructions

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

Getting Started with the SuperpanelPRO 30 and the UltrapanelPRO 30



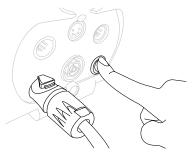
Turning on the SuperpanelPRO 30 and the UltrapanelPRO 30



1 Insert the POWERCON



2 Rotate it by 15° until makes a click



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.

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

MODE

- 1. Press the 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 6 knob and press the 6 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

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		1. DIMMER	0 - 255	0 - 100 %
	2/3*	2. COLOR TEMPERATURE	0 - 255	6500 - 2700
	2/3"	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	
CCT	4/6*	3. COLOR TEMPERATURE - byte 1	0 ([[0]	6500 - 2700
(()		4. COLOR TEMPERATURE - byte 2	0 - 65535	0300 - 2700
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *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	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color

Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC UNIQUE BRANCH 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 a list of all supported RDM commands PRAMETER DESCRIPTION 0x0051 Retrieves a list of all supported RDM commands Product Information EVICE INFO 0x0060 0x0060 Retrieves a variety of information about the device that is normally required by a controller. Text description of up to 32 characters for the device model type. 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 0x0000 DMX mode DMX PERSONALITY 0x0061 DMX mode DMX START ADDRESS 0x0070 DMX address Control DIENTEY DEVICE 0x1000 DMX address Control DIENTEY DEVICE 0x1000 0x8001 Ox8001 Ox8002 Ox8003 Ox8003 Ox8004 Ox8004 Ox8004 Ox8005 Ox8006 Ox8006 Ox8007 Ox8007 Ox8007 Ox8007 Ox8008 Ox8007 Ox8008 Ox8008 Ox8009 Ox8008 Ox8009 Ox8009 Ox8009 Ox8008 Ox8009 Ox8	Personality		DMX Personality
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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. 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 DMX PERSONALITY 0x00E0 DMX mode DMX mode DMX personality DESCRIPTION 0x00E1 Shows a description of a DMX-Mode, max 32 characters DMX START ADDRESS 0x00F0 DMX address Control IDENTIFY DEVICE 0x1000 The identify flag (flashes the light) Manufacturer Commands FAN MODE 0x8001 0: Off 1: On DISPLAY TIMEOUT 0x8002 0: 30 sec 1: 1 min 2: always on DMX SIGNAL LOST MODE 0x8003 0: black out 1: last settings on 2: last settings 1 min DMX BITS 0x8004 0: 8 bit 1: 16 bit 0CCT LIMIT 0x8005 0: 2800-10000 1: 3200-5600 LINEARIZATION 0x8006 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
DEVICE MODEL DESCRIPTION Text description of up to 32 characters for the device model type. This parameter provides an ASCII text response with the Manufacturer name for the device. "LUPO" is the default name. FACTORY DEFAULTS DEVICE MODEL DEVIC	Product Information		
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SOFTWARE VERSION LABEL SOFTWARE VERSION LABEL DMX512 Setup DMX PERSONALITY DMX PERSONALITY DMX PERSONALITY DESCRIPTION DMX address Control IDENTIFY DEVICE DX8001 DISPLAY TIMEOUT DX8002 DX8003 DX8003 DX8004 DX8004 DX8005 DX8005 DX8006 DX8006 DX8006 DX8006 DX8007 DX8006 Control Contro	MANUFACTURER LABEL	0x0081	Manufacturer name for the device. "LUPO" is the default
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DMX PERSONALITY 0x00E0 DMX mode DMX PERSONALITY DESCRIPTION 0x00E1 Shows a description of a DMX-Mode, max 32 characters DMX START ADDRESS 0x00F0 DMX address Control IDENTIFY DEVICE 0x1000 The identify flag (flashes the light) Manufacturer Commands FAN MODE FAN MODE 0x8001 0: Off 1: On DISPLAY TIMEOUT 0x8002 0: 30 sec 1: 1 min 2: always on DMX SIGNAL LOST MODE 0x8003 0: black out 1: last settings on 2: last settings 1 min DMX BITS 0x8004 0: 8 bit 1: 16 bit CCT LIMIT 0x8005 0: 2800-10000 1: 3200-5600 LINEARIZATION 0x8006 0: linear 1: exponential 2: logarithmic FILTER 0x8007 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software
DMX PERSONALITY DESCRIPTION 0x00E1 Shows a description of a DMX-Mode, max 32 characters DMX START ADDRESS 0x00F0 DMX address Control IDENTIFY DEVICE 0x1000 The identify flag (flashes the light) Manufacturer Commands FAN MODE 0x8001 0: Off 1: On DISPLAY TIMEOUT 0x8002 0: 30 sec 1: 1 min 2: always on DMX SIGNAL LOST MODE 0x8003 0: black out 1: last settings on 2: last settings 1 min DMX BITS 0x8004 0: 8 bit 1: 16 bit CCT LIMIT 0x8005 0: 2800-10000 1: 3200-5600 LINEARIZATION 0x8006 0: linear 1: exponential 2: logarithmic FILTER 0x8007 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	DMX512 Setup		
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IDENTIFY DEVICE		0x00E1	Shows a description of a DMX-Mode, max 32 characters
IDENTIFY DEVICE 0x1000 The identify flag (flashes the light) Manufacturer Commands FAN MODE 0x8001 0: Off 1: On DISPLAY TIMEOUT 0x8002 0: 30 sec 1: 1 min 2: always on DMX SIGNAL LOST MODE 0x8003 0: black out 1: last settings on 2: last settings 1 min DMX BITS 0x8004 0: 8 bit 1: 16 bit CCT LIMIT 0x8005 0: 2800-10000 1: 3200-5600 LINEARIZATION 0x8006 0: linear 1: exponential 2: logarithmic FILTER 0x8007 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	DMX START ADDRESS	0x00F0	DMX address
Manufacturer Commands FAN MODE 0x8001 0: Off 1: On DISPLAY TIMEOUT 0x8002 0: 30 sec 1: 1 min 2: always on DMX SIGNAL LOST MODE 0x8003 0: black out 1: last settings on 2: last settings 1 min DMX BITS 0x8004 0: 8 bit 1: 16 bit CCT LIMIT 0x8005 0: 2800-10000 1: 3200-5600 LINEARIZATION 0x8006 0: linear 1: exponential 2: logarithmic FILTER 0x8007 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	Control		
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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	DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
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	DMX BITS	0x8004	0: 8 bit 1: 16 bit
FILTER 0x8007 0: full speed 1: normal speed 2: high speed 3: low speed FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
FREQUENCY 0x8008 0: 18 KHz 1: 25 KHz	LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic
	FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed
INV - CCT 0x8009 0: not inverted 1: inverted	FREQUENCY	0x8008	0: 18 KHz 1: 25 KHz
	INV - CCT	0x8009	0: not inverted 1: inverted

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.

Fan Power: Fan operation ON / OFF.

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

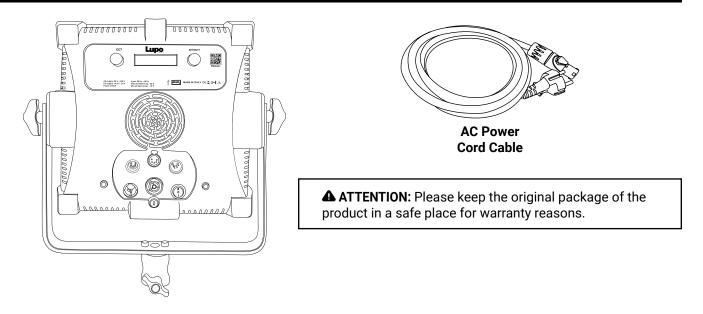
USB PORT

Use USB port for firmware updates.

Update the Firmware

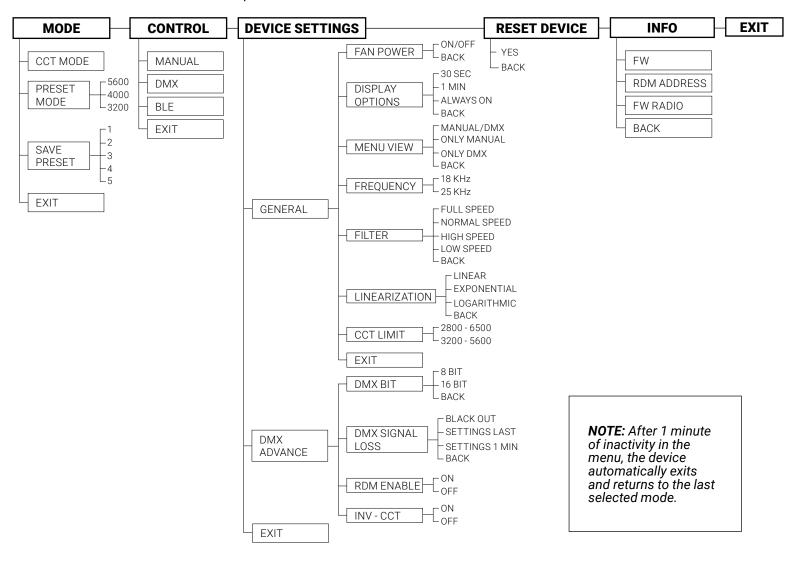
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;
- 4. Wait until display backlight stop flashing (it takes several minutes and display backligh must toggle for all time long);
- 5. Switch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

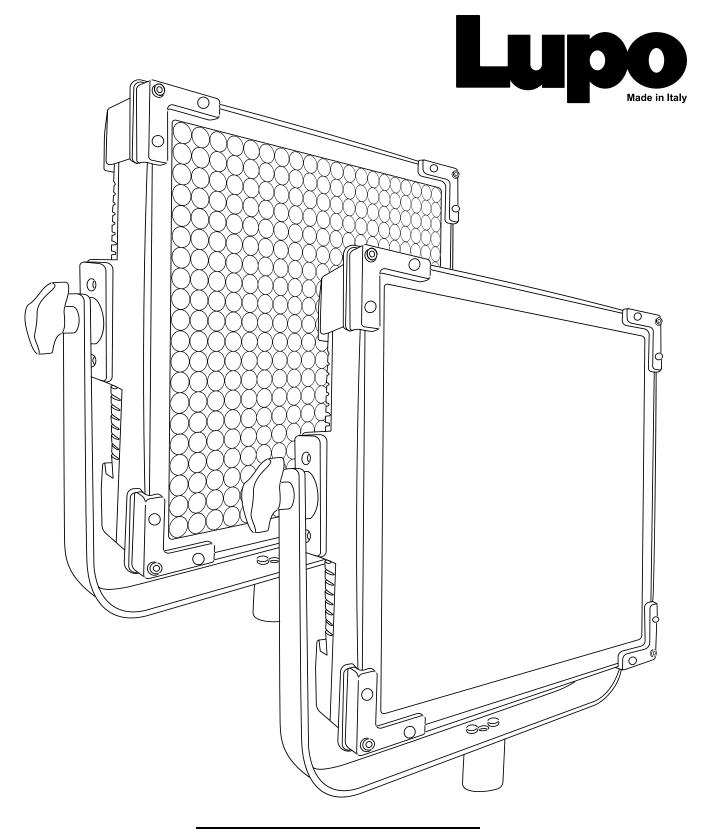
Package Contents for SuperpanelPRO 30 and UltrapanelPRO 30



MENU e submenus

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





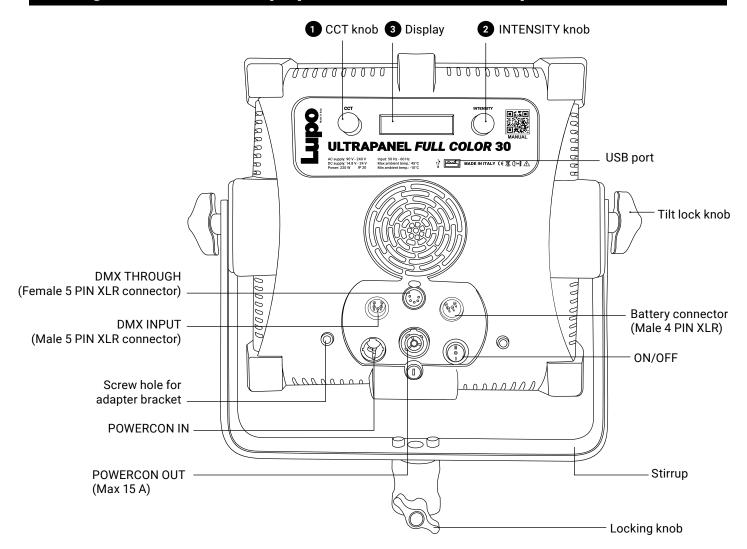
User Manuals

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

Instructions

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

Getting Started with the SuperpanelPRO 30 and the UltrapanelPRO 30



Turning on the SuperpanelPRO 30 and the UltrapanelPRO 30



1 Insert the POWERCON



2 Rotate it by 15° until makes a click



3 Turn ON the power switch:

0: OFF I: AC power

II : Battery power

CONTROL PANEL

- In current mode press the 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.

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

MODE

- 1. Press the 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.
- 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 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 %
	3/4*	2. COLOR TEMPERATURE	0 - 255	6500 - 2700
CCT		3. GN COMPENSATION	0 ÷ 5	Ø
001			6 ÷ 255	- 1,00 ÷ + 1,00
		4. *STROBE CONTROL	0 ÷ 5	Ø
			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 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. GN COMPENSATION	0 ÷ 5	Ø
		7. GIN COMPLINSATION	6 ÷ 255	- 1.00 ÷ +1.00
		8. * STROBE CONTROL	0 ÷ 255	0 - 25 Hz
PRESET		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
	3/4*	3. PRESET FREEZE	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
		3. *STROBE CONTROL - byte 1 3. *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%
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *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 %
KGDW	14/10	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

RGBW	14/16*	13. GN COMPENSATION - byte 1	0 ÷ 500	Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
RGBW	14/10^	3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *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 %
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
FRGBW	14/16*	8. BLUE - byte 2	0 . 00000	0 . 100 %
TRODVV		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 100 %
		10. WHITE - byte 2	0 . 00000	0 · 100 /0
		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
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *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 /0
PRESET		3. PRESET - byte 1	0 ÷ 65535	0 ÷ N PRESET
	6/8*	4. PRESET - byte 2		J · INTINEOLT
	0,0	5. PRESET FREEZE - byte 1	0 - 12800 > no freeze	51200 ÷ 65535
		6. PRESET FREEZE - byte 2		treeze
		3. *STROBE CONTROL - byte 1	0 ÷ 1300	Ø
		3. *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	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens

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

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

DEVICE SETTINGS

- 1. Press the 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.

Fan Power: Fan operation ON / OFF.

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

 $\underline{\underline{\textbf{Filter:}}}$ 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 FAN: ON **DMX OPERATION** DISPLAY: 1 min BIT: 8 BIT FILTER: Normal speed LINEARIZATION: Linear DMX SIGNAL LOSS: Settings 1 MIN RDM ENABLE: OFF FREQUENCY: 18 KHz INV - CCT: OFF **CONTROL** Manual

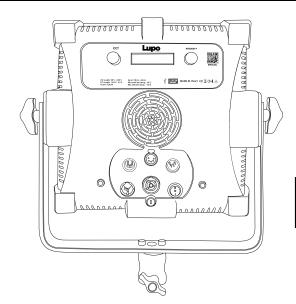
USB PORT

Use USB port for firmware updates.

Update the Firmware

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

Package Contents for SuperpanelPRO 30 and UltrapanelPRO 30



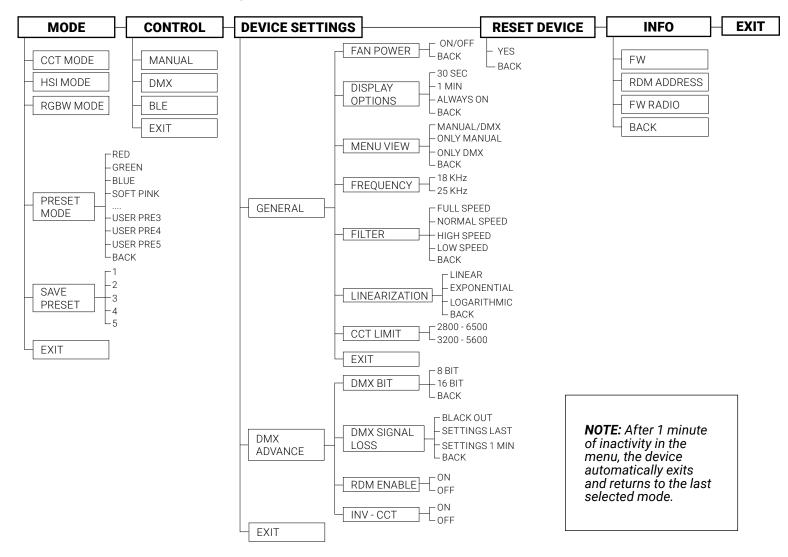


Cord Cable

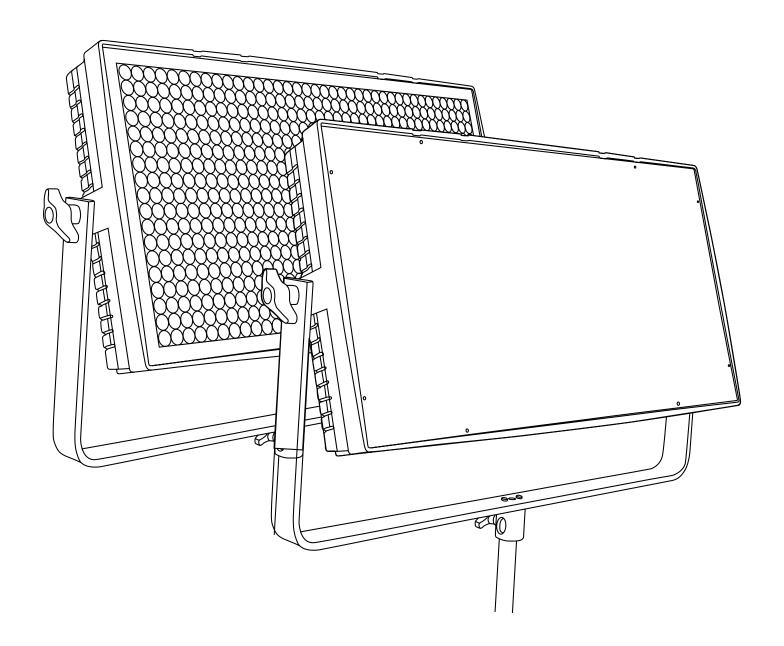
ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

MENU e submenus

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







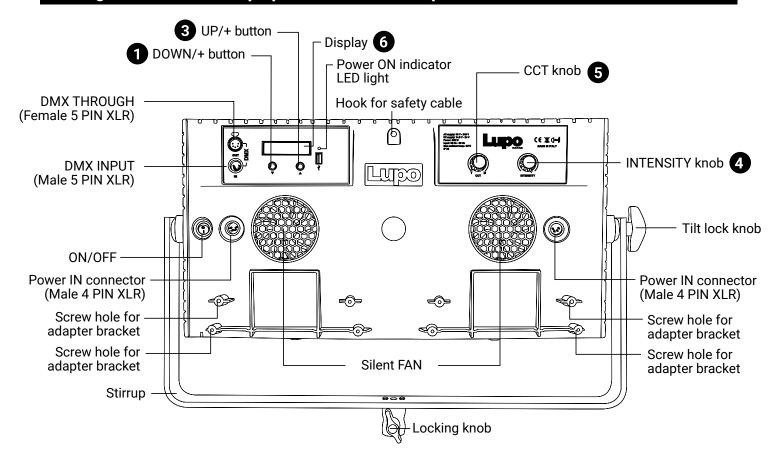
User Manuals

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

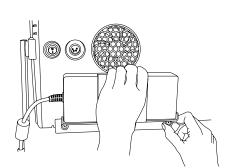
Instructions

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

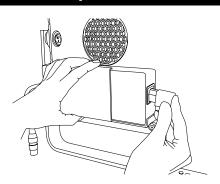
Getting Started with the Superpanel 60 and the Ultrapanel 60



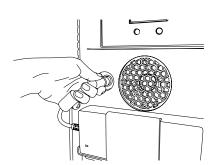
Turning on the Superpanel 60 and the Ultrapanel 60



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



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



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

CONTROL PANEL

- In current mode press the 5 push button to enter the main MENU.
- In the sub-menus press the 6 push button to confirm a selection.
- Rotate the **6** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » knob to adjust the *light intensity from 0 to 100%*.
- Use the knobs 5 and 6 to adjust the light mode parameters.
- Display 7.

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

MANUAL OPERATION

- 1. Press the **5** push button to enter the main MENU.
- 2. Select **MANUAL** by pressing the **6** push button.
- 3. Select the light mode between CCT with the 5 knob and press the 5 push button to confirm selection.
- 4. See LIGHT MODES.

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR @	«▼» ↑ «▲» ③
CCT	Light Intensity	CT 6500 K to 2800 K	GN -1.00 to +1.00	-

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

- 1. In MANUAL OPTIONS or DMX MODE menu select **EFFECT MODE**.
- 2. Select the EFFECT to be activated with rotate the 5 button, confirm the selection by pressing the 5 push button.
- 3. In current mode, use the « ▼ » ① o « ▲ » ② button to change the EFFECT in ascending or descending order. **THE EFFECT ON THE DISPLAY IS THE SELECTED EFFECT.**
- 4. Use the knobs 6 and 4 to adjust the effect setting values. See table below.

DMX OPERATION

- 1. Press the 5 push button to enter the main MENU.
- 2. Select **DMX** with the **6** knob and press the **6** push button to confirm selection.
- 3. Select the light mode between *CCT* with the 3 knob and press the 3 push button to confirm selection.
- 4. Select the DMX channel, rotating the **6** knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display **6** is the selected channel to communicate with the control desk.
- 1. See **DMX PROTOCOL MANUAL** to DMX channel specification.

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

BLUETOOTH

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the main MENU with the **6** knob and press the **6** push button to confirm selection.
- 3. Rotate the **6** knob to select **BLE**, press the **6** push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the main MENU with the 6 knob and press the 9 push button to confirm selection.
- 3. Rotate the 6 knob to select *DMX ADVANCED*, press the 6 push button to confirm selection.
- 4. Select one of the options among the **DMX BIT, DMX SIGNAL LOSS** and **RDM ENABLE** press **9** 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 **5** push button.
- 2. Rotate the **6** knob to choose between **8bit / 16bit**, press the **9** 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 **9** push button
- 2. Rotate the **6** knob to select the device's behaviour between **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the **6** 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

RDMProtocol Specification

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

	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft
	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		DMX Personality
	0x01	сст
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		3
QUEUED MESAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
RDM Information		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
Product Information		
DEVICE INFO	0x0060	Retrieves a variety of information about the device that is normally required by a controller.
DEVICE MODEL DESCRIPTION	0x0080	Text description of up to 32 characters for the device model type.
MANUFACTURER LABEL	0x0081	This parameter provides an ASCII text response with the Manufacturer name for the device. "LUPO" is the default name.
FACTORY DEFAULTS	0x0090	Set the device to its factory defaults. Get: Check if settings still in default state -> 1 if default
SOFTWARE VERSION LABEL	0x00C0	Retrieves software version string of main software

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

LIGHT MODES

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the MENU rotating the 6 button, select **DEVICE SETTINGS**, press the 6 push button to confirm the selection.
- 3. Navigate through the FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION functions, rotating the **5** button to select the desired function and press the **5** push button to confirm the selection.
- 4. Within each function select the option to be activated and rotate the § button.

Fan: Fan operation. ON / OFF.

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

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

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

<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 **3** button, press the **5** push button to confirm the selection.
- 3. Select YES rotating the 5 button, press the 5 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **5** push button.**THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS**.

FACTORY DEFAULT SETTING

MANUAL OPERATION DEVICE SETTINGS

MODE: CCT FAN: ON

DISPLAY: 1 min

DMX OPERATIONMENU VIEW: Manual/DMXMODE: CCTFILTER: Normal speedBIT: 8 BITLINEARIZATION: LinearDMX SIGNAL LOSS: Settings 1 MINFREQUENCY: 18 KHz

RDM ENABLE: OFF BLUETOOTH

INV - CCT: OFF Bluetooth Active: OFF

DMX OPERATION - DMX Protocol

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

DMX Channel Protocol - 8 bit

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

USB PORT

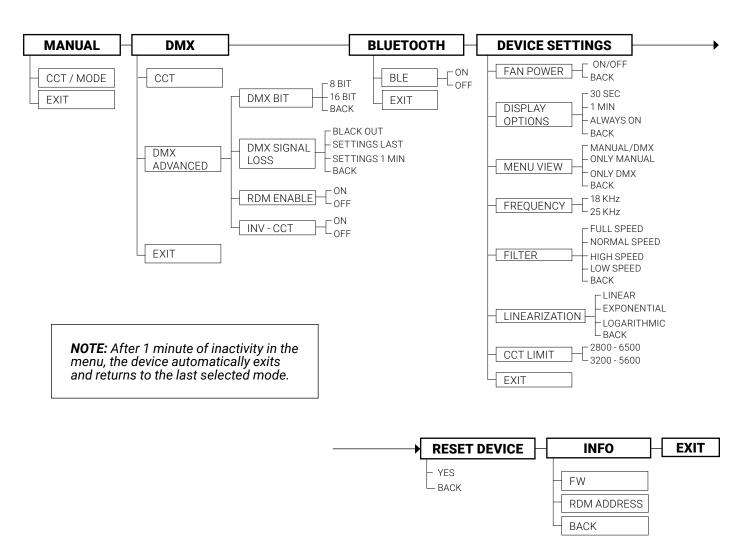
Use USB port for firmware updates.

Update the Firmware

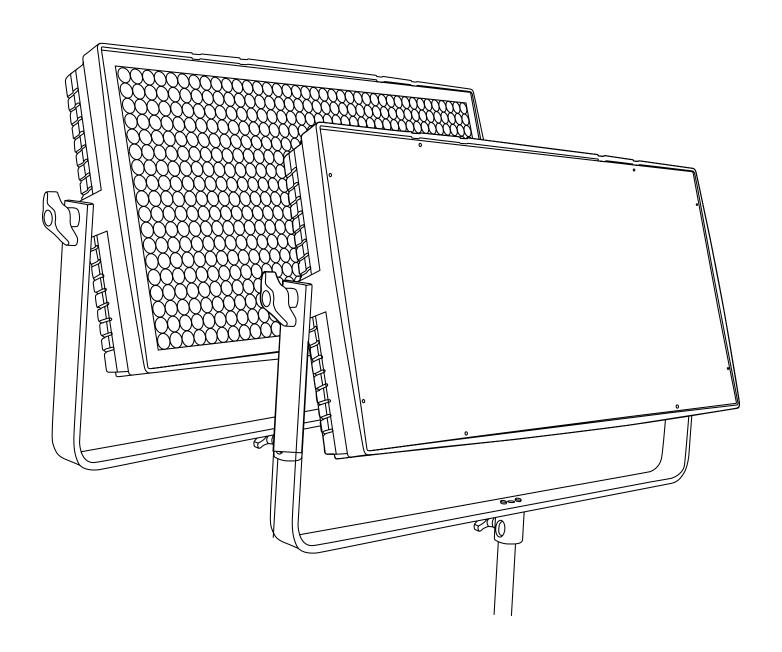
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;
- Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
- 5. Switch off the equipment;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







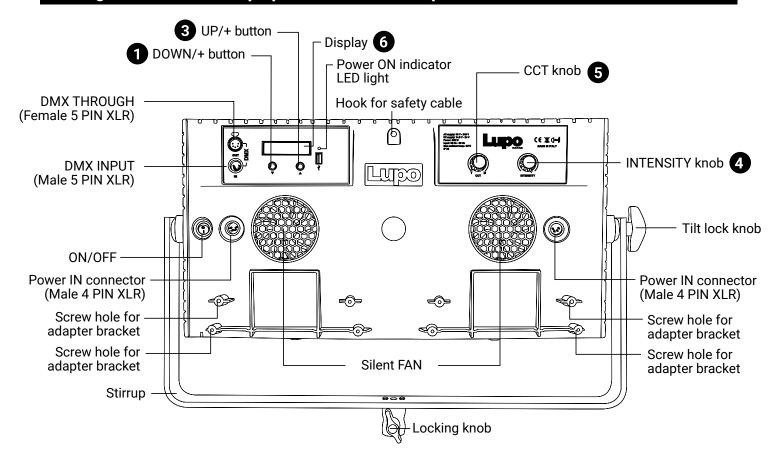
User Manuals

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

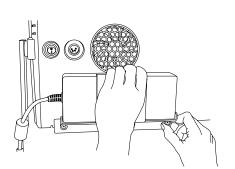
Instructions

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

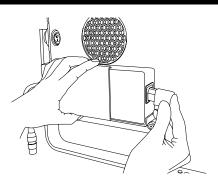
Getting Started with the Superpanel 60 and the Ultrapanel 60



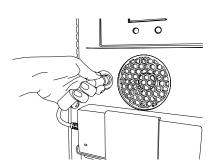
Turning on the Superpanel 60 and the Ultrapanel 60



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



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



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

CONTROL PANEL

- In current mode press the 5 push button to enter the main MENU.
- In the sub-menus press the 6 push button to confirm a selection.
- Rotate the **6** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 4 knob to adjust the light intensity from 0 to 100%.
- Use the knobs 5 and 6 to adjust the light mode parameters.
- Display 7.

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

MANUAL OPERATION

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

LIGHT MODES

MODE	INTENSITY 6	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

- **A. CCT MODE:** Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. This is the default setting.
- **B. HSI MODE:** Colour composition mode. It allows you to adjust hue of colour (HUE), colour saturation (SAT) and light intensity.
- **C. RGBW MODE:** RGBW colour control mode allows to individually set the R, G, B, W, Color Temperature (CT), green/magenta compensation (GN) values and to adjust light intensity
- **D. FRGBW MODE:** Available only in DMX operation. Same as RGBW but with white color power unlimited. See **DMX PROTOCOL MANUAL.**
- **E. PRESET MODE:** Mode with 53 PRESET colors, 48 factory preset and 5 user-defined preset.
- 1. In MANUAL OPTIONS or DMX MODE menu select PRESET MODE.
- 2. Select the PRESET to be activated rotate the **6** button, confirm the selection by pressing the **6** push button.
- 3. Use the « INTENSITY » 4 knob to adjust the light intensity from 0 to 100%.

SAVING THE SET VALUES AS A PRESET

You can store up to 5 PRESETS.

- 1. In MANUAL select **SAVE PRESET** by pressing the **6** push button.
- 2. Save the set values in one of the available presets between *USER PRESET 1/2/3/4/5* rotate the **6** knob to select the PRESET number and press the **6** push button to confirm the selection. *THE SET COLOR IS SAVED AS PRESET*.

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

DMX OPERATION

- 1. Press the **6** push button to enter the main MENU.
- 2. Select **DMX** with the **6** knob and press the **6** push button to confirm selection.
- 3. Select the light mode between *CCT / HSI / RGBW / FRGBW / PRESET* with the sknob and press the push button to confirm selection.
- 4. Select the DMX channel, rotating the **6** knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display **6** is the selected channel to communicate with the control desk.
- 1. See DMX PROTOCOL MANUAL to DMX channel specification.

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

BLUETOOTH

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the main MENU with the 6 knob and press the 6 push button to confirm selection.
- 3. Rotate the **6** knob to select **BLE**, press the **6** push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

- 1. Press the 6 push button to enter the main MENU.
- 2. Navigate through the main MENU with the **5** knob and press the **5** push button to confirm selection.
- 3. Rotate the 6 knob to select DMX ADVANCED, press the 6 push button to confirm selection.
- Select one of the options among the DMX BIT, DMX SIGNAL LOSS and RDM ENABLE, press 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 **5** push button.
- 2. Rotate the **6** knob to choose between **8bit / 16bit**, press the **6** 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 6 push button
- 2. Rotate the **⑤** knob to select the device's behaviour between **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the **⑤** push button to confirm the setting.

Black out: The device switches off.

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

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

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

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.

(See DMX OPERATION - advanced settings in the user's manual).

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

the range of 0 to 255. When used in 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	2/3*	3. GN COMPENSATION	0 ÷ 5	Ø
001	2/3"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
		3. "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%
DODW	7	4. BLUE	6 ÷ 255	0 ÷ 100%
RGBW		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
		1. DIMMER	0 - 255	0 ÷ 100%
	7	2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
		4. BLUE	6 ÷ 255	0 ÷ 100%
FRGBW	7	5. WHITE	0 ÷ 255	0 ÷ 100%
		6. COLOR TEMPERATURE	0 - 255	6500 - 2700
		7 0 1 0 0 1 0 0 1 0 1	0 ÷ 5	Ø
		7. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		1. DIMMER	0 - 255	0 ÷ 100 %
DDECET		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	4	2 DDEOET EDEE7E	0 - 50	NO FREEZE
		3. PRESET FREEZE	200 ÷ 255	FREEZE

DMX Channel Protocol - 16 bit

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

		4 50 4 455		1
RGBW	14	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1		
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		0 100 10
		5. GREEN - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. GREEN - byte 2	0 . 00000	
		7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		8. BLUE - byte 1	0 - 00000	
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2	0 - 00000	
		11. COLOR TEMPERAT byte 1	0 (5505	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
	14	1. DIMMER - byte 1		0 ÷ 100 %
		2. DIMMER - byte 1	0 - 65535	
		3. RED - byte 1	0 (5505	0 ÷ 100 %
		4. RED - byte 2	0 ÷ 65535	
		5. GREEN - byte 1	0 (5505	0 ÷ 100 %
		6. GREEN - byte 2	0 ÷ 65535	
55.051.1		7. BLUE - byte 1	0 (5505	0 ÷ 100 %
FRGBW		8. BLUE - byte 1	0 ÷ 65535	
		9. WHITE - byte 1		0 ÷ 360
		10. WHITE - byte 2	0 ÷ 65535	
		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
PRESET	6	1. DIMMER - byte 1		0 ÷ 100 %
		2. DIMMER - byte 1	0 - 65535	
		3. PRESET - byte 1		
		4. PRESET - byte 2	0 ÷ 65535	0 ÷ 100 %
		5. PRESET FREEZE - byte 1	0 - 12800 >	51200 ÷ 65535
		ý	NO FREEZE	FREEZE
		6. PRESET FREEZE - byte 2	INU FREEZE	LKEEZE

RDMProtocol Specification

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

S			
		5	Dayled 2000 mono color
Superpanel 30 dual color lens		6	Dayled 2000 dual color
9 Superpanel 30 full color soft		7	Superpanel 30 dual color soft
10 Superpanel 30 full color lens		8	Superpanel 30 dual color lens
11		9	Superpanel 30 full color soft
12 Superpanel 60 dual color lens		10	Superpanel 30 full color lens
13		11	Superpanel 60 dual color soft
14		12	Superpanel 60 dual color lens
15		13	Superpanel 60 full color soft
16		14	Superpanel 60 full color lens
17		15	Actionpanel dual color soft
18		16	Actionpanel dual color lens
19		17	Actionpanel full color soft
20		18	Actionpanel full color lens
21		19	Kickasspanel dual color
22		20	Kickasspanel full color
23		21	Lupoled monocolor
24 Movielight dual color		22	Lupoled dualcolor
25 Ultrapanel 30 dual color soft 26 Ultrapanel 30 dual color lens 27 Ultrapanel 60 full color soft 28 Ultrapanel 60 full color lens 29 Ultrapanel 30 full color soft 30 Ultrapanel 30 full color soft 31 Ultrapanel 30 full color lens 31 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color 40 DMX Personality 40 DMX Personality 50 DMX Personality 60 DMX Perso		23	Movielight monocolor
26		24	Movielight dual color
27		25	Ultrapanel 30 dual color soft
28 Ultrapanel 60 full color lens 29 Ultrapanel 30 full color soft 30 Ultrapanel 30 full color soft 31 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC UN MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0030 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		26	Ultrapanel 30 dual color lens
29 Ultrapanel 30 full color soft 30 Ultrapanel 30 full color lens 31 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality 0x01 CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC UN MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0030 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		27	Ultrapanel 60 full color soft
30 Ultrapanel 30 full color lens 31 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC UN MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0030 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		28	Ultrapanel 60 full color lens
31 Ultrapanel 60 dual color soft 32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality Ox01 CCT Network management DISC UNIQUE BRANCH Ox0001 Search RDM devices DISC MUTE Ox0002 Mute RDM device, no response message DISC UN MUTE Ox0003 Activate RDM device fo response message Status collection QUEUED MESAGES Ox0020 Retrieves queued messages or status message if no message is in queue STATUS MESSAGES Ox0030 Retrieves current Warning/Error messages RDM Information SUPPORTED PARAMETERS Ox0050 Retrieves a list of all supported RDM commands		29	Ultrapanel 30 full color soft
32 Ultrapanel 60 dual color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality Ox01 CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0020 Retrieves queued messages or status message if no message is in queue STATUS MESSAGES 0x0030 Retrieves current Warning/Error messages RDM Information SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands		30	Ultrapanel 30 full color lens
33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color Personality DMX Personality 0x01 CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0020 Retrieves queued messages or status message if no message is in queue STATUS MESSAGES 0x0030 Retrieves current Warning/Error messages RDM Information SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands		31	Ultrapanel 60 dual color soft
34 Dayled 1000 PRO Full Color		32	Ultrapanel 60 dual color lens
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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	Status collection		
RDM Information SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands	QUEUED MESAGES	0x0020	
SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands		0x0030	Retrieves current Warning/Error messages
	RDM Information		
PARAMETER DESCRIPTION 0x0051 Retrieves a list of all RDM commands	SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
	PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands

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

DEVICE SETTINGS

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the MENU rotating the **6** button, select **DEVICE SETTINGS**, press the **6** push button to confirm the selection.
- 3. Navigate through the FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT functions, rotating the 6 button to select the desired function and press the 6 push button to confirm the selection.
- 4. Within each function select the option to be activated and rotate the 6 button.

Fan: Fan operation. ON / OFF.

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

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

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

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

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

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

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

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

RESET DEVICE

- 1. Press the « OK » 2 button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **6** button, press the **6** push button to confirm the selection.
- 3. Select YES rotating the 3 button, press the 3 push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **6** push button.**THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS**.

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

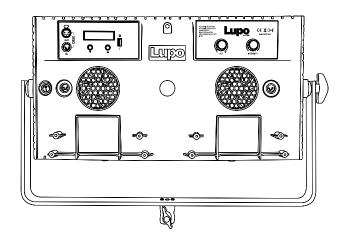
USB PORT

Use USB port for firmware updates.

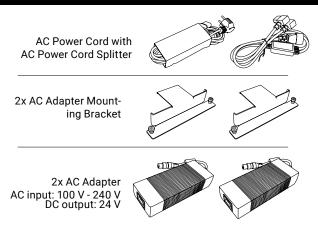
Update the Firmware

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

Package Contents for Superpanel 60 and Ultrapanel 60



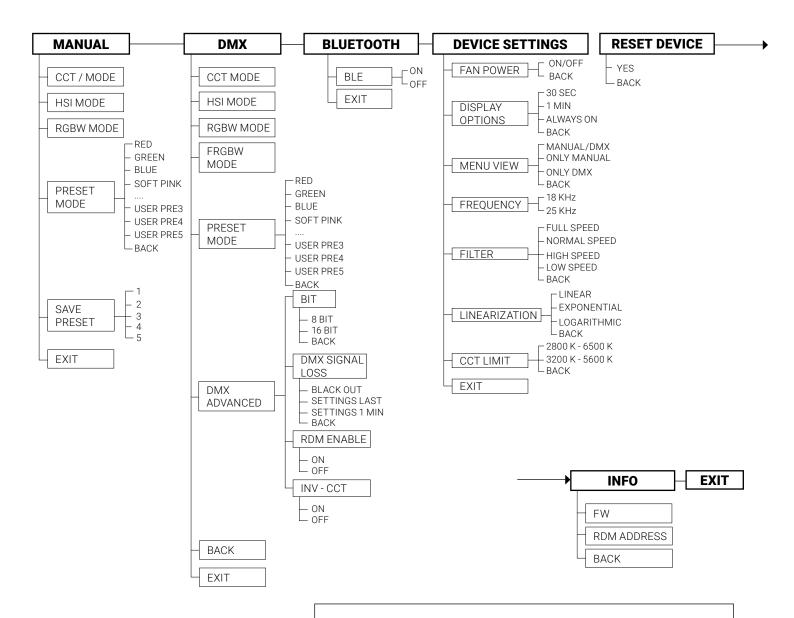
Superpanel 60 Ultrapanel 60



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

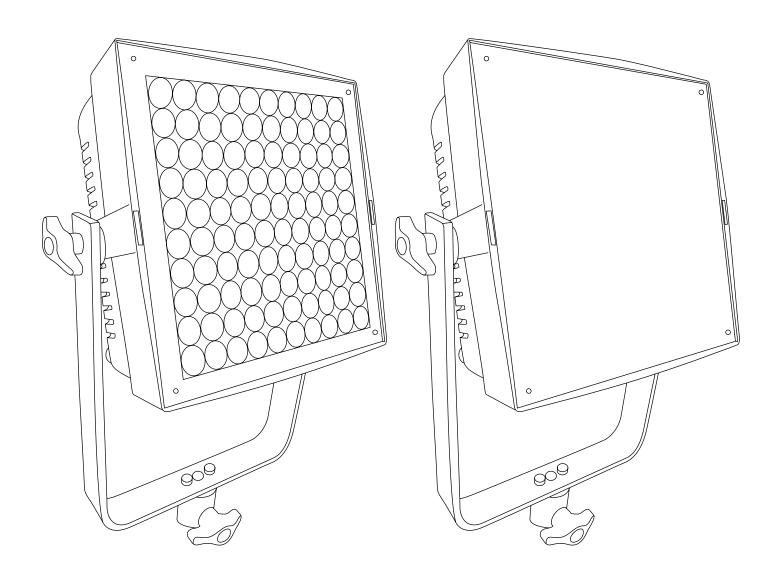
MENU e submenus

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



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





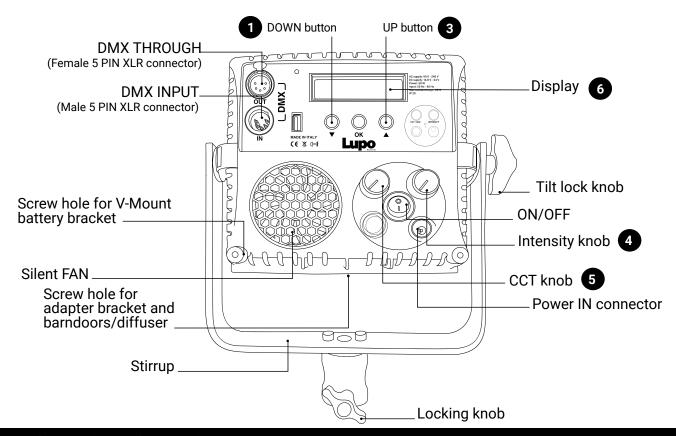
User Manuals

600 Actionpanel Dual Color Hard 603 Actionpanel Dual Color Soft

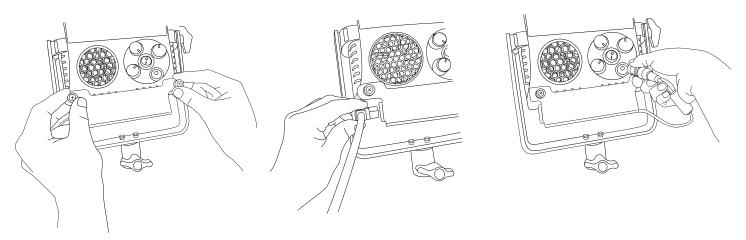
Instructions

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

Getting Started with the Actionpanel



Turning on the Actionpanel



- Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the ACTIONPANEL fixture.
- Insert the power cord cable into the AC adapter and connect the fixture to the power plug.
- Insert the DC connector into the input jack on the ACTIONPANEL and **power on** the fixture.

CONTROL PANEL

- In current mode press the 5 push button to enter the main MENU.
- In the sub-menus press the 5 push button to confirm a selection.
- Rotate the **5** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » knob to adjust the light intensity from 0 to 100%.
- Use the knobs 5 and 6 to adjust the light mode parameters.
- Display 7.

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

MANUAL OPERATION

- 1. Press the 6 push button to enter the main MENU.
- 2. Select MANUAL by pressing the 6 push button.
- 3. Select the light mode between CCT with the 5 knob and press the 5 push button to confirm selection.
- 4. See LIGHT MODES.

LIGHT MODES

MODE	INTENSITY 4	CCT/HUE 6	GN/SAT/COLOR 6	«▼» ↑ «▲» ③
CCT	Light Intensity	CT 6500 K to 2800 K	GN -1.00 to +1.00	-

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

- 1. In MANUAL OPTIONS or DMX MODE menu select **EFFECT MODE**.
- 2. Select the EFFECT to be activated with rotate the 5 button, confirm the selection by pressing the 5 push button.
- 3. In current mode, use the « ▼ » ① o « ▲ » ② button to change the EFFECT in ascending or descending order. **THE EFFECT ON THE DISPLAY IS THE SELECTED EFFECT.**
- 4. Use the knobs and to adjust the effect setting values. See table below.

DMX OPERATION

- 1. Press the 5 push button to enter the main MENU.
- 2. Select **DMX** with the **6** knob and press the **6** push button to confirm selection.
- 3. Select the light mode between *CCT* with the 3 knob and press the 3 push button to confirm selection.
- 4. Select the DMX channel, rotating the **6** knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display **6** is the selected channel to communicate with the control desk.
- 1. See **DMX PROTOCOL MANUAL** to DMX channel specification.

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

BLUETOOTH

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the main MENU with the **6** knob and press the **6** push button to confirm selection.
- 3. Rotate the **6** knob to select **BLE**, press the **6** push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

- 1. Press the **5** push button to enter the main MENU.
- 2. Navigate through the main MENU with the 6 knob and press the 6 push button to confirm selection.
- 3. Rotate the 6 knob to select DMX ADVANCED, press the 6 push button to confirm selection.
- 4. Select one of the options among the **DMX BIT, DMX SIGNAL LOSS** and **RDM ENABLE** press **9** 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 **5** push button.
- 2. Rotate the **6** knob to choose between **8bit / 16bit**, press the **9** 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 6 push button
- 2. Rotate the **6** knob to select the device's behaviour between **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the **6** push button to confirm the setting.

Black out: The device switches off.

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

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

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

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.

(See DMX OPERATION - advanced settings in the user's manual).

When used in **8 bit mode** the panels uses *one channel for each function*. DMX values for each channel are in the range of 0 to 255. When used in 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
CCT 2/3*	1. DIMMER	0 - 255	0 - 100 %	
	2/3*	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	6/8*	1. DIMMER - byte 1 2. DIMMER - byte 2	0 - 65535	0 ÷ 100 %
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700

	4. COLOR TEMPERATURE - byte 2	0 - 65535	6500 - 2700	
	5. * STROBE CONTROL - byte 1	0 ÷ 255 0 - 25 Hz		
CCT	6/8*	6. * STROBE CONTROL - byte 2	0 = 255	0 - 23 HZ
		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	Dayled 650 mono color
	2	Dayled 650 dual color
	3	Dayled 1000 mono color
	4	Dayled 1000 dual color
	5	Dayled 2000 mono color
	6	Dayled 2000 dual color
	7	Superpanel 30 dual color soft
	8	Superpanel 30 dual color lens
	9	Superpanel 30 full color soft
	10	Superpanel 30 full color lens
	11	Superpanel 60 dual color soft
	12	Superpanel 60 dual color lens
	13	Superpanel 60 full color soft
	14	Superpanel 60 full color lens
	15	Actionpanel dual color soft
	16	Actionpanel dual color lens
	17	Actionpanel full color soft
	18	Actionpanel full color lens
	19	Kickasspanel dual color
	20	Kickasspanel full color
	21	Lupoled monocolor
	22	Lupoled dualcolor
	23	Movielight monocolor
	24	Movielight dual color
	25	Ultrapanel 30 dual color soft
	26	Ultrapanel 30 dual color lens
	27	Ultrapanel 60 full color soft
	28	Ultrapanel 60 full color lens
	29	Ultrapanel 30 full color soft

	30	Ultrapanel 30 full color lens
	31	Ultrapanel 60 dual color soft
	32	Ultrapanel 60 dual color lens
	33	Dayled 650 PRO Full Color
	34	Dayled 1000 PRO Full Color
	35	Dayled 2000 PRO Full Color
Personality		DMX Personality
	0x01	ССТ
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		I
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
Manufacturer Commands	- CA1000	dentity may (madrice the light)
	0v0001	0. Off 1. On
FAN MODE	0x8001	0: Off 1: On
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min
DMX BITS	0x8004	0: 8 bit 1: 16 bit
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic

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

DEVICE SETTINGS

- 1. Press the 6 push button to enter the main MENU.
- 2. Navigate through the MENU rotating the **5** button, select **DEVICE SETTINGS**, press the **5** push button to confirm the selection.
- 3. Navigate through the FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT functions, rotating the 6 button to select the desired function and press the 5 push button to confirm the selection.
- 4. Within each function select the option to be activated and rotate the 6 button.

Fan: Fan operation. ON / OFF.

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

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

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

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.

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

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

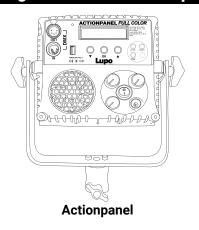
USB PORT

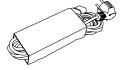
Use USB port for firmware updates.

Update the Firmware

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

Package Contents for Actionpanel





AC Power Cord Cable

AC Adapter *

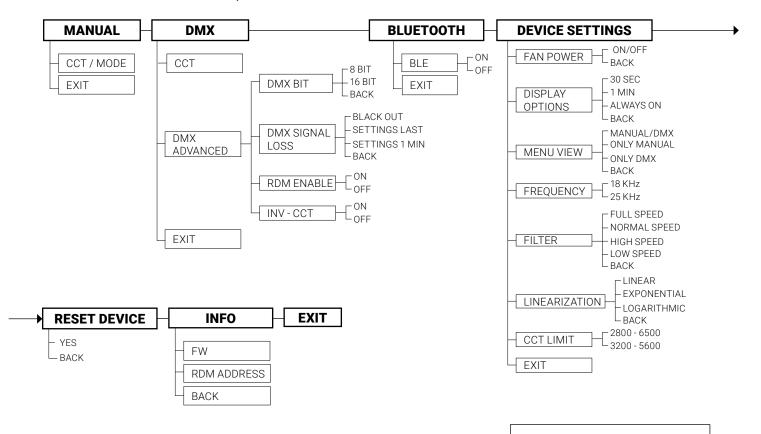
AC input: 100 V - 240 V DC
output: 24 V

AC Adapter Mounting Bracket

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

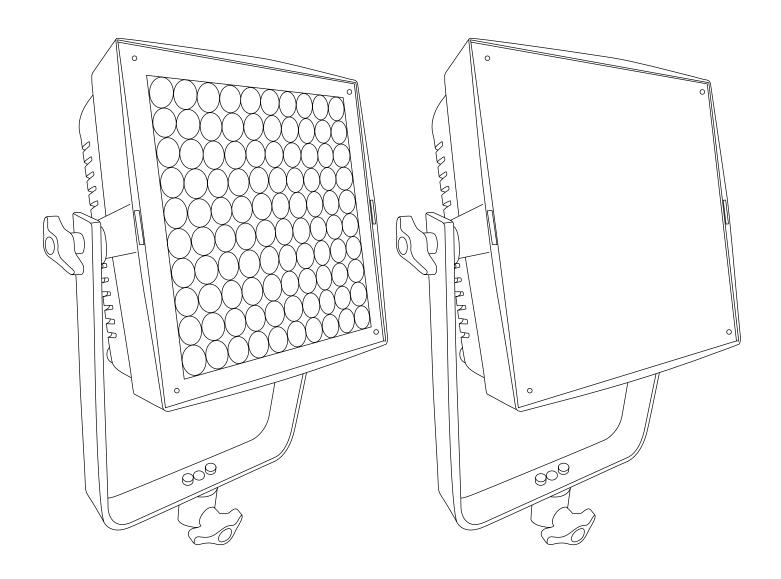
MENU e submenus

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



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





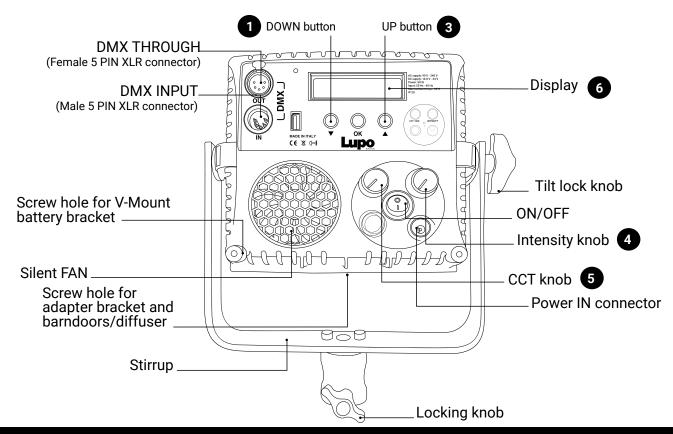
User Manuals

602 Actionpanel Full Color Hard 604 Actionpanel Full Color Soft

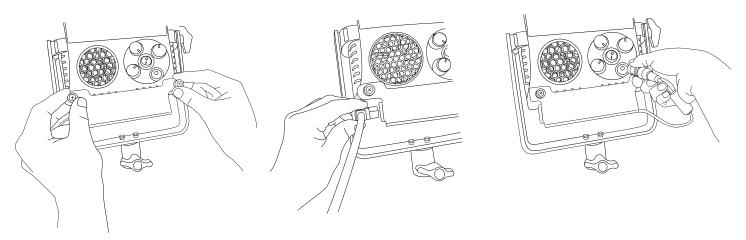
Instructions

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

Getting Started with the Actionpanel



Turning on the Actionpanel



- Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the ACTIONPANEL fixture.
- Insert the power cord cable into the AC adapter and connect the fixture to the power plug.
- Insert the DC connector into the input jack on the ACTIONPANEL and **power on** the fixture.

CONTROL PANEL

- In current mode press the 5 push button to enter the main MENU.
- In the sub-menus press the 6 push button to confirm a selection.
- Rotate the **6** knob to navigate in the main MENU and sub-menus.
- Use the « INTENSITY » 4 knob to adjust the light intensity from 0 to 100%.
- Use the knobs 5 and 6 to adjust the light mode parameters.
- Display 7.

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

MANUAL OPERATION

- 1. Press the 5 push button to enter the main MENU.
- 2. Select **MANUAL** by pressing the **6** push button.
- 3. Select the light mode between *CCT / HSI / RGBW / PRESET / EFFECT / SAVE PRESET* with the **5** knob and press the **5** push button to confirm selection.
- 4. See LIGHT MODES.

LIGHT MODES

MODE	INTENSITY 6	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

- **A. CCT MODE:** Warm and cold white control mode. It allows you to adjust colour temperature (CCT), green/magenta compensation (GN) and light intensity. This is the default setting.
- **B. HSI MODE:** Colour composition mode. It allows you to adjust hue of colour (HUE), colour saturation (SAT) and light intensity.
- **C. RGBW MODE:** RGBW colour control mode allows to individually set the R, G, B, W, Color Temperature (CT), green/magenta compensation (GN) values and to adjust light intensity
- **D. FRGBW MODE:** Available only in DMX operation. Same as RGBW but with white color power unlimited. See **DMX PROTOCOL MANUAL.**
- **E. PRESET MODE:** Mode with 53 PRESET colors, 48 factory preset and 5 user-defined preset.
- 1. In MANUAL OPTIONS or DMX MODE menu select PRESET MODE.
- 2. Select the PRESET to be activated rotate the **6** button, confirm the selection by pressing the **6** push button.
- 3. Use the « INTENSITY » knob to adjust the *light intensity from 0 to 100*%.

SAVING THE SET VALUES AS A PRESET

You can store up to 5 PRESETS.

- 1. In MANUAL select **SAVE PRESET** by pressing the **5** push button.
- 2. Save the set values in one of the available presets between *USER PRESET 1/2/3/4/5* rotate the **6** knob to select the PRESET number and press the **6** push button to confirm the selection. *THE SET COLOR IS SAVED AS PRESET*.

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

DMX OPERATION

- 1. Press the **6** push button to enter the main MENU.
- 2. Select **DMX** with the **6** knob and press the **6** push button to confirm selection.
- 3. Select the light mode between *CCT / HSI / RGBW / FRGBW / PRESET* with the **6** knob and press the **6** push button to confirm selection.
- 4. Select the DMX channel, rotating the 6 knob to change DMX ADDRESS in ascending or descending order between 1 and 512. The number shown on the display 6 is the selected channel to communicate with the control desk.
- 1. See DMX PROTOCOL MANUAL to DMX channel specification.

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

BLUETOOTH

- 1. Press the **6** push button to enter the main MENU.
- 2. Navigate through the main MENU with the 6 knob and press the 6 push button to confirm selection.
- 3. Rotate the **6** knob to select **BLE**, press the **6** push button to confirm selection and to enable/disable BLE App interface.

DMX OPERATION - Advanced Settings

- 1. Press the 6 push button to enter the main MENU.
- 2. Navigate through the main MENU with the **5** knob and press the **6** push button to confirm selection.
- 3. Rotate the **6** knob to select **DMX ADVANCED**, press the **6** push button to confirm selection.
- Select one of the options among the DMX BIT, DMX SIGNAL LOSS and RDM ENABLE, press 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 **5** push button.
- 2. Rotate the **6** knob to choose between **8bit / 16bit**, press the **6** 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 6 push button
- 2. Rotate the **⑤** knob to select the device's behaviour between **BLACK OUT /SETTINGS LAST / SETTINGS 1min**, press the **⑤** push button to confirm the setting.

Black out: The device switches off.

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

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

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

DMX Protocol

Introduction

The Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.

(See DMX OPERATION - advanced settings in the user's manual).

When used in **8 bit mode** the panels uses *one channel for each function*. DMX values for each channel are in the range of 0 to 255. When used in 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	2/3*	3. GN COMPENSATION	0 ÷ 5	Ø
001	2/3"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
		3. "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%
RGDW		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
		1. DIMMER	0 - 255	0 ÷ 100%
		2. RED	0 ÷ 255	0 ÷ 100%
		3. GREEN	0 ÷ 255	0 ÷ 100%
FRGBW	7	4. BLUE	6 ÷ 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
		1. DIMMER	0 - 255	0 ÷ 100 %
PRESET	1	2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESEI	4	2 DDESET EDEE7E	0 - 50	NO FREEZE
		3. PRESET FREEZE	200 ÷ 255	FREEZE

DMX Channel Protocol - 16 bit

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

				1
		1. DIMMER - byte 1 2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
1101		3. HUE - byte 1	0 . (5505	0 : 260
HSI	6	4. HUE - byte 2	0 ÷ 65535	0 ÷ 360
		5. SATURATION - byte 1	0 . (5505	0 - 100 0/
		6. SATURATION - byte 2	0 ÷ 65535	0 ÷ 100 %
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	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 1 00000	0 100 10
RGBW	14	7. BLUE - byte 1		0 ÷ 100 %
		8. BLUE - byte 1		
		9. WHITE - byte 1		0 ÷ 360
		10. WHITE - byte 2		
		11. COLOR TEMPERAT byte 1		6500 - 2700
		12. COLOR TEMPERAT byte 2 13. GN COMPENSATION- byte 1		Ø
		14. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00
		1. DIMMER - byte 1	0 - 65535	
		2. DIMMER - byte 1		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 %
FRGBW	14	7. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
TROBW	17	8. BLUE - byte 1	0 : 00000	0 . 100 %
		9. WHITE - byte 1	0 ÷ 65535	0 ÷ 360
		10. WHITE - byte 2	0 1 00000	0 1000
		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		
PRESET	6	4. PRESET - byte 2	0 ÷ 65535	0 ÷ 100 %
		5. PRESET FREEZE - byte 1	0 - 12800 > 512	51200 ÷ 65535
		6. PRESET FREEZE - byte 2	NO FREEZE	FREEZE
	<u> </u>	1 :::::::::::::::::::::::::::::::::::::		

RDMProtocol Specification

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

DISC MUTE 0x0002 Mute RDM device, no response message 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	_		
7 Superpanel 30 dual color soft		5	Dayled 2000 mono color
8		6	Dayled 2000 dual color
9 Superpanel 30 full color soft		7	Superpanel 30 dual color soft
10		8	Superpanel 30 dual color lens
11		9	Superpanel 30 full color soft
12 Superpanel 60 dual color lens		10	Superpanel 30 full color lens
13		11	Superpanel 60 dual color soft
14		12	Superpanel 60 dual color lens
15 Actionpanel dual color soft 16 Actionpanel dual color lens 17 Actionpanel full color soft 18 Actionpanel full color lens 19 Kickasspanel dual color 20 Kickasspanel full color 21 Lupoled monocolor 22 Lupoled dualcolor 23 Movielight monocolor 24 Movielight dual color 25 Ultrapanel 30 dual color soft 26 Ultrapanel 30 dual color soft 27 Ultrapanel 60 full color soft 28 Ultrapanel 60 full color soft 29 Ultrapanel 30 full color soft 29 Ultrapanel 30 full color soft 30 Ultrapanel 30 full color soft 31 Ultrapanel 30 full color soft 32 Ultrapanel 60 full color lens 31 Ultrapanel 60 full color lens 32 Ultrapanel 60 full color lens 33 Dayled 650 PRO Full Color 34 Dayled 1000 PRO Full Color 35 Dayled 2000 PRO Full Color 36 DAY Personality 0x01 CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC UN MUTE 0x0002 Mute RDM device fo response message Status collection QUEUED MESAGES 0x0030 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		13	Superpanel 60 full color soft
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22		20	Kickasspanel full color
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33 Dayled 650 PRO Full Color		31	Ultrapanel 60 dual color soft
34 Dayled 1000 PRO Full Color		32	Ultrapanel 60 dual color lens
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Personality 0x01 CCT Network management DISC UNIQUE BRANCH 0x0001 Search RDM devices DISC MUTE 0x0002 Mute RDM device, no response message DISC UN MUTE 0x0003 Activate RDM device fo response message Status collection QUEUED MESAGES 0x0020 Retrieves queued messages or status message if no message is in queue STATUS MESSAGES 0x0030 Retrieves current Warning/Error messages RDM Information SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands		34	Dayled 1000 PRO Full Color
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SUPPORTED PARAMETERS 0x0050 Retrieves a list of all supported RDM commands	STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
	RDM Information	Γ	
PARAMETER DESCRIPTION 0x0051 Retrieves a list of all RDM commands	SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
	PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands

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

DEVICE SETTINGS

- 1. Press the 6 push button to enter the main MENU.
- 2. Navigate through the MENU rotating the **6** button, select **DEVICE SETTINGS**, press the **6** push button to confirm the selection.
- 3. Navigate through the FAN / DISPLAY / MENU VIEW / FREQUENCY / FILTER / LINEARIZATION / CCT LIMIT functions, rotating the 6 button to select the desired function and press the 6 push button to confirm the selection.
- 4. Within each function select the option to be activated and rotate the 6 button.

Fan: Fan operation. ON / OFF.

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

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

 $\underline{\textbf{Filter:}}$ It is the speed response of the system (smooth factor).

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

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

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

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

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

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

RESET DEVICE

- 1. Press the « **OK** » **2** button to enter the main MENU.
- 2. Select **RESET DEVICE** rotating the **6** button, press the **6** push button to confirm the selection.
- 3. Select **YES** rotating the **5** button, press the **5** push button to confirm the selection.
- 4. The device ask for further confirmation, select **YES** by pressing the press the **⑤** push button.**THE DEVICE RETURN TO FACTORY DEFAULT SETTINGS.**

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

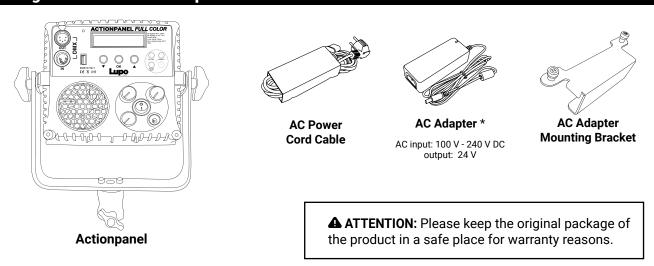
USB PORT

Use USB port for firmware updates.

Update the Firmware

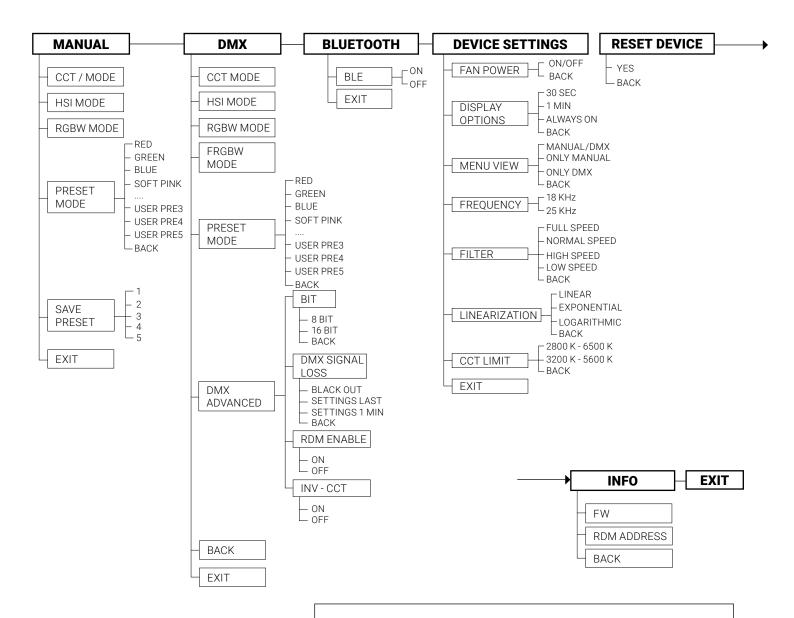
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- 2. Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;
- 4. Wait until display backlight flashes (it takes several minutes and red led must toggle for all time long);
- 5. Switch off the equipment;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

Package Contents for Actionpanel



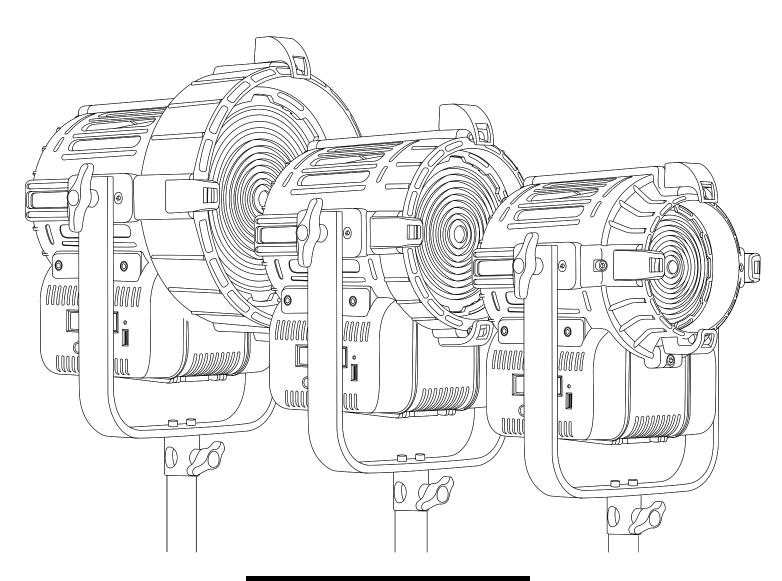
MENU e submenus

- 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

DayledPRO 650 300D PRO / 300T PRO / 303 PRO

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

DayledPRO 2000

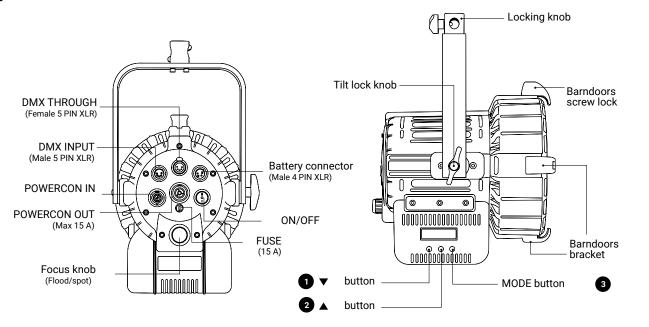
302D PRO / 302T PRO / 305 PRO

Instructions

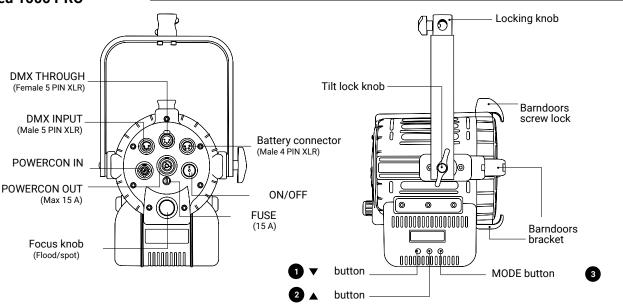
- Max input current for daisy chain: 15 A
- Device for indoor use only.
- · Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended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

Getting Started with the Dayled PRO

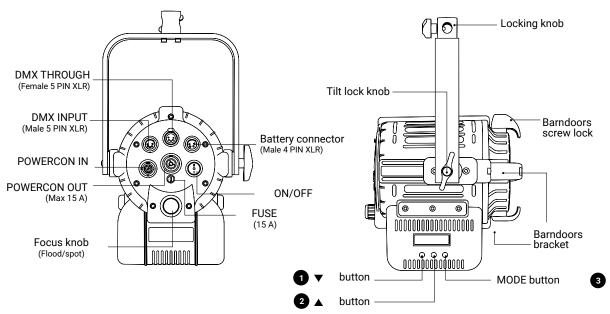
Dayled 2000 PRO



Dayled 1000 PRO



Dayled 650 PRO



MANUAL OPERATION

Press the « OK » 3 button to shift between the functions DIMMER, COLOR*, STROBE PAGE, MANUAL and MENU. The indicator « 4 » shows the selected function.

- DIMMER: Use the « ▼ » ① or « ▲ » ② buttons to adjust the luminous intensity level from 0 to 100%.
- COLOR*: Function available only the Dual Color version*.

 Use the «▼» ① or «▲» ② buttons to adjust the color temperature from 2800K to 6500K.
- In the **STROBE PAGE** it is possible to set the **STROBE** frequency by pressing «▼» ① or «▲» ②

ATTENTION: STROBE frequency = 0 means STROBE effect OFF.

- DMX (ON/OFF):
- 1. Select **DMX SEL** by pressing the **3** button.
- 2. Press «▼» ① or «▲» ② to activate the functions.
- MENU (ON/OFF):
 - 1. Select **MENU SEL** by pressing the button.
 - 2. Press «▼» ① or «▲» ② to activate the functions.

DMX OPERATION

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

- DMX ADDRESS: Press the «▼» ① or «▲» ② buttons to select the DMX channel between 1 to 512.
- MANUAL:
 - 1. To return to the **MANUAL OPERATION**, select **MANUAL** by pressing the 3 button.
- 2. Press the « ▼» 1 or « ▲» 2 button to confirm the selection.

ADVANCED FEATURES

Long press the « **OK** » 3 button to enter the advanced features menu.

- Use the for buttons to navigate between the main MENU options:
 MANUAL / DMX / BLUETOOTH / DEVICE SETTINGS / RESET DEVICE / INFO.
- 2. Use the 3 button to select an option.

1 MANUAL OPTIONS

- 1. Use the «▼» ① or «▲» ② buttons to select between the MONOCOLOR / CCT MODE* and EFFECT MODE.
- 2. Press the « OK » 3 button to confirm the selection.
- *The mode name changes according to the Dayled model (monocolor or dual color).

2 DMX OPTIONS

- 1. Use the « ▼ » ① or « ▲ » ② buttons to select between the MONOCOLOR / CCT MODE* / ADVANCED MODE.
- 2. Press the « OK » 3 button to confirm the selection.
- *The mode name changes according to the Dayled model (monocolor or dual color).

Press the « OK » 3 buttons to select the EFFECT.

- 1. Use the « » or « » buttons to select between DMX OPERATION / DMX BIT / DMX SIGNAL LOSS.
- 2. Press the W OK » 3 button to confirm the selection.

DMX BIT: Resolution of the DMX control.

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

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

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

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

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

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

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

DMX Protocol

DMX Channel Protocol - 8 bit

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT 2/3		1. DIMMER	0 - 255	0 - 100 %
	0./0*	2. COLOR TEMPERATURE	0 - 255	6500 - 2700
	2/3^	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
		1. DIMMER - byte 1	0.65525 0 : 10	0 ÷ 100 %
		2. DIMMER - byte 2	0 - 65535	0 - 100 %
007		3. COLOR TEMPERATURE - byte 1 *	0 65505	6500 - 2700
CCT	6	4. COLOR TEMPERATURE - byte 2 *	0 - 65535	
		5. STROBE - byte 1	0 ÷ 2620	strobe off
		6. STROBE - byte 2	2621 ÷ 65535	-1,00 ÷ +1,00

^{*}Channel in use only the Dual Color version.

^{**} Only available if enabled in DMX ADVANCED.

RDMProtocol Specification

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

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

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

<u>Linearization</u>: <u>LINEAR / EXPONENTIAL / LOGARITHMIC</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: No compensation, the intensity of the light is directly proportional to requested power
- Exponential: The light intensity increases from 0 to 100 exponentially.
- Logarithmic: The light intensity increases from 0 to 100 logarithmically.

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

RESET DEVICE

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

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

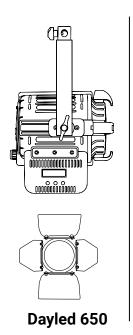
FACTORY DEFAULT SETTING			
MANUAL OPERATION	DEVICE SETTINGS		
MODE: CCT	DISPLAY: 1 min		
	MENU VIEW: Manual/DMX		
DMX OPERATION	FILTER: Normal speed		
MODE: CCT	LINEARIZATION: Linear		
BIT: 8 BIT	CCT LIMIT: 2800K - 10000K		
DMX SIGNAL LOSS: Settings 1 MIN	FREQUENCY: 18 KHz		
RDM ENABLE: OFF	<u>BLUETOOTH</u>		
INV - CCT: OFF	Bluetooth Active: OFF		

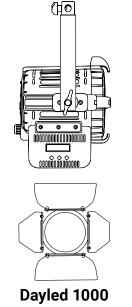
BLUETOOTH

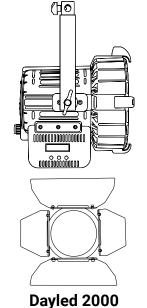
- 1. Press the ⑤ button four times to enter the main MENU, then press the « ▼» ⑥ or « ▲ » ② buttons to enter in the configuration menu.
- 2. Navigate through the main MENU with the «▼» ① or «▲» ② buttons and press the ③ OK button to confirm the MANUAL option.
- 3. Use the « A » 2 button till the BLUETOOTH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

Package Contents for Dayled PRO

Dayled model + Barndoors







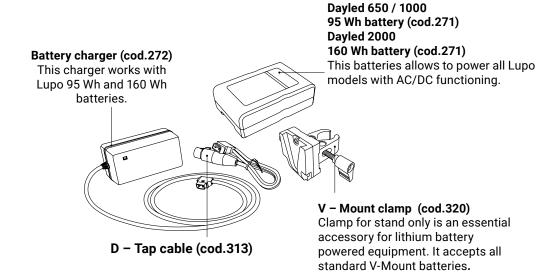
▲ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

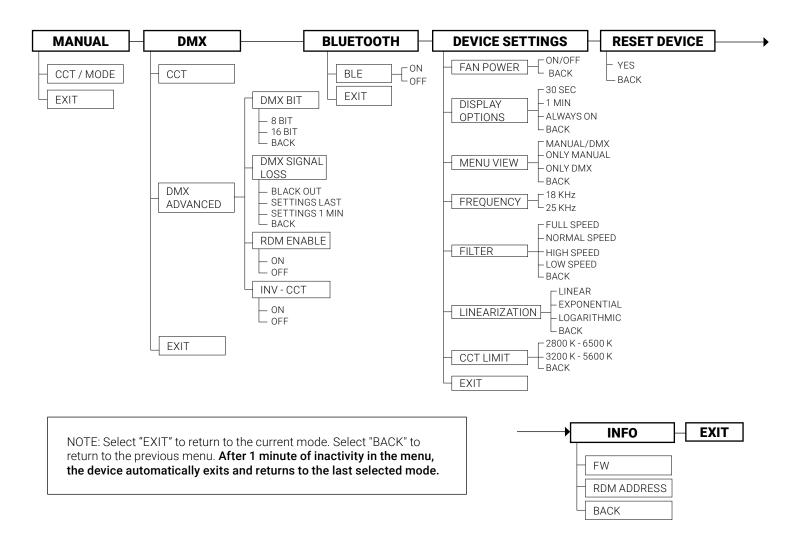
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR DAYLED 650 AND 1000.

The items are also sold separately.

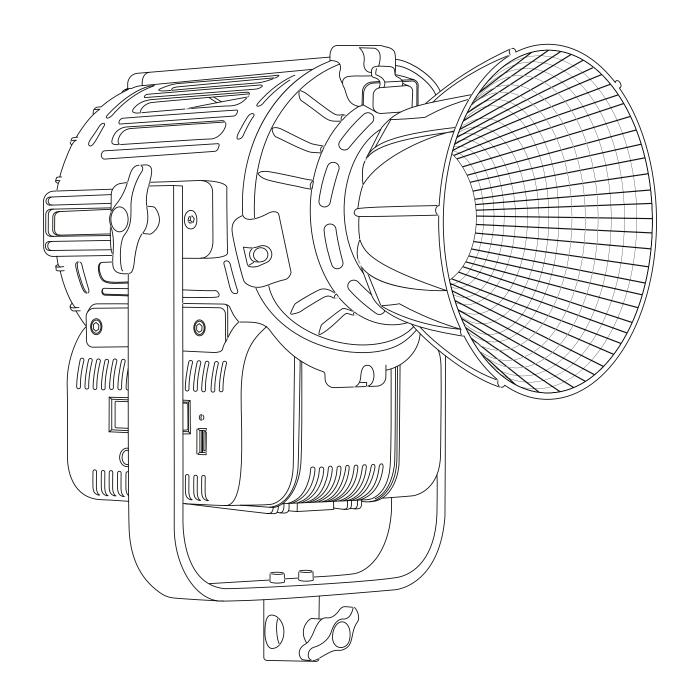


MENU e submenus

- Select "EXIT" with the « OK » 3 button to return to the last selected mode.
- Select "BACK" with the « OK » 3 button to return to the previous menu.







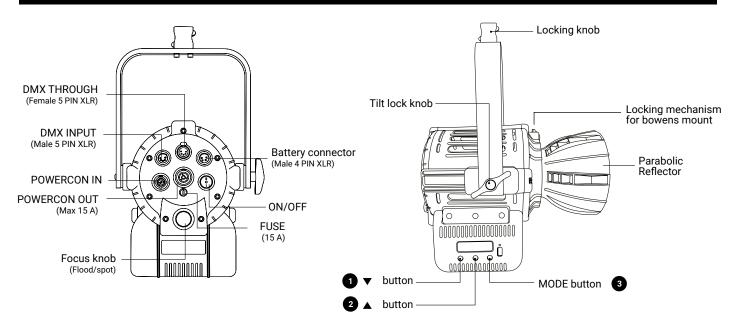
User Manuals

900 MOVIELIGHT 300 PRO 901 MOVIELIGHT 300 DUAL COLOR PRO

Instructions

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

Getting Started with the Movielight 300



MANUAL OPERATION

Press the « OK » ⑤ button to shift between the functions DIMMER, COLOR*, STROBE PAGE, MANUAL and MENU. The indicator « • shows the selected function.

- DIMMER: Use the « ▼ » ① or « ▲ » ② buttons to adjust the luminous intensity level from 0 to 100%.
- COLOR*: Function available only the Dual Color version*.

Use the « ▼ » ① or « ▲ » ② buttons to adjust the color temperature from 2800K to 6500K.

- In the STROBE PAGE it is possible to set the STROBE frequency by pressing «▼» ① or «▲» ②

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

- DMX (ON/OFF):
 - 1. Select **DMX SEL** by pressing the 3 button.
 - 2. Press «▼» or «▲» 2 to activate the functions.
- MENU (ON/OFF):
 - 1. Select **MENU SEL** by pressing the button.
 - 2. Press «▼» ① or «▲» ② to activate the functions.

DMX OPERATION

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

- DMX ADDRESS: Press the «▼» ① or «▲» ② buttons to select the DMX channel between 1 to 512.
- MANUAL:
- 1. To return to the **MANUAL OPERATION**, select **MANUAL** by pressing the 3 button.
- 2. Press the « ▼» ① or « ▲» ② button to confirm the selection.

ADVANCED FEATURES

Long press the « OK » 3 button to enter the advanced features menu.

- Use the for buttons to navigate between the main MENU options:
 MANUAL / DMX / BLUETOOTH / DEVICE SETTINGS / RESET DEVICE / INFO.
- 2. Use the 3 button to select an option.

1 MANUAL OPTIONS

- 1. Use the «▼» ① or «▲» ② buttons to select between the MONOCOLOR / CCT MODE* and EFFECT MODE.
- 2. Press the « **OK** » **3** button to confirm the selection.
- *The mode name changes according to the Dayled model (monocolor or dual color).

2 DMX OPTIONS

- 1. Use the « ▼ » ① or « ▲ » ② buttons to select between the MONOCOLOR / CCT MODE* / ADVANCED MODE.
- 2. Press the « OK » 3 button to confirm the selection.
- *The mode name changes according to the Dayled model (monocolor or dual color).

Press the « OK » 3 buttons to select the EFFECT.

- 1. Use the « » or « » buttons to select between DMX OPERATION / DMX BIT / DMX SIGNAL LOSS.
- 2. Press the **OK** » **3** button to confirm the selection.

DMX BIT: Resolution of the DMX control.

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

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

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

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

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

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

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

DMX Protocol

DMX Channel Protocol - 8 bit

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

MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
		1. DIMMER - byte 1	0-65525	0 ÷ 100 %
CCT		2. DIMMER - byte 2	0-03333	0 - 100 %
	6	3. COLOR TEMPERATURE - byte 1 *	0 - 65535	6500 - 2700
	6	4. COLOR TEMPERATURE - byte 2 *		0300-2700
		5. STROBE - byte 1	0 ÷ 2620	strobe off
		6. STROBE - byte 2	2621 ÷ 65535	-1,00 ÷ +1,00

^{*}Channel in use only the Dual Color version.

RDMProtocol Specification

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

^{**} Only available if enabled in DMX ADVANCED.

	23	Movielight monocolor	
	24	Movielight dual color	
	25	Ultrapanel 30 dual color soft	
	26	Ultrapanel 30 dual color lens	
	27	Ultrapanel 60 full color soft	
	28	Ultrapanel 60 full color lens	
	29	Ultrapanel 30 full color soft	
	30	Ultrapanel 30 full color lens	
	31	Ultrapanel 60 dual color soft	
	32	Ultrapanel 60 dual color lens	
	33	Dayled 650 PRO Full Color	
	34	Dayled 1000 PRO Full Color	
	35	Dayled 2000 PRO Full Color	
Personality		DMX Personality	
	0x01	ССТ	
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	
DMX START ADDRESS Control	0x00F0	DMX address	

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

DEVICE SETTINGS

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

<u>Linearization</u>: <u>LINEAR / EXPONENTIAL / LOGARITHMIC</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: No compensation, the intensity of the light is directly proportional to requested power
- Exponential: The light intensity increases from 0 to 100 exponentially.
- Logarithmic: The light intensity increases from 0 to 100 logarithmically.

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

RESET DEVICE

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

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

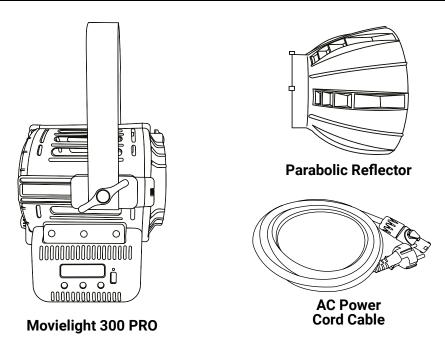
FACTORY DEFAULT SETTING		
MANUAL OPERATION	DEVICE SETTINGS	
MODE: CCT	DISPLAY: 1 min	
	MENU VIEW: Manual/DMX	
DMX OPERATION	FILTER : Normal speed	
MODE: CCT	LINEARIZATION: Linear	
BIT: 8 BIT	CCT LIMIT: 2800K - 10000K	
DMX SIGNAL LOSS: Settings 1 MIN	FREQUENCY: 18 KHz	
RDM ENABLE: OFF	<u>BLUETOOTH</u>	
INV - CCT: OFF	Bluetooth Active: OFF	

BLUETOOTH

- 1. Press the ③ button four times to enter the main MENU, then press the « ▼ » ① or « ▲ » ② buttons to enter in the configuration menu.
- 2. Navigate through the main MENU with the «▼» ① or «▲» ② buttons and press the ③ OK button to confirm the MANUAL option.

- 3. Use the « A » 2 button till the BLUETOOTH option, then press the 3 OK button on the BLE OFF option.
- 4. Press the ③ OK button to confirm the selection, then navigate in the menu with the «▼» ① or «▲» ② buttons to select the ON option.
- 5. Press the 3 OK button to confirm the selection.
- 6. To return in the main menu, use the «▼» ① or «▲» ② buttons till the EXIT option, then press the ③ OK button to confirm the selection.

Package Contents for Movielight 300 PRO



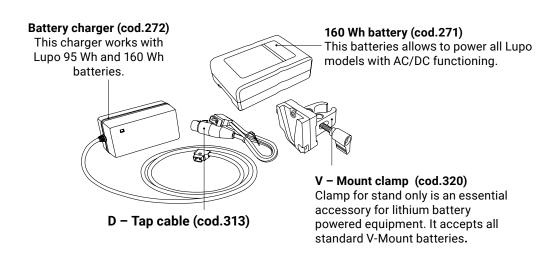
▲ ATTENTION: Please keep the original package of the product in a safe place for warranty reasons.

ACCESSORIES

The accessories are products sold separately.

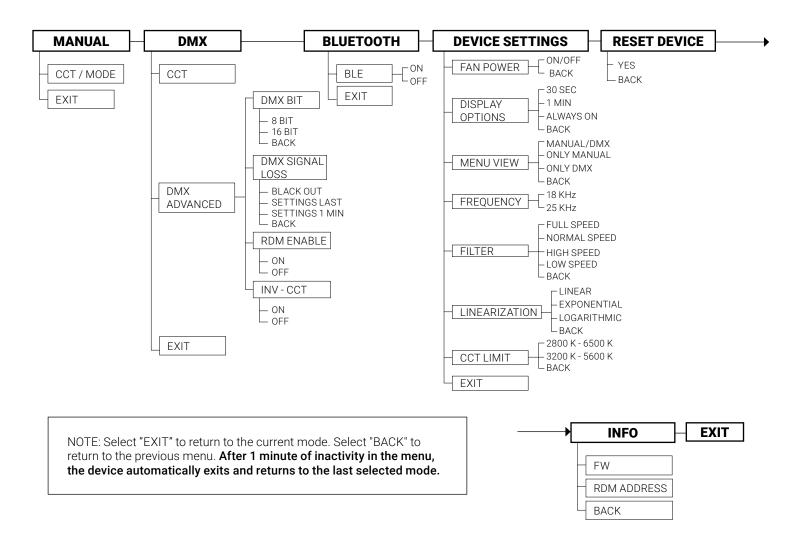
COMPLETE KIT OF V-MOUNT BATTERY POWER SUPPLY FOR MOVIELIGHT 300

The items are also sold separately.

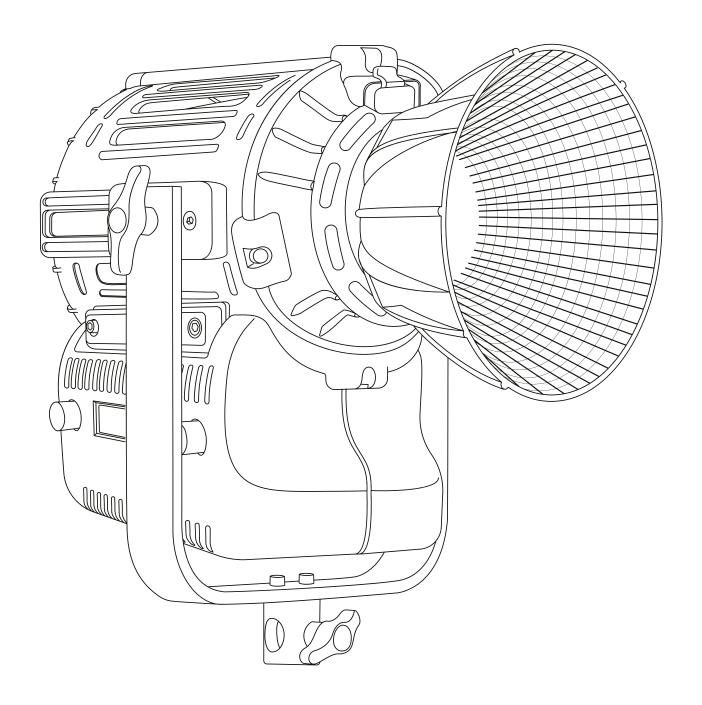


MENU e submenus

- Select "EXIT" with the « OK » 3 button to return to the last selected mode.
- Select "BACK" with the « OK » 3 button to return to the previous menu.







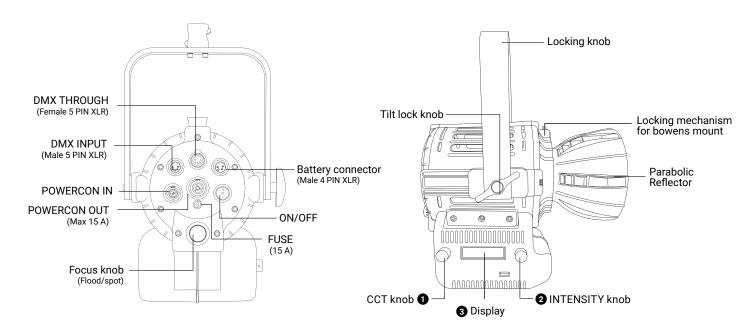
User Manuals

904 MOVIELIGHT 300 FULL COLOR COLOR PRO

Instructions

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

Getting Started with the Movielight 300



CONTROL PANEL

- In current mode press the 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.

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

MODE

- 1. Press the 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 S knob and press the push button to confirm selection
- 5. See LIGHT MODES.

LIGHT MODES

MODE	INTENSITY @	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	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 **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 Actionpanel Full Color, the Superpanel 30 Full Color and the Superpanel 60 Full color can be used with 8 bit or 16 bit DMX control.

(See DMX OPERATION - advanced settings in the user's manual).

When used in **8 bit mode** the panels uses **one channel for each function**. DMX values for each channel are in the range of 0 to 255. When used in 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	2/3*	O ONLOGNADENIGATION	0 ÷ 5	Ø
CCT	2/3"	3. GN COMPENSATION	6 ÷ 255	- 1,00 ÷ + 1,00
		3. *STROBE CONTROL	0 ÷ 5	Ø
		3. "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
		7 011 001 405110 471011	0 ÷ 5	Ø
		7. GN COMPENSATION	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%
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
		1. DIMMER	0 - 255	0 ÷ 100 %
		2. PRESET	0 ÷ 255	0 ÷ N PRESET
PRESET	4	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
CCT		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	0 00000	0 . 100 %
	6	3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1 6. GN COMPENSATION - byte 2	0 ÷ 500 501 ÷ 65535	Ø -1,00 ÷ + 1,00
		1. DIMMER - byte 1	301 - 03333	-1,00 . 1 1,00
		2. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
1.101		3. HUE - byte 1	0 (5505	
HSI	6	4. HUE - byte 2	0 ÷ 65535	0 ÷ 360
		5. SATURATION - byte 1	0 ÷ 65535	0 ÷ 100 %
		6. SATURATION - byte 2	0 - 00030	0 - 100 %
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 1	0 00000	0 1 100 70
		3. RED - byte 1	0 - 65535	0 ÷ 100 %
		4. RED - byte 2		
		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		0.00
		10. WHITE - byte 2	0 ÷ 65535	0 ÷ 360
		11. COLOR TEMPERAT byte 1	0 - 65535	6500 - 2700
		12. COLOR TEMPERAT byte 2	0 - 00000	0300 - 2700
		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		- 100 10
	14	3. RED - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. RED - byte 2		
		5. GREEN - byte 1 6. GREEN - byte 2	0 ÷ 65535	0 ÷ 100 %
		7. BLUE - byte 1		
FRGBW		8. BLUE - byte 1	0 ÷ 65535	0 ÷ 100 %
		9. WHITE - byte 1		
		10. WHITE - byte 2	0 ÷ 65535	0 ÷ 360
		11. COLOR TEMPERAT byte 1	0 (5505	(500 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
		1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
	6	2. DIMMER - byte 1		
PRESET		3. PRESET - byte 1	0 ÷ 65535	0 ÷ 100 %
		4. PRESET - byte 2		51200 ÷ 65535
		5. PRESET FREEZE - byte 1 6. PRESET FREEZE - byte 2	0 - 12800 > NO FREEZE	51200 - 65535 FREEZE
		U. I NESETT NEEZE - DY 18 Z	NOTINELLE	1 1\LL_L

RDMProtocol Specification

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

Personality		DMX Personality		
	0x01	ССТ		
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	T			
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	1			
FAN MODE	0x8001	0: Off 1: On		
DISPLAY TIMEOUT	0x8002	0: 30 sec 1: 1 min 2: always on		
DMX SIGNAL LOST MODE	0x8003	0: black out 1: last settings on 2: last settings 1 min		
DMX BITS	0x8004	0: 8 bit 1: 16 bit		
CCT LIMIT	0x8005	0: 2800-10000 1: 3200-5600		
LINEARIZATION	0x8006	0: linear 1: exponential 2: logarithmic		
FILTER	0x8007	0: full speed 1: normal speed 2: high speed 3: low speed		
FREQUENCY		0.401/11.4.051/11		
	0x8008	0: 18 KHz 1: 25 KHz		

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.

Fan Power: Fan operation ON / OFF.

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

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

Frequency: Dimmer frequency 18 KHz - 25 KHz

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

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

<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 FAN: ON

DISPLAY: 1 min

DMX OPERATIONFILTER: Normal speedBIT: 8 BITLINEARIZATION: LinearDMX SIGNAL LOSS: Settings 1 MINFREOUENCY: 18 KHz

RDM ENABLE: OFF
INV - CCT: OFF
CONTROL
Manual

USB port

Use USB port for firmware updates.

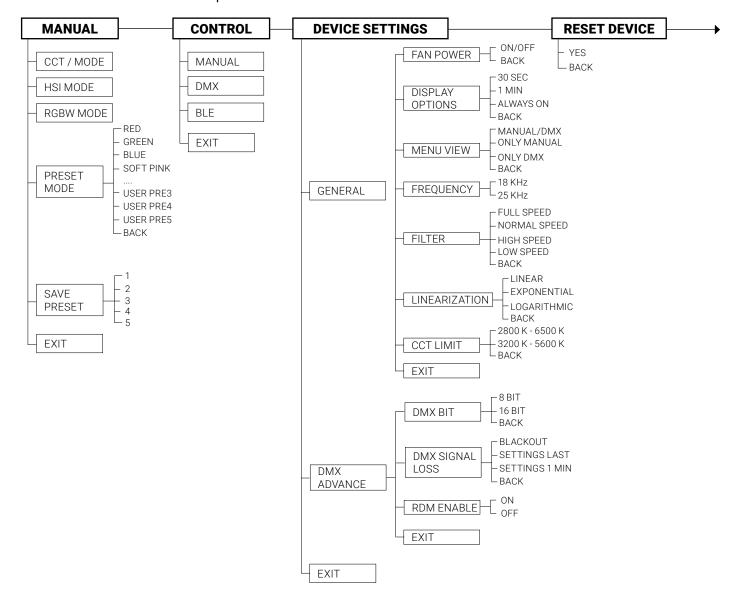
Update the Firmware

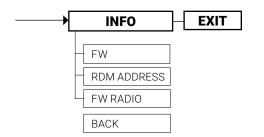
- 1. Copy the file on an USB Pendrive (FAT32 formatted) in the main root;
- Switch off the equipment and insert the USB Pendrive;
- 3. Switch on the equipment;

- 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.

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.

