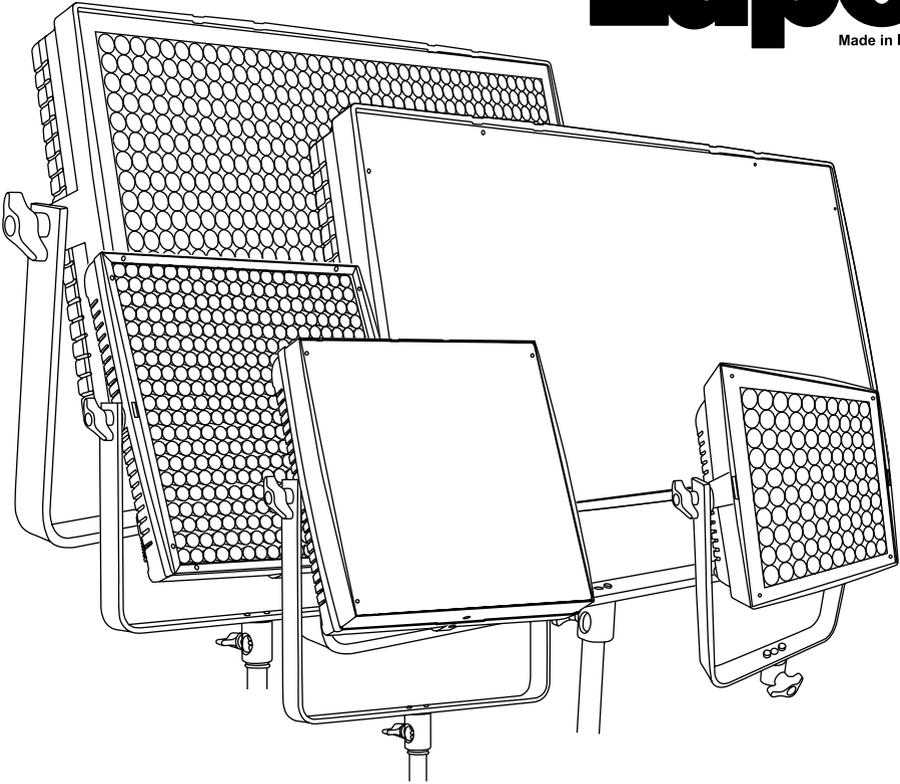


# Lupo

Made in Italy



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## User Manuals

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**Superpanel 30** Dual Color

**Superpanel 60** Dual Color

**Actionpanel** Dual Color

**Ultrapanel 30** Dual Color

**Ultrapanel 60** Dual Color

Release 7.xx

**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 hasty temperature changes in humid condition as could lead to condensation water in the unit. Equipment must only be serviced, modified or repaired by authorized. Dealers or the factory.

**CAUTION - BURN HAZARD - HOT PARTS**

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

**NOTICE - EQUIPMENT OVERHEATING RISK**

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

**FINAL DISPOSAL**

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**

The warranty period for Lupo products and those marketed by Lupo is twelve months from the date of delivery. Lupo guarantees that the goods it supplies are well manufactured and of good quality. The warranty guarantees the repair of any parts that show acknowledged defects in materials, construction or workmanship during the warranty period. The guarantee excludes any liability for direct or indirect damage of any kind and for any reason, for which Lupo will therefore not be required to pay compensation. The customers shall see to deliver the parts that need repair or replacement to Lupo's works at their own expense and risk. The repaired or replacement parts shall be delivered by Lupo ex-works. The customers will be charged for materials and labor or replacement of the product after the expiration of the warranty period.

**⚠ WARNING:**

When hanging the fixture from higher position, please make sure you use safety cable to attach the barndoors to the yoke of the panel.

Barndoors should always be used to secure the fixture and the application when used in this way.

Another safety cable should be used to secure the fixture to the mounting pipe or truss.

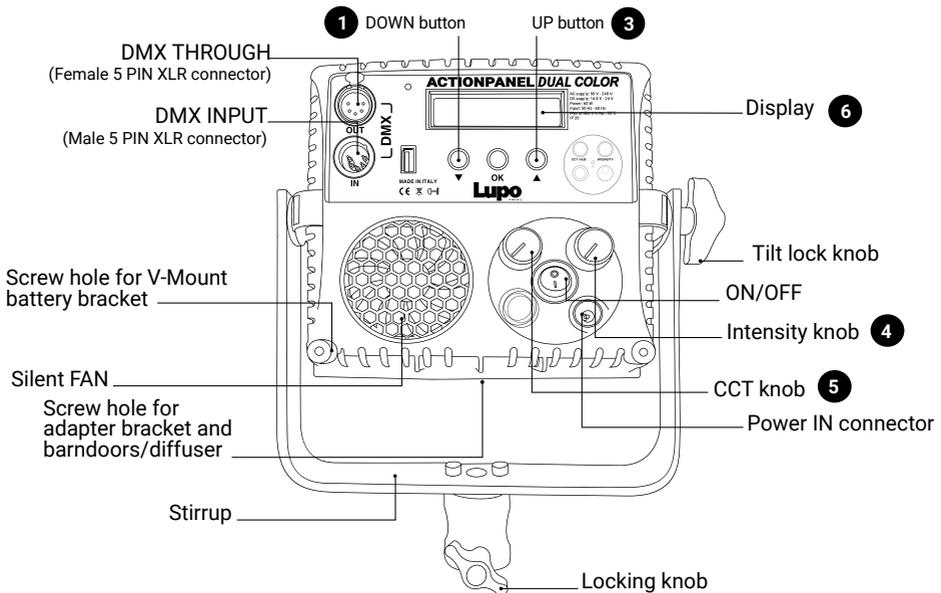
Both safety cables must be properly dimensioned for the fixture and the application when the fixture is operated in hanging position please ensure that the accessories are installed correctly with top latch locked.

*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.*

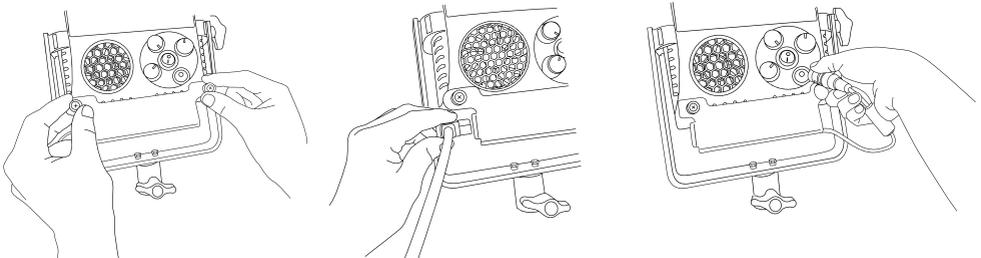
## Instructions

- 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 poweredleds.

## Getting Started with the Actionpanel



## Turning on the Actionpanel

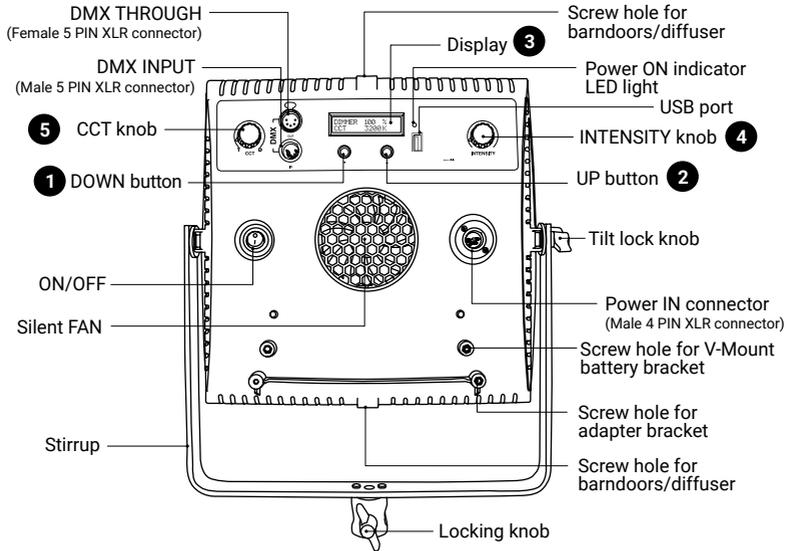


**1** Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the ACTIONPANEL fixture.

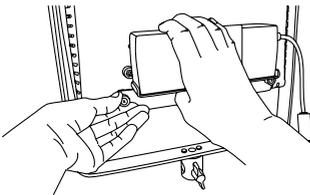
**2** Insert the power cord cable into the AC adapter and connect the fixture to the power plug.

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

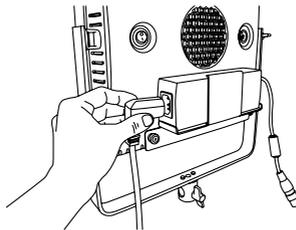
## Getting Started with the Superpanel 30 and the Ultrapanel 30



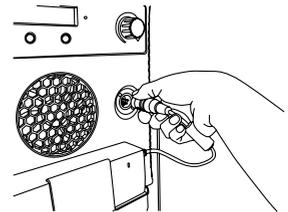
## Turning on the Superpanel 30 and the Ultrapanel 30



- 1 Place the AC Adapter in the mounting bracket via the 2 captive screws to the bottom of the SUPERPANEL 30 fixture.

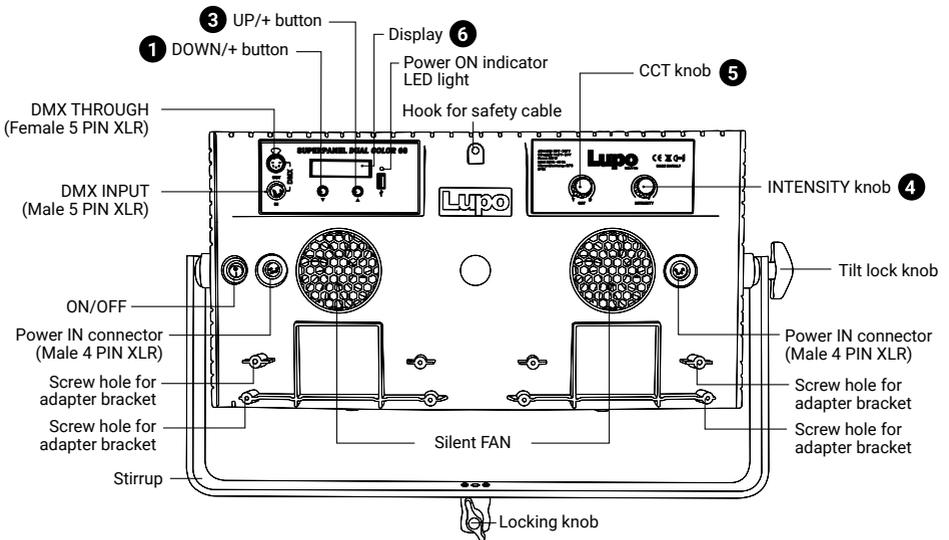


- 2 Insert the power cord cable into the AC adapter and connect the fixture to the power plug.

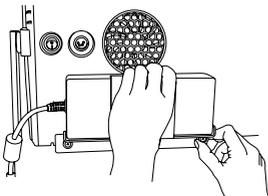


- 3 Insert the DC XLR 4 pin connector into the input jack on the SUPERPANEL 30 and **power on** the fixture.

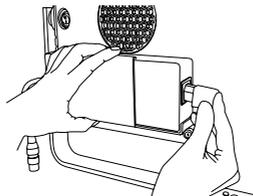
# Getting Started with the Superpanel 60 and the Ultrapanel 60



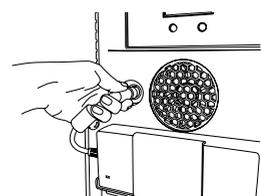
## Turning on the Superpanel 60 and the Ultrapanel 60



**1** Place the two AC Adapters in the mounting brackets via the 2 captive screws of the SUPERPANEL 60 fixture.



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



**3** Insert the two DC XLR 4 pin connectors into the input jacks on the SUPERPANEL 60 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** » **4** knob to adjust the **light intensity from 0 to 100%**.
- Use the knobs **5** and **4** 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.

## MANUAL OPERATION

1. Press the **5** push button to enter the main MENU.
2. Select **MANUAL** by pressing the **5** 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 <b>4</b>	CCT/HUE <b>5</b>	GN/SAT/COLOR <b>6</b>	« ▾ » <b>1</b> « ▴ » <b>3</b>
CCT	Light Intensity	CT 2800K to 6500K	GN -1.00 to +1.00	-

**CT 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 **5** 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 **5** knob and press the **5** push button to confirm selection.
3. Select the light mode between **CCT** with the **5** knob and press the **5** push button to confirm selection.
4. Select the DMX channel, rotating the **5** knob to change DMX ADDRESS in ascending or descending order between 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** 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 **5** knob and press the **5** push button to confirm selection.
3. Rotate the **5** knob to select **BLE**, press the **5** 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 **5** knob and press the **5** push button to confirm selection.
3. Rotate the **5** knob to select **DMX ADVANCED**, press the **5** push button to confirm selection.
4. Select one of the options among the **DMX BIT**, **DMX SIGNAL LOSS** and **RDM ENABLE** press **5** 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 **5** knob to choose between **8bit / 16bit**, press the **5** 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 **5** 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 switch off.

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

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

# RDM

## Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
<b>Device Identification</b>		
<b>Model ID</b>		<b>Model identification number</b>
	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 monocolour
	22	Lupoled dualcolor
	23	Movielight monocolour
	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
<b>Personality</b>		<b>DMX Personality</b>
	0x01	CCT

<b>Network management</b>		
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
<b>Status collection</b>		
QUEUED MESSAGES	0x0020	Retrieves queued messages or status message if no message is in queue
STATUS MESSAGES	0x0030	Retrieves current Warning/Error messages
<b>RDM Information</b>		
SUPPORTED PARAMETERS	0x0050	Retrieves a list of all supported RDM commands
PARAMETER DESCRIPTION	0x0051	Retrieves a list of all RDM commands
<b>Product Information</b>		
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
<b>DMX512 Setup</b>		
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
<b>Control</b>		
IDENTIFY DEVICE	0x1000	The identify flag (flashes the light)
<b>Manufacturer Commands</b>		
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 **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** 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 **5** button.

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

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

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

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

**Frequency:** Dimmer frequency 18 KHz - 25 KHz

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

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

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

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

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

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

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

## RESET DEVICE

1. Press the « **OK** » **2** button to enter the main MENU.
2. Select **RESET DEVICE** rotating the **5** 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

MODE: CCT

### DMX OPERATION

MODE: CCT

BIT: 8 BIT

DMX SIGNAL LOSS: Settings 1 MIN

RDM ENABLE: OFF

INV - CCT: OFF

### DEVICE SETTINGS

FAN: ON

DISPLAY: 1 min

MENU VIEW : Manual/DMX

FILTER : Normal speed

LINEARIZATION: Linear

FREQUENCY: 18 KHz

### BLUETOOTH

Bluetooth Active: OFF

## DMX OPERATION - DMX protocol

The Actionpanel 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 units of Actionpanel to avoid overlaps.

DMX Channel Protocol - 8 bit				
MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	2	1. DIMMER	0 - 255	0 ÷ 100 %
		2. COLOR TEMPERATURE	0 - 255	6500 - 2700

DMX Channel Protocol - 16 bit				
MODE	CHANNELS	DMX CHANNEL POSITION	DMX VALUE	VALUE
CCT	6	1. DIMMER - byte 1	0 - 65535	0 ÷ 100 %
		2. DIMMER - byte 2		
		3. COLOR TEMPERATURE - byte 1	0 - 65535	6500 - 2700
		4. COLOR TEMPERATURE - byte 2		
		5. GN COMPENSATION - byte 1	0 ÷ 500	∅
		6. GN COMPENSATION - byte 2	501 ÷ 65535	-1,00 ÷ + 1,00

## USB port

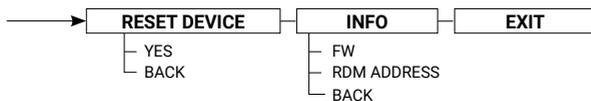
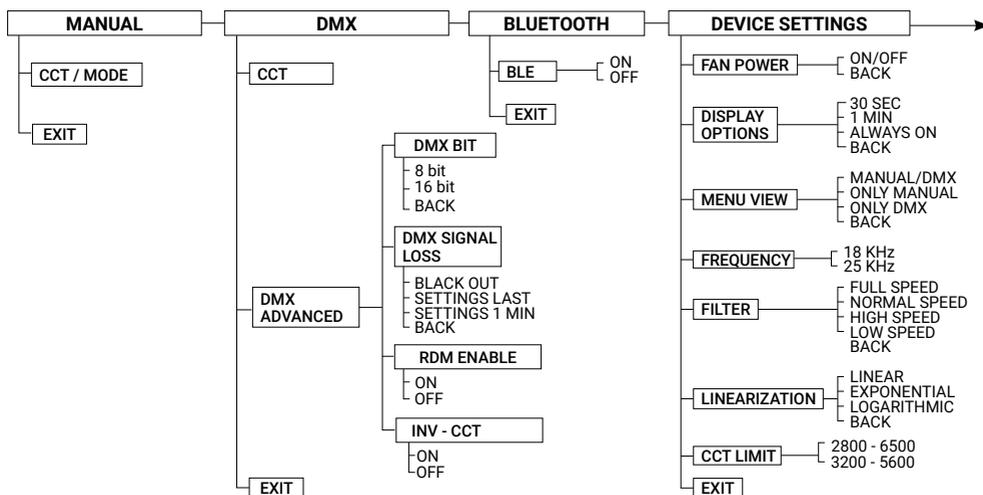
Use USB port for firmware updates.

## Update the Firmware

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

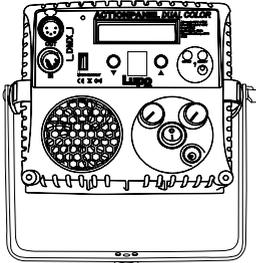
## MENU e submenus

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

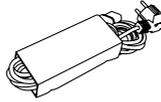


**NOTE:** After 1 minute of inactivity in the menu, the device automatically exits and returns to the last selected mode.

## Package Contents for Actionpanel



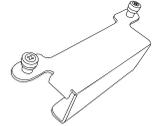
**Actionpanel**



**AC Power  
Cord Cable**



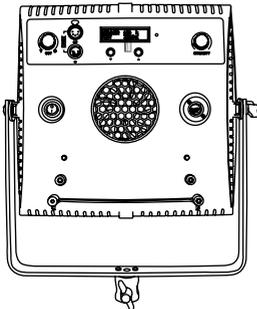
**AC Adapter \***  
AC input: 100 V - 240 V  
DC output: 24 V



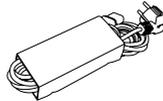
**AC Adapter  
Mounting  
Bracket**

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

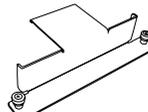
## Package Contents for Superpanel 30 and Ultrapanel 30



**Superpanel 30  
Ultrapanel 30**



**AC Power  
Cord Cable**



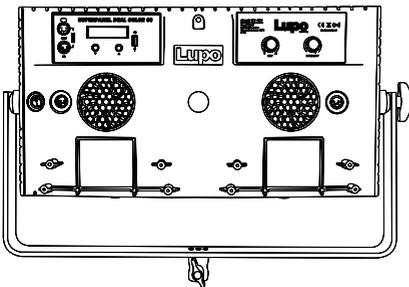
**AC Adapter  
Mounting  
Bracket**



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

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

## Package Contents for Superpanel 60 and Ultrapanel 60



**Superpanel 60  
Ultrapanel 60**

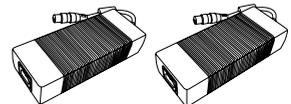
**AC Power Cord with  
AC Power Cord Splitter**



**2x AC Adapter  
Mounting  
Bracket**



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



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