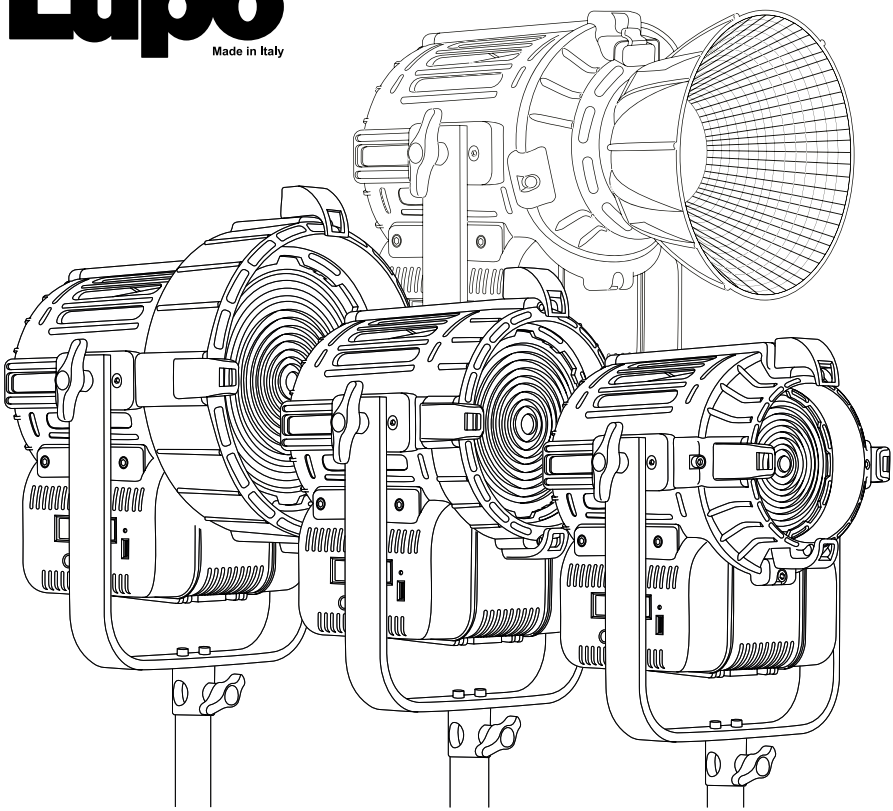
Lupo

Made in Italy



# Dayled PRO
# Movielight PRO

## User Manual

**DAYLED 650 PRO / DAYLED 650 PRO DUAL COLOR**
**DAYLED 1000 PRO / DAYLED 1000 PRO DUAL COLOR**
**DAYLED 2000 PRO / DAYLED 2000 PRO DUAL COLOR**

**MOVIELIGHT 300 PRO**
**MOVIELIGHT 300 PRO 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 dripping or splashing. Do not place any objects filled with liquids on or near the equipment. Do not expose the equipment to hasty temperature changes in humid conditions as this could lead to condensation water in the unit. Equipment must only be serviced, modified or repaired by authorized and competent service personnel!

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

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

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

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

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

## ⚠ WARNING:

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

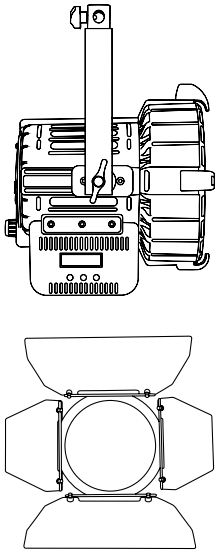
*Thanks for having purchased **Lupo** products. All the products are made in Italy and all the efforts have been put to keep the quality standards high. We hope this product can help you in your job and make your life easier as a professional. We also hope you will enjoy its use and we would be happy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

## Instructions

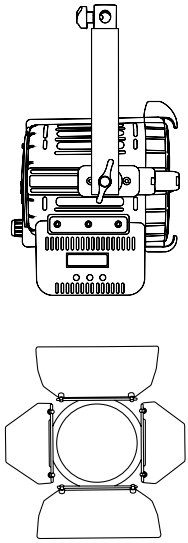
- Max input current for daisy chain: 15 A
- Device for indoor use only.
- Protection standard IP20.
- Maximum ambient temperature: 45 °C.
- Make sure power supply plug is suitable to power required.
- As prescribed by international regulations, a safety cable must be used when the fixture is suspended 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 is equipped with 60 W single LED array.
- Dayled 1000 is equipped with 110 W single LED array.
- Dayled 2000 is equipped with 220 W single LED array.

## Package Contents for Dayled PRO

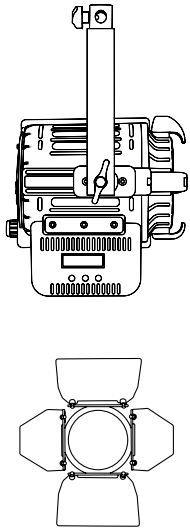
Dayled model + Barndoors



**Dayled 2000**



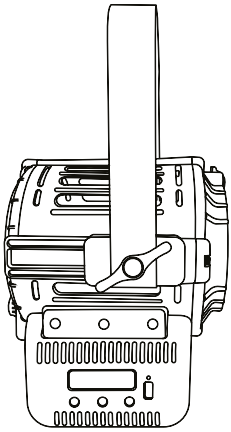
**Dayled 1000**



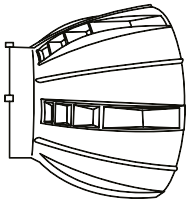
**Dayled 650**

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

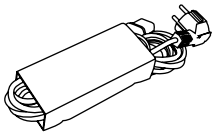
## Package Contents for Movielight 300 PRO



**Movielight 300 PRO**



**Parabolic Reflector**



**AC Power Cord Cable**

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

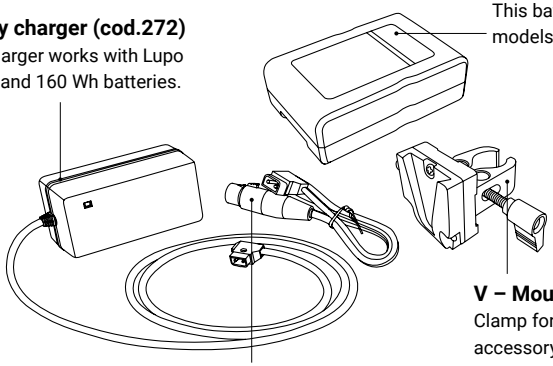
## Accessories

The accessories are products sold separately.

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

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

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

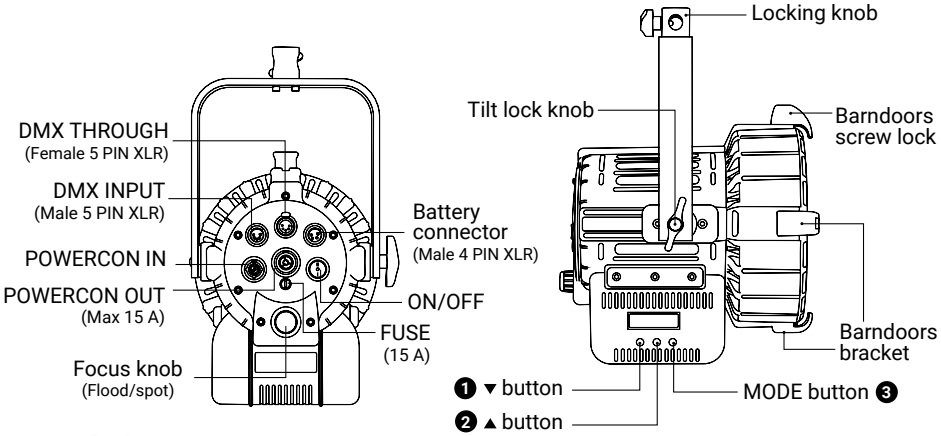


**D – Tap cable (cod.313)**

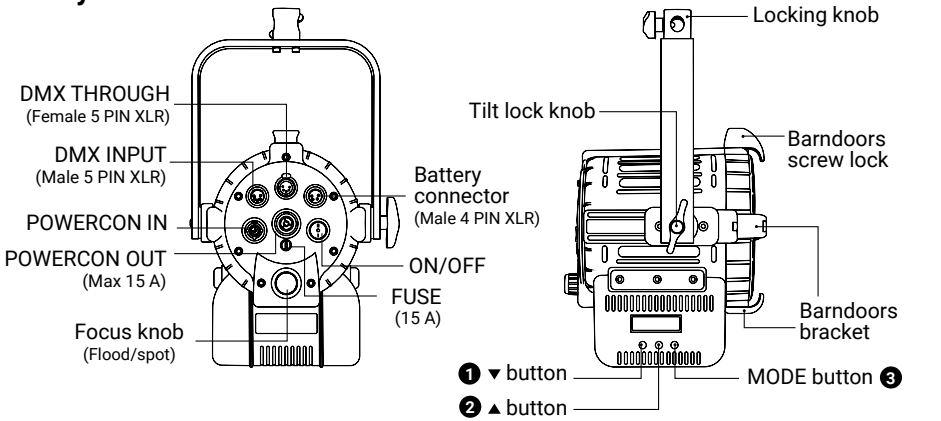
**V – Mount clamp (cod.320)**
Clamp for stand only is an essential accessory for lithium battery powered equipment. It accepts all standard V-Mount batteries.

# Getting Started with the Dayled PRO

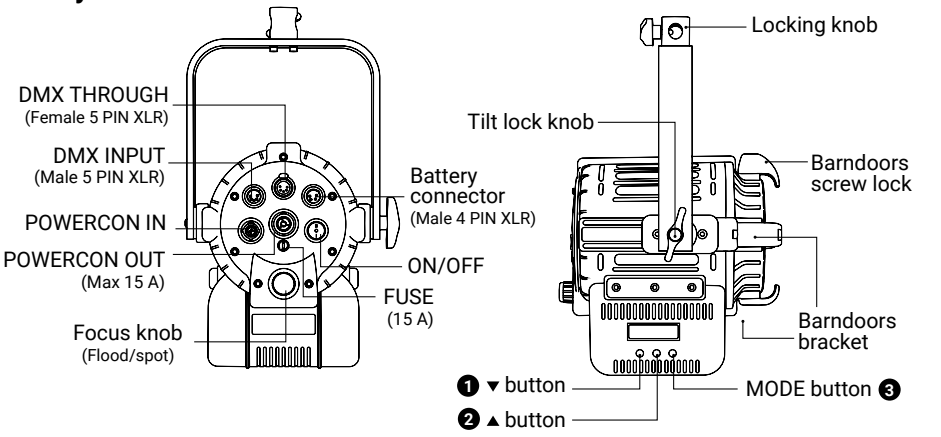
## Dayled 2000 PRO



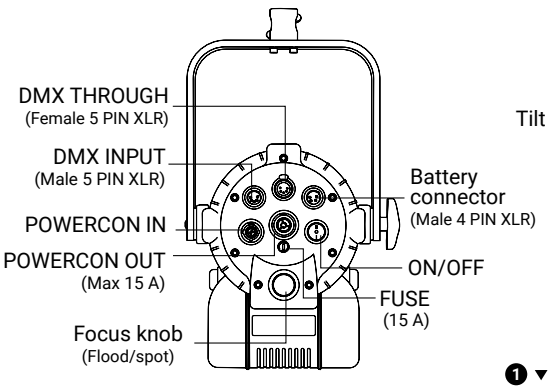

## Dayled 1000 PRO

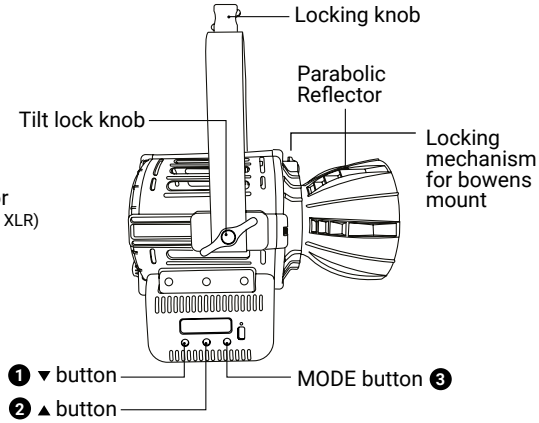



## Dayled 650 PRO



# Getting Started with the Movielight 300




## OPERATION MODE

### 1 Manual Operation

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

- **DIMMER:** Use the «▼» ❶ or «▲» ❷ buttons to adjust the luminous intensity level from **0 to 100%.**
- **COLOR*:** *Function available only the Dual Color version*.*
  Use the «▼» ❶ or «▲» ❷ buttons to adjust the color temperature from **2800K to 6500K.**

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

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

### 2 DMX Operation

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

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

## ADVANCED FEATURES

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

1. Use the ❶ or ❷ buttons to navigate between the main MENU options: ***MANUAL / DMX / BLUETOOTH / DEVICE SETTINGS / RESET DEVICE / INFO.***
2. Use the ❸ button to select an option.

### 1 Manual Options

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

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

**- LIGHTNING (ON/OFF):**

Select ***LIGHTNING ON*** by pressing the « » ❶ or « » ❷ buttons to disable the lightning effect.

**- MENU (ON/OFF):**

1. Select ***MENU SEL*** by pressing the ❸ button.
2. Press « » ❶ or « » ❷ to activate the functions.

### 2 DMX Options

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

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

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

**DMX BIT:** Resolution of the DMX control.

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

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

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

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

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

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

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

# DMX Protocol

| DMX Channel Protocol - 8 bit | | | | |
|---|---|---|---|---|
| **MODE** | **CHANNELS** | **DMX CHANNEL POSITION** | **DMX VALUE** | **VALUE** |
| CCT | 2 | 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* | | |

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

## 3 Device Settings

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

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

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

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

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

- **Linear:** No compensation, the intensity of the light is directly proportional to requested power
- **Exponential:** The light intensity increases from 0 to 100 exponentially.
- **Logarithmic:** The light intensity increases from 0 to 100 logarithmically.

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

## 4 Reset Device

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

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

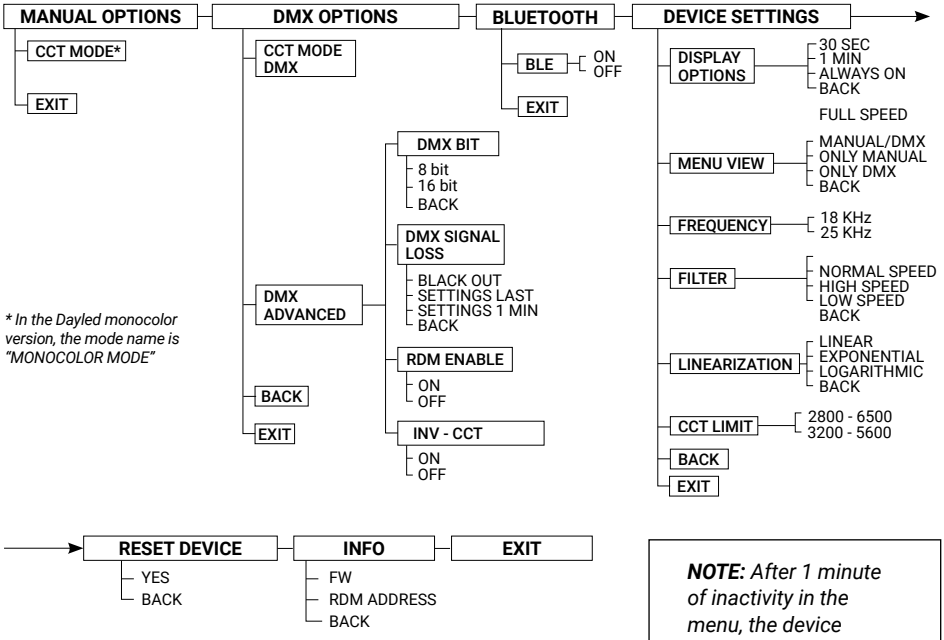
| FACTORY DEFAULT SETTING | |
|---|---|
| **MANUAL OPERATION** | **DEVICE SETTINGS** |
| MODE: CCT | DISPLAY: 1 min |
| | MENU VIEW : Manual/DMX |
| **DMX OPERATION** | FILTER : Normal speed |
| MODE: CCT | LINEARIZATION: Linear |
| BIT: 8 BIT | CCT LIMIT: 2800K - 10000K |
| DMX SIGNAL LOSS: Settings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

## BLUETOOTH

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

# Advanced Features Menu e Sub - Menus

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




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

# RDM
# Protocol Specification

| COMMAND | PID | DESCRIPTION |
|---|---|---|
| Manufacturer ID | 0x0622 | Manufacturer identification number (LUPO Lighting). |
| **Device Identification** | | |
| **Model ID** | | **Model identification number** |
| | 1 | Dayled 650 mono color |
| | 2 | Dayled 650 dual color |
| | 3 | Dayled 1000 mono color |
| | 4 | Dayled 1000 dual color |
| | 5 | Dayled 2000 mono color |
| | 6 | Dayled 2000 dual color |
| | 7 | Superpanel 30 dual color soft |
| | 8 | Superpanel 30 dual color lens |
| | 9 | Superpanel 30 full color soft |
| | 10 | Superpanel 30 full color lens |
| | 11 | Superpanel 60 dual color soft |
| | 12 | Superpanel 60 dual color lens |
| | 13 | Superpanel 60 full color soft |
| | 14 | Superpanel 60 full color lens |
| | 15 | Actionpanel dual color soft |
| | 16 | Actionpanel dual color lens |
| | 17 | Actionpanel full color soft |
| | 18 | Actionpanel full color lens |
| | 19 | Kickasspanel dual color |
| | 20 | Kickasspanel full color |
| | 21 | Lupoled monocolor |
| | 22 | Lupoled dualcolor |
| | 23 | Movielight monocolor |
| | 24 | Movielight dual color |
| | 25 | Ultrapanel 30 dual color soft |
| | 26 | Ultrapanel 30 dual color lens |
| | 27 | Ultrapanel 60 full color soft |
| | 28 | Ultrapanel 60 full color lens |
| | 29 | Ultrapanel 30 full color soft |
| | 30 | Ultrapanel 30 full color lens |
| | 31 | Ultrapanel 60 dual color soft |
| | 32 | Ultrapanel 60 dual color lens |
| **Personality** | | **DMX Personality** |
| | 0x01 | CCT |

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