Lupo
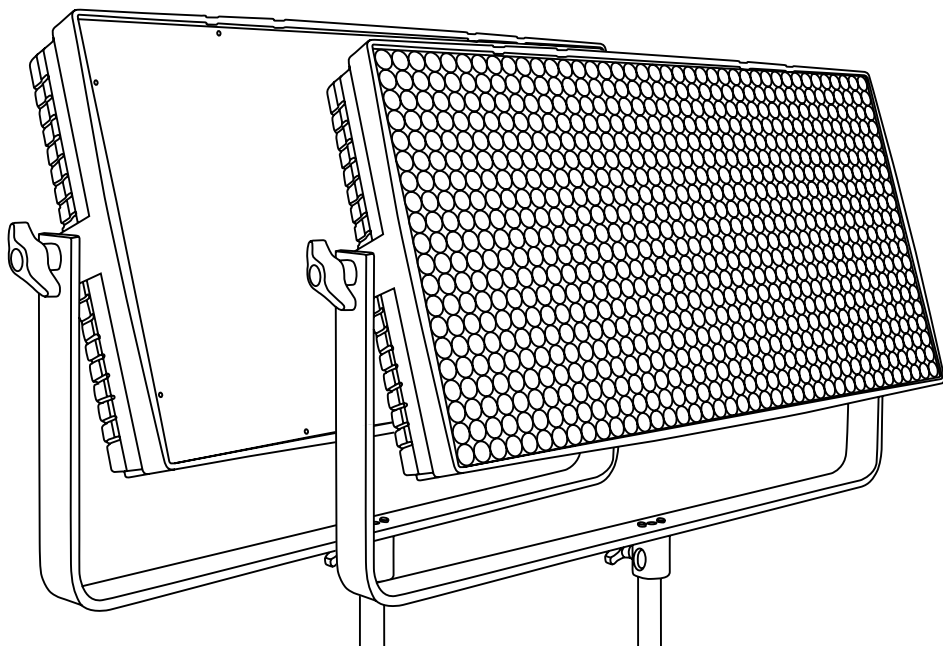Made in Italy

Superpanel
DUAL COLOR 60
Hard / Soft

Release 4.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.
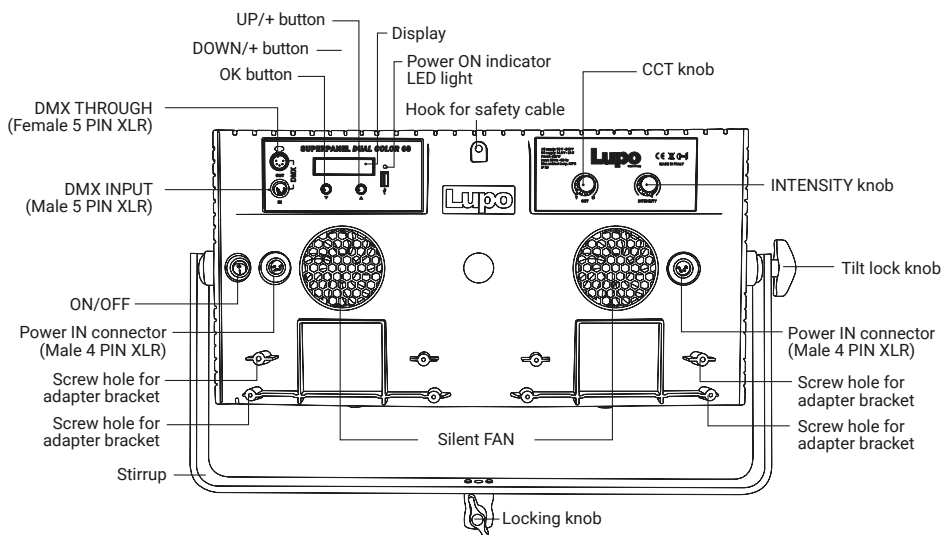Both safety cables must be properly dimensioned for the fixture and the application when the fixture is operated in hanging position please ensure that the accessories are installed correctly with top latch locked.

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*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.*
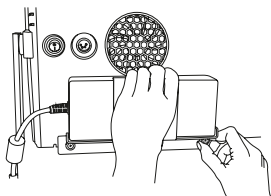
Instructions

- 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 powerleds.
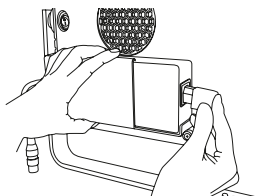
Getting Started

UP/+ button
DOWN/+ button
OK button
Display
Power ON indicator LED light
Hook for safety cable
CCT knob
DMX THROUGH (Female 5 PIN XLR)
DMX INPUT (Male 5 PIN XLR)
INTENSITY knob
Tilt lock knob
ON/OFF
Power IN connector (Male 4 PIN XLR)
Screw hole for adapter bracket
Screw hole for adapter bracket
Power IN connector (Male 4 PIN XLR)
Screw hole for adapter bracket
Screw hole for adapter bracket
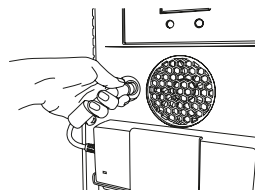Silent FAN
Stirrup
Locking knob

Turning on the Superpanel

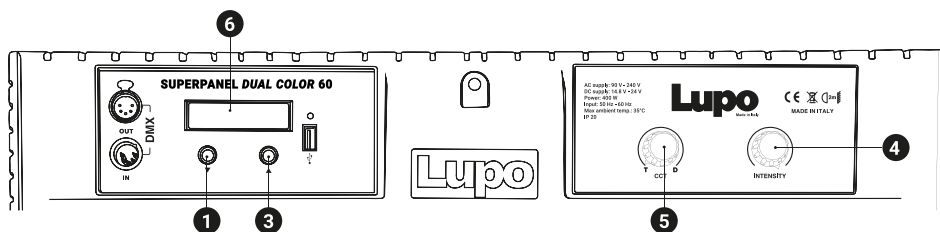**1** Place the AC Adapters in the mounting brackets via the 2 captive screws of the SUPERPANEL 60 fixture.

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

3 Insert the DC XLR 4 pin connectors into the input jacks on the SUPERPANEL 60 and **power on** the fixture.

Functioning

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 / EFFECT* with the **5** knob and press the **5** push button to confirm selection.
4. See *LIGHT MODES*.

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 / EFFECT* 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

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

LIGHT MODES

	MODE	INTENSITY ❹	CCT/HUE ⑤	GN/SAT/COLOR ❻	« ▼ » ❶ « ▲ » ❸
*	CCT	Light Intensity from 0 to 100%	CT 2800K to 10000K	GN -1.00 to +1.00	-
	EFFECT		*"See EFFECT table"*	*"See EFFECT table"*	**Change Effect**

* In **CCT** Mode, the **« ▲ » ❶** key selects the *STROBE* page and the **« ▼ » ❷** key exits the **STROBE PAGE**.

In the *STROBE PAGE* it is possible to set *DIMMER* value and the *STROBE* frequency by rotating the **⑤** button.

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

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. **SPECIAL EFFECT MODE:** Mode with 3 SPECIAL EFFECTS. **TELEVISION BW / PAPARAZZI / LIGHTNING**

1. In MANUAL OPTIONS or DMX MODE menu select **EFFECT MODE**.

2. Select the EFFECT to be activated with rotate the ❺ button, confirm the selection by pressing the ❺ push button.

3. In current mode, use the « ▼ » ❶ o « ▲ » ❷ button to change the EFFECT in ascending or descending order. **THE EFFECT ON THE DISPLAY IS THE SELECTED EFFECT.**

4. Use the knobs ❺ and ❹ to adjust the effect setting values. **See table below.**

EFFECT	❹ INTENSITY knob	❺ CCT/HUE knob	❻ GN/SAT/COLOR knob
TELEVISION BW	Light Intensity from 0 to 100%	White range - 1 / 2 / 3 / 4	Frequency - 4 to 24 Hz
PAPARAZZI		Flashing Interval - 1 to 10	Bulb type - 0 / 1 / 2
LIGHTNING		Color Temperature	Lightnings Interval - 1 to 20

DEVICE SETTINGS

1. Press the ❺ push button to enter the main MENU.

2. Navigate through the MENU rotating the ❺ button, select **DEVICE SETTINGS**, press the ❺ push button to confirm the selection.

3. Navigate through the **FAN / DISPLAY / MENU VIEW / FILTER / LINEARIZATION / CCT LIMIT** functions, rotating the ❺ button to select the desired function and press the ❺ push button to confirm the selection.

4. Within each function select the option to be activated and rotate the ❺ button.

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

   When the fan is **OFF** the *light intensity* 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.**

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

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

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

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

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

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

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

RESET DEVICE

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

FACTORY DEFAULT SETTING

MANUAL OPERATION
MODE: CCT

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

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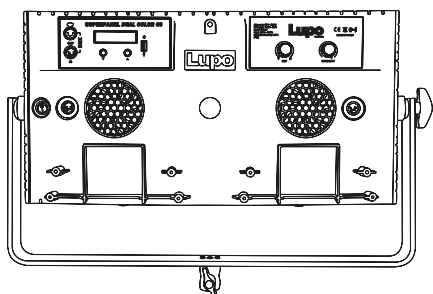FILTER : Normal speed
LINEARIZATION: Linear
CCT LIMIT: 2800K - 10000K

BLUETOOTH
Bluetooth Active: OFF

Package Contents

Superpanel 60
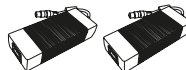
AC Power Cord with AC Power Cord Splitter

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.

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 USED**	**DMX CHANNEL POSITION**
CCT or MONOCOLOR	3	1. DIMMER
		2. COLOR TEMPERATURE*
		3. STROBE
TELEVISION*	3	1. DIMMER
		2. WHITE RANGE
		3. FREQUENCY
PAPARAZZI*	3	1. DIMMER
		2. INTERVAL
		3. BULB TYPE
LIGHTNING*	3	1. DIMMER
		2. COLOR TEMPERATURE
		3. INTERVAL

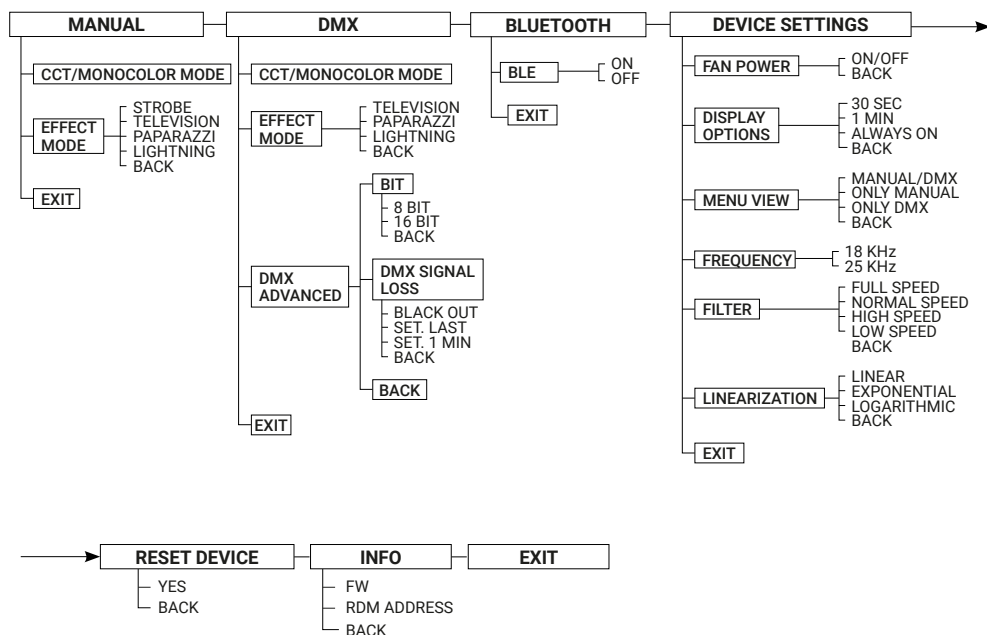| DMX Channel Protocol - 16 bit		
MODE	**CHANNELS USED**	**DMX CHANNEL POSITION**
CCT or MONOCOLOR	6	1. DIMMER - byte 1
		2. DIMMER - byte 2
		3. COLOR TEMPERATURE - byte 1*
		4. COLOR TEMPERATURE - byte 2*
		5. STROBE - byte 1*
		6. STROBE - byte 2*
TELEVISION*	6	1. DIMMER - byte 1
		2. DIMMER - byte 2
		3. WHITE RANGE - byte 1
		4. WHITE RANGE - byte 2
		5. FREQUENCY - byte 1
		6. FREQUENCY - byte 2
PAPARAZZI*	6	1. DIMMER - byte 1
		2. DIMMER - byte 2
		3. INTERVAL - byte 1
		4. INTERVAL - byte 2
		5. BULB TYPE - byte 1
		6. BULB TYPE - byte 2
LIGHTNING*	6	1. DIMMER - byte 1
		2. DIMMER - byte 2
		3. COLOR TEMPERATURE - byte 1
		4. COLOR TEMPERATURE - byte 2
		5. INTERVAL - byte 1
		6. INTERVAL - byte 2

Channel in use only the Dual Color version.

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

MANUAL	DMX	BLUETOOTH	DEVICE SETTINGS

MANUAL
- CCT/MONOCOLOR MODE
- EFFECT MODE
  - STROBE
  - TELEVISION
  - PAPARAZZI
  - LIGHTNING
  - BACK
- EXIT

DMX
- CCT/MONOCOLOR MODE
- EFFECT MODE
  - TELEVISION
  - PAPARAZZI
  - LIGHTNING
  - BACK
- DMX ADVANCED
  - BIT
    - 8 BIT
    - 16 BIT
    - BACK
  - DMX SIGNAL LOSS
    - BLACK OUT
    - SET. LAST
    - SET. 1 MIN
    - BACK
  - BACK
- EXIT

BLUETOOTH
- BLE
  - ON
  - OFF
- EXIT

DEVICE SETTINGS
- FAN POWER
  - ON/OFF
  - BACK
- DISPLAY OPTIONS
  - 30 SEC
  - 1 MIN
  - ALWAYS ON
  - BACK
- MENU VIEW
  - MANUAL/DMX
  - ONLY MANUAL
  - ONLY DMX
  - BACK
- FREQUENCY
  - 18 KHz
  - 25 KHz
- FILTER
  - FULL SPEED
  - NORMAL SPEED
  - HIGH SPEED
  - LOW SPEED
  - BACK
- LINEARIZATION
  - LINEAR
  - EXPONENTIAL
  - LOGARITHMIC
  - BACK
- EXIT

RESET DEVICE	INFO	EXIT

RESET DEVICE
- YES
- BACK

INFO
- FW
- RDM ADDRESS
- BACK

RDM
Protocol Specification

COMMAND	PID	DESCRIPTION
Manufacturer ID	0x0622	Manufacturer identification number (LUPO Lighting).
Device Identification		
Model ID		**Model identification number**
	0x0000	Dayled 650 mono color
	0x0001	Dayled 650 dual color
	0x0002	Dayled 1000 mono color
	0x0003	Dayled 1000 dual color
	0x0004	Dayled 2000 mono color
	0x0005	Dayled 2000 dual color
	0x0006	Superpanel 30 dual color soft
	0x0007	Superpanel 30 dual color lens
	0x0008	Superpanel 30 fullcolor soft
	0x0009	Superpanel 30 fullcolor lens
	0x0010	Superpanel 60 dual color soft
	0x0011	Superpanel 60 dual color lens
	0x0012	Superpanel 60 fullcolor soft
	0x0013	Superpanel 60 fullcolor lens
	0x0014	Actionpanel dual color soft
	0x0015	Actionpanel dual color lens
	0x0016	Actionpanel fullcolor soft
	0x0017	Actionpanel fullcolor lens
	0x0018	Kickasspanel dual color
	0x0019	Kickasspanel fullcolor
	0x0020	Lupoled monocolor
	0x0021	Lupoled dualcolor
Personality		**DMX Personality**
	0x00	CCT
	0x01	HSI
	0x02	RGBW
	0x03	FRGBW
	0x04	PRESET
	0x05	PARTY
	0x06	COPCAR
	0x07	DISCO 1
	0x08	DISCO 2
	0x09	TELEVISION BW
	0x0A	TELEVISION CO

	0x0B	PAPARAZZI
	0x0C	LIGHTNING
	0x0D	EXPLOSION
	0x0E	FIREWORKS
	0x0F	FIRE
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