

# RobLight



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## DMX/RDM installation

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Control manual for FL  
1100/1300/1500 C  
(DMX/RDM-model)

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## Factory default setting:

Factory default Address settings are as follows:

### **Dual Model:**

Channel 1: Dimming  
Channel 2: Colour Wheel  
Channel 3: Twinkle Wheel

### **Colour Model:**

Channel 1: Dimming  
Channel 2: Colour Wheel

### **Twinkle Model:**

Channel 1: Dimming  
Channel 2: Twinkle Wheel

### **Tunable White Model:**

Channel 1: Warm White Dimming  
Channel 2: Cold White Dimming  
Channel 3: Colour/Twinkle Wheel

### **RGB Twinkle Model:**

Channel 1: Red Dimming  
Channel 2: Green Dimming  
Channel 3: Blue Dimming  
Channel 4: Twinkle Wheel

### **RGBW Twinkle Model:**

Channel 1: Red Dimming  
Channel 2: Green Dimming  
Channel 3: Blue Dimming  
Channel 4: White Dimming  
Channel 5: Twinkle Wheel

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## **Factory custom set up addresses:**

You can order a custom addressing (part number 9903 0071) of the unit when ordering the light generators. The light generators will be supplied with a label informing about the settings.

## **Setting up addressing on site:**

Please be advised that the following steps necessitate the expertise of a qualified technician. Additionally, undertaking any tasks related to a light generator should only be handled by a trained electrician.

To modify the DMX address of the device, it is necessary to establish a connection between a RDM controller and the DMX connector.

The programming procedure relies on the specific RDM controller and software utilized. The device is compliant with RDM (ANSI E1.20).

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## DMX wiring:

The light generator is supplied with a shielded twisted pair rubber DMX cable, which is terminated with a 5-pole XLR connector (male for DMX input, female for DMX output). The "IN/OUT" labeling is clearly indicated on the side of the device.



## **Remember always to terminate the DMX line (accessories)**

We highly recommend utilizing a shielded rubber DMX cable with twisted pairs. Upon request, the light generator can be provided with a more durable DMX cable.

RobLight advises against altering the DMX cable within the light generator, as such modifications would result in the termination of the warranty.

For comprehensive knowledge on DMX and practical installation, we recommend studying the following resource: <https://en.wikipedia.org/wiki/DMX512>

## **Download recommended Software:**

<https://nicolaudie.com/en/download.htm>

Tools (drivers, Hardware Manager, RDM tools...)

RDM\_Manager

Easy Stand Alone range

ESA2

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## **Tutorial:**

RDM Manager - Tutorial:

[https://www.youtube.com/watch?v=YEht0K5B50c&ab\\_channel=NicolaudieArchitectural](https://www.youtube.com/watch?v=YEht0K5B50c&ab_channel=NicolaudieArchitectural)

Easy Stand Alone - Tutorial:

<https://nicolaudie.com/manuals/#/en/easy-stand-alone/overview>

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## DMX protocol:

(Factory default address setting- Dual Model)

| Channel 1 |                | Channel 2                     |                                | Channel 3                     |                                 |
|-----------|----------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|
| Value     | Function       | Value <sup>(1)</sup>          | Function Colour <sup>(2)</sup> | Value <sup>(3)</sup>          | Function Twinkle <sup>(4)</sup> |
| 0         | Light off      | 0 <sup>(5)</sup>              | Reset/Clear                    | 0 <sup>(5)</sup>              | Reset/Pos. Open                 |
| 1-255     | Light -10-100% | 33                            | Green                          | 33                            | Pos. 60°                        |
|           |                | 67                            | Orange                         | 67                            | Pos. 120°                       |
|           |                | 100                           | Blue                           | 100                           | Pos. 180°                       |
|           |                | 133                           | Red                            | 133                           | Pos. 240°                       |
|           |                | 167                           | Yellow                         | 167                           | Pos. 300°                       |
|           |                | 200                           | Clear                          | 200                           | Pos. Open                       |
|           |                |                               |                                | 33-167                        | Only Twinkle                    |
|           |                | 206-225<br>210 <sup>(6)</sup> | Rotation speed<br>1 RPM        | 206-225<br>210 <sup>(6)</sup> | Rotation speed<br>1 RPM         |

Values 0-200 will position the colour wheel in angle steps of 1,8°, so values in between the defined numbers will result in mixed colours.

Function is only available in selected models.

Values 0-200 will position the twinkle wheel in angle steps of 1,8°. A value in this range will not give any twinkling, but a mix of intensities for the fibers in the harness.

Function is only available in selected models.

To transition from a speed setting to a color/twinkle mode, it is necessary to perform a wheel reset by setting it to zero and allowing a 5-second interval before proceeding to select the desired color/twinkle position.

Values 206-225 is used for continuous rotation of the colour/twinkle wheel. All values in the range are allowed and will have individual speed setting decreasing with increasing values.

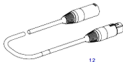







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## Wheel Speed settings:

| DMX Value       |       | Rotation speed |
|-----------------|-------|----------------|
| 205-206         | 80%   | 3 RPM          |
| 207-208         | 81%   | 2 RPM          |
| 209-210         | 82%   | 1 RPM          |
| 211-213         | 83%   | 1/2 RPM        |
| 214-215         | 84%   | 1/3 RPM        |
| 216-217         | 84.7% | 1/5 RPM        |
| 218-219         | 85.5% | 1/7 RPM        |
| 220-221         | 86%   | 1/10 RPM       |
| 222-223         | 87%   | 1/12 RPM       |
| 224-225         | 87.5% | 1/15 RPM       |
| 0               | 0%    | Reset Wheel    |
| 201-204/226-255 |       | N/A            |

Please be advised that to transition from a speed setting to a color/twinkle mode, it is necessary to perform a wheel reset by setting it to zero and allowing a 5-second interval before proceeding to select the desired color/twinkle position.

## Accessories/spare parts

|   | Part name                             | Description | Ordering  |
|---|---------------------------------------|-------------|-----------|
|  | DMX cable 2.5 m XLR plugs             |             | 9903 0056 |
|  | DMX cable 5 m XLR plugs               |             | 9903 0052 |
|  | DMX cable 10 m XLR plugs              |             | 9903 0057 |
|  | DMX cable 11 to 50 m XLR plugs        |             | 9903 0058 |
|  | DMX cable 51 to 100 m XLR plugs       |             | 9903 0059 |
|  | DMX 512 Sunlite control unit USB      |             | 0160 0302 |
|  | Netdel 100-240VAC / 5VDC              |             | 6708 0002 |
|  | DMX til 1-10V interface               |             | 0160 0316 |
|   | Factory DMX addressing                |             | 9903 0071 |
|   | DMX control unit programming per hour |             | 9903 0070 |



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