LED RGB ROPE LIGHT   USER MANUAL

SOME IMPORTANT REMARKS:

> **!! This LED RGB rope light can only be used together with the JB SYSTEMS® LED MANAGER !!**
> **!!! DON'T CONNECT DIRECTLY TO 230 Vac !!!**

- With all LEDs switched on, this rope light consumes about 2Watts/meter. This means you can connect up to 150m on 1 LED MANAGER (75m on each output: 2x 75m = 150m)
- Don't use lengths over 30m, the internal conductors will be overloaded which will damage the rope light.
- The rope light can be cut every 50cm (cutting marks available)
- This product can be used in indoor and outdoor situations, the maximum ambient temperature is 45°C.

SOME ACCESSORIES EXPLAINED:

- **POWER CABLE:** this power cable is used to connect the rope light to the LED MANAGER. This can be done by simply connecting the conductors of the power cable with the colored conductors of the cables delivered with the LED MANAGER.
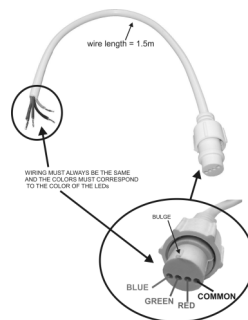
- **MIDDLE CONNECTOR:**
  Used to link 2 pieces of LED RGB rope light together.

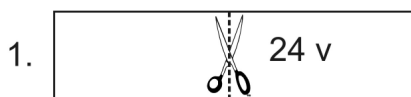- **END CAP:** Used to seal the end of a rope light.

- **MOUNTING TRACKS (2m):** Used to guide the rope light when it is installed on a flat surface. You will be come a nicely aligned straight rope light.
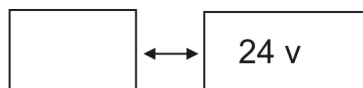
INSTALLING THE LED ROPE LIGHT:

You can install the rope light easily on any surface, we suggest using the optional mounting tracks. **Do NOT use lengths over 30m**, this may damage the internal conductors! When you have to install lengths over 30m, just split up the installation in several individual lengths. With a sharp cutting device (very sharp hobby knife or wire cutter) you can easily cut the rope light on the cutting marks (scissor symbol every 50cm) to split it up in several parts.

1.   24 v

2. CUT THE CABLE AT A SCISSOR SYMBOL

        24 v

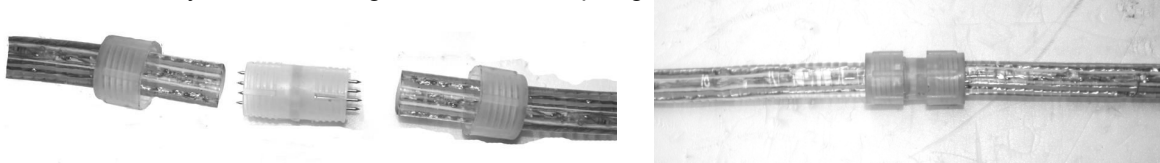3. WHEN YOU CONNECT WITH THE POWER CABLE, ALWAYS MAKE SURE THAT THE 24V SIGN ON THE CABLE IS ON YOUR RIGHT

24 v

INSTALLING THE MOUNTING TRACKS:

Use a small hacksaw to cut the mounting tracks to the desired lengths. You can fix them to the surface using strong glue or small screws. When all tracks are in place you just have to press the rope light in the mounting tracks. Done!

JBSYSTEMS
Light

LINKING 2 LED ROPE LIGHTS:

Remove the sealing rings on both sides of the middle connector and push the sealing rings over the 2 rope light ends. Press the 4 sharp pins of the middle connector in the 4 conductor holes of 1 rope light.
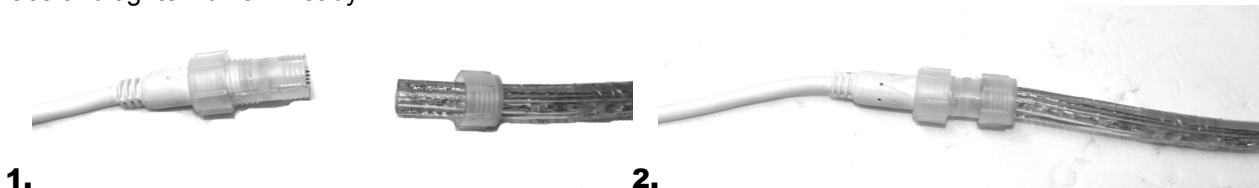**Attention:** the holes and pins are a little out of the center, make sure to insert the pins in the right way and push the middle connector as far as possible on the rope light! Put the sealing ring back in place and tighten it well. Do exactly the same thing with the other rope light end. Ready!
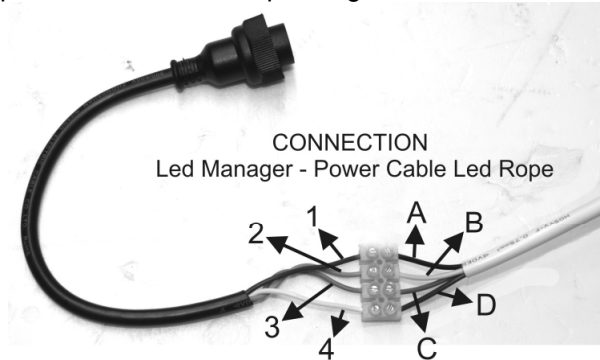

INSTALLING THE POWER CABLE:

The power cable comes together with a rope light connector that must be installed on the rope light first. Refer to the pictures 1 and 2 below.
Attention: the holes and pins are a little out of the center, make sure to insert the pins in the right way and push the connector from the power cable as far as possible on the rope light! Put the sealing ring back in place and tighten it well. Ready!

1.   **2.**

Strip the other end of the power cable and connect it to one of the two small cable assemblies that came with the led manager. Refer to picture 3 for the corresponding colours of the wires!

CONNECTION
Led Manager - Power Cable Led Rope

1	Blue/Blauw/Bleu/Blau/Azul	A	Black/Zwart/Noir/Schwarz/Negro/Preto
2	Red/Rood/Rouge/Rot/Rojo/Vermelho	B	Yellow-Green/Geel-Groen/Jaune-Vert/Gelb-Grün/Amarillo-Verde/Amarelo-Verde
3	Green/Groen/Vert/Grün/Verde	C	Brown/Bruin/Brun/Braun/Marrón/Marrom
4	White/Wit/Blanc/Weiß/Blanco/Branco	D	Blue/Blauw/Bleu/Blau/Azul

3.

INSTALLING THE END CAP:

The end of the rope light must be sealed. To make it waterproof you must put some silicon on the inside of the cap before you press it on the rope light.

CONNECTING 2 ROPE LIGHTS TROUGH A CABLE:

When you want to connect 2 led ropes trough a piece of cable, you put 2 power cables to each other. You do this as shown below (watch the color code + rope markings !) :

blue	<=>	black
brown	<=>	yellow-green
yellow-green	<=>	brown
black	<=>	blue

Led Manager — watch the marking on the led rope light

24V — watch the marking on the led rope light — End of the rope