# MR 16 RGB LED LAMP

User's manual

V.1.00

ENG

DTS

The Lighting Company

**MR16 RGB Spot lenses (Code 0505L004)**
**MR16 RGB Medium flood lenses (Code 0505L005)**
**MR16 RGB Wide flood lenses (Code 0505L006)**

## IMPORTANT SAFETY INFORMATION

### Fire prevention:

Never locate the fixture on any flammable surface.
Minimum distance from flammable materials: 10 cm

### Prevention from electric shock:

The unit should never be located in position exposed to rain or in areas of extreme humidity.

### Safety:

The external surface of the unit may exceed 50°C, never handle the unit until at least 5 minutes have elapsed since the unit was turned off.
Never install the unit in an enclosed area lacking sufficient air flow.
The ambient temperature should not exceed 40°C and should not be lower than -10°C.
Never touch the LEDs with hands, perfomance loss can occour.

## DESCRIPTION

The MR16 RGB features three 1W LEDs (1 red, 1 green, 1 blue) and can be utilized as a RGB colour changer, using the D.T.S. power supply / DMX-512 LED driver;
1 single power supply / DMX-512 LED driver can manage up to 12 MR16 RGB lamps.
Connecting the LED lamps to the driver is fast and easy, thanks to the dedicated T-BOX RJ12 connection system.
The MR16 RGB connected to the D.T.S. power supply / DMX-512 LED driver can be controlled either via an optional infra-red remote control, a recessed wall controller, or any DMX lighting console.

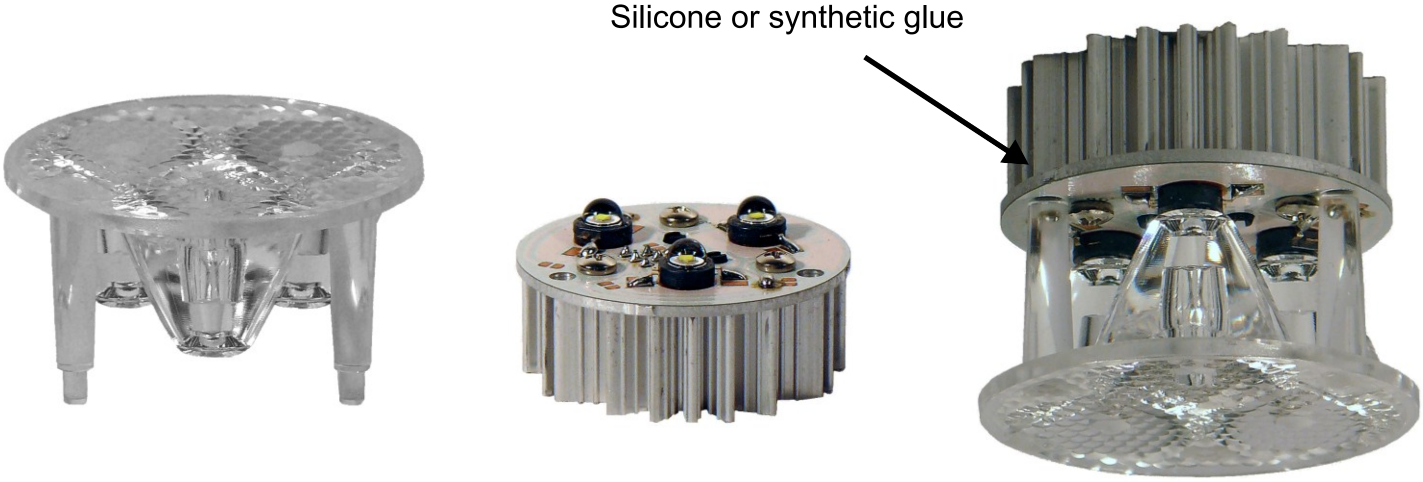
## APPLICATIONS

**Cinemas - Restaurants and pubs - Discoteques - Architectural - Interiors and Exteriors.**

## ASSEMBLING PROCEDURE

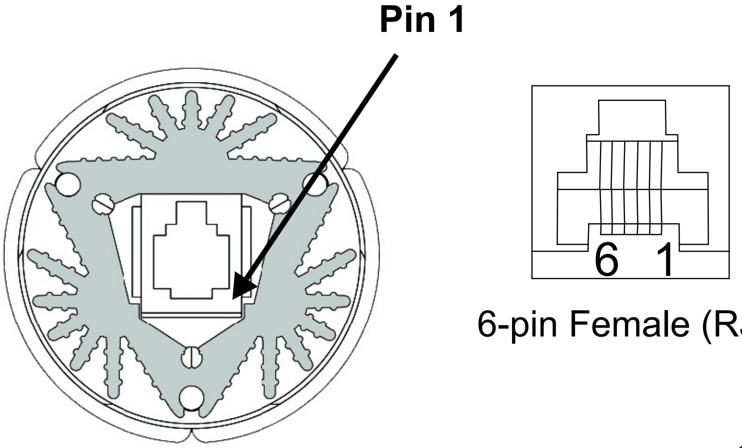
Place a drop of silicone or other synthetic glue in the 3 holes to fix the LED module to the dedicated D.T.S. lenses.

**Never touch the LEDs with hands**




## WIRING DIAGRAM

MR 16 RGB LED lamp is provided with a RJ12 connector

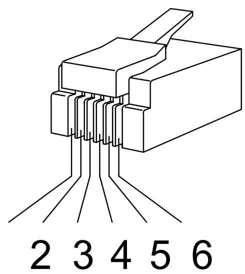



6-pin Female (RJ12)

Pin 1 = RED +
Pin 2 = RED -
Pin 3 = GREEN +
Pin 4 = GREEN -
Pin 5 = BLUE +
Pin 6 = BLUE -

RJ12 : 6P6C

6P6C indicates 6 positions 6 cables

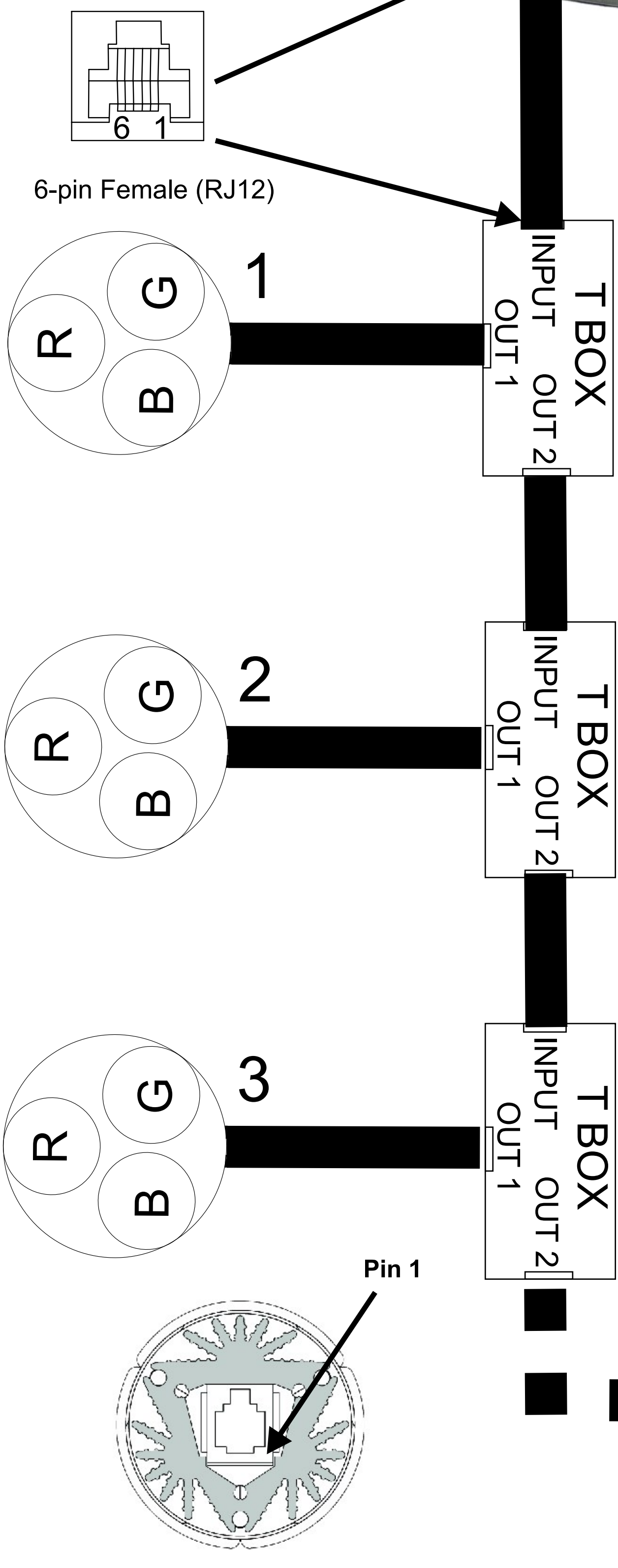


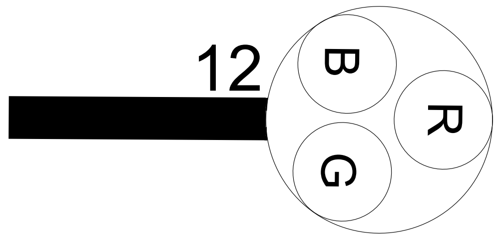

6-pin Male (RJ12)
Modular Plug

MR16 RGB LED cabling connection can be done with a standard UTP TIA/EIA 568-A category 3 cable.
The maximum distance between power supply and the last MR16 lamp in the line should not exceed 100 meters.
For short distance connections (less than 20 meters), you can also use a standard 6 conductors telephone flat cable

## WIRING CONNECTIONS

**D.T.S. MR 16 RGB LED Power supply**
**Code 03.LA002**


D.T.S. T-BOX
**CODE 03.LA001**

**INPUT**

**OUT 2**

**OUT 1**

**IMPORTANT**:

The minimum number of MR16 RGB 3W LED lamps connectable to the D.T.S. Power supply is 3 pcs.

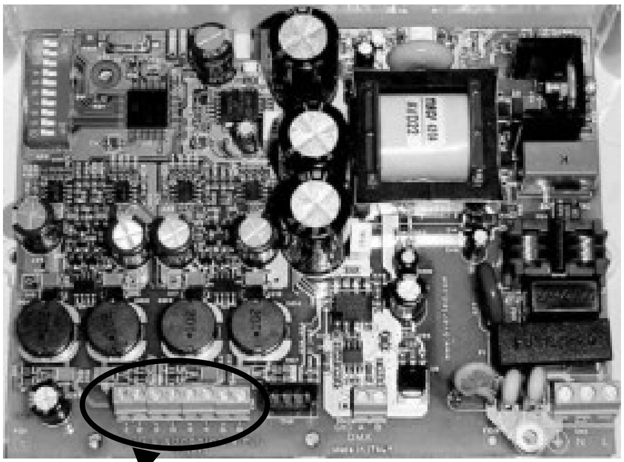
The maximum number of MR16 RGB 3W LED lamps connectable to the D.T.S. Power supply is 12 pcs.

Never plug the cable coming from the Power supply into OUT 1 or OUT 2 of the T-BOX when other MR16 lamps are connected, because a wrong connection can seriously damage the lamps.

Never plug in a new MR16 lamp when the power supply is turned on.

## WIRING CONNECTIONS

### D.T.S. MR 16 RGB LED Power supply circuit board



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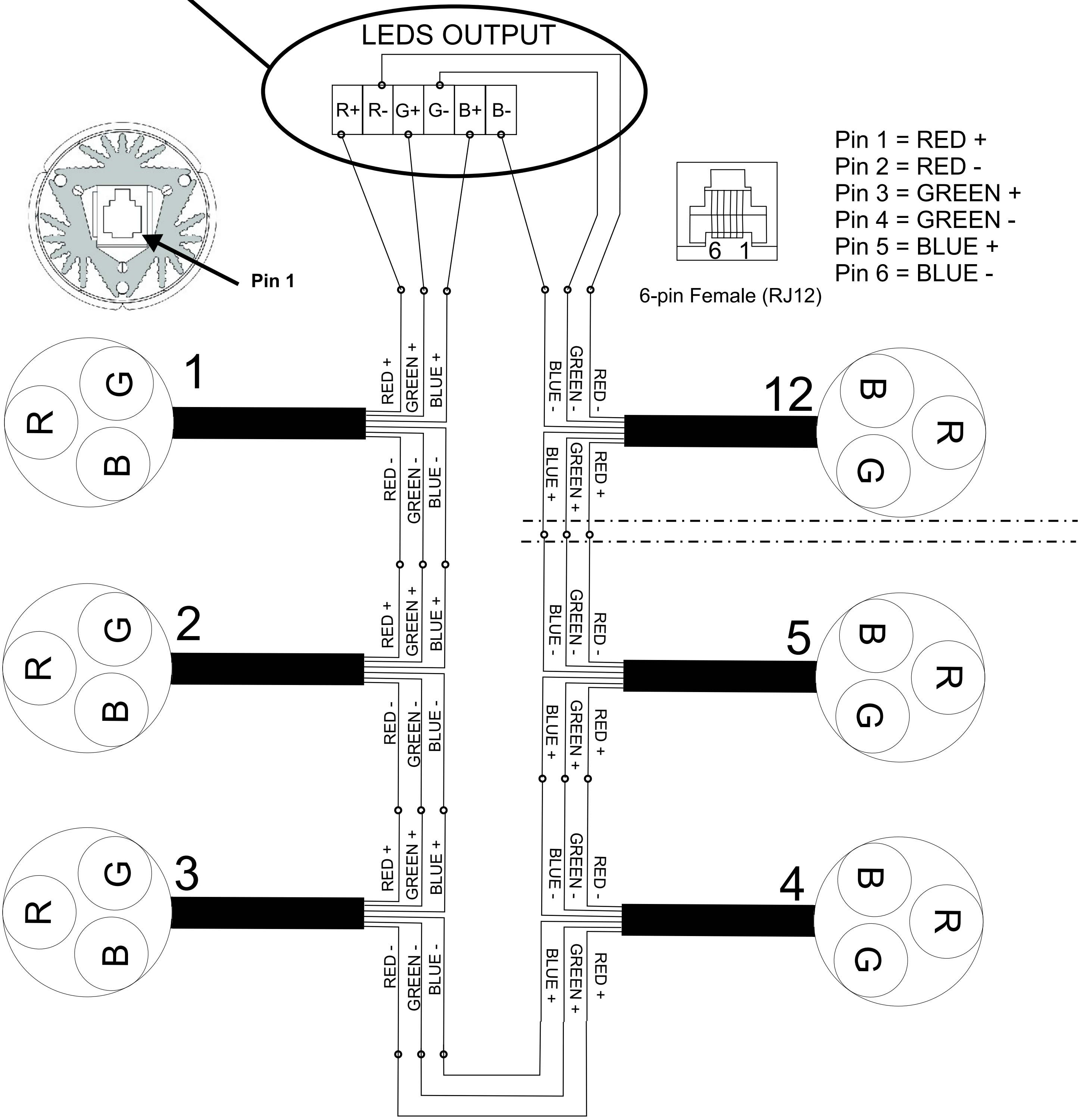


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Note

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**MADE IN ITALY**

**The Lighting Company**

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