

INSTRUCCIONES CONTROLADOR RGB B00269



Basic System Component List (All parts sold separately, unless specified)

- a) 1X RGB Control Box
- b) 1X 12VAC power supply [included in the RGB control box]
- c) 1X Remote Controller [included in the RGB controller]
- d) A few RGB MR16 lamps – Min 2 pcs, max 400 pcs

- e) 1X one meter lamp extension cable [included in the RGB MR16]



- f) 1X one meter main signal cable

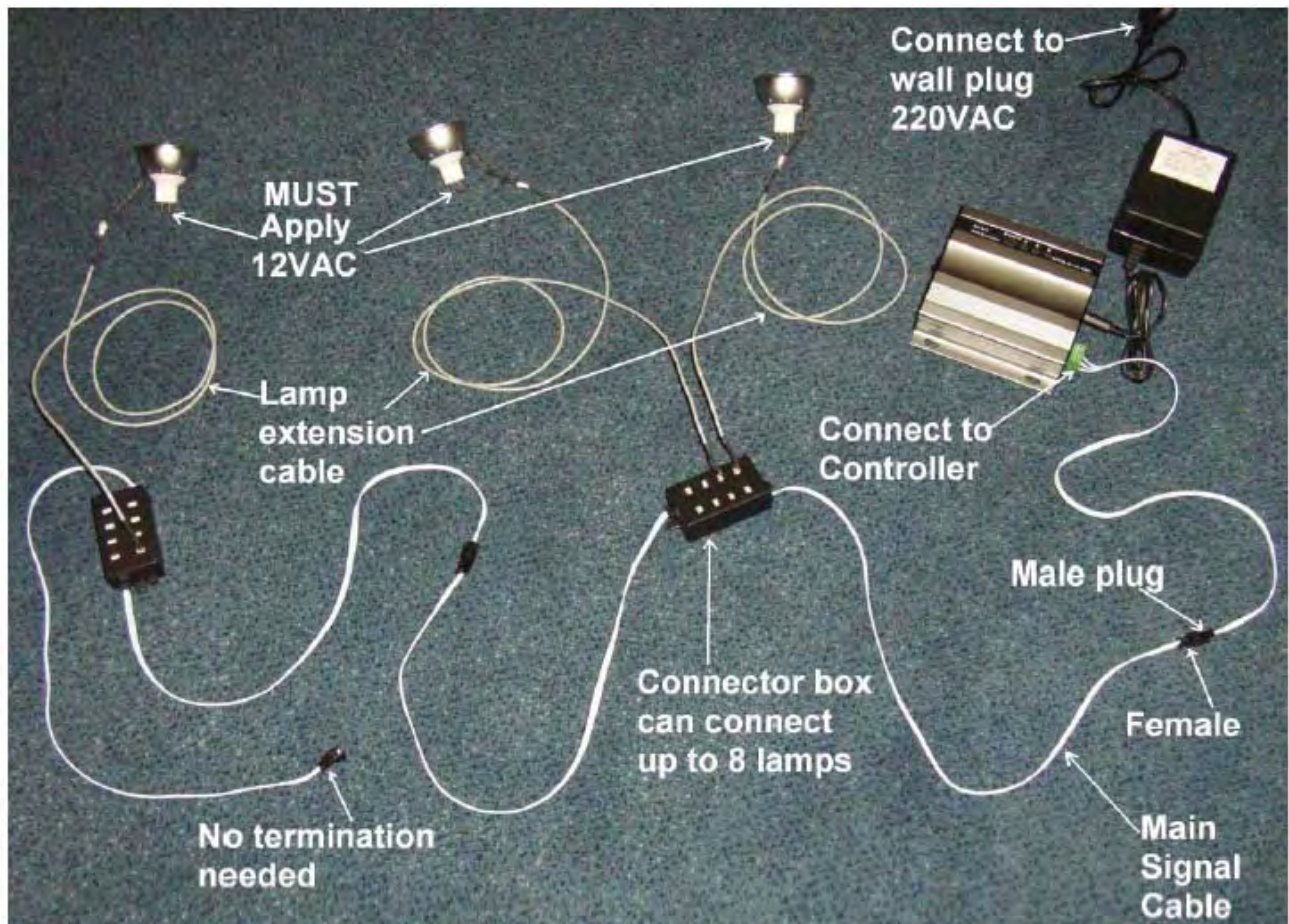


(NOTE: connector box can connect up to 8 lamps per signal cable, additional signal cable is required if more lamps are installed in the system)

- g) 1X 60W AC-AC Power Supply [not shown in picture]



DIAGRAMA DE INSTALACION



INSTALACION:

1) Before you start:

- Select the desired location to install the RGB lamps and RGB controller
- Open the packaging boxes, check all contents for any missing parts
- Turn off all power supply before performing installation

2) For Replacement Installation

- Remove the existing halogen bulbs from their lamp holders, unplug the bulbs from their sockets
- Make sure existing voltage of the sockets is 12VAC. (RGB lamps will not work with 12VDC)
- IMPORTANT** - Do not use electronic transformer to supply power to the RGB lamps. Electronic transformer will damage the electronics inside the RGB lamps.
- If electronic transformer is existed in the system, replace it with magnetic transformer (part no. PS-60W-12)
- Each 60W magnetic transformer (part no. PS-60W-12) can power up to 8 RGB lamps
- Connect the 12VAC power supply to the MR16 bi-pins connector
- Install the RGB lamps into the lamp holders
- NOTE: If electronic transformer is not accessible or replaceable, please stop the installation. Follow New Installation (step 3) for new installation

3) For New Installation

- a) Drilled holes on the desired location, install lamp holders
- b) Install magnetic transformer (optional part no. PS-60W-12) to supply power to the RGB lamps
- c) Each 60W magnetic transformer can power up to 8 RGB lamps
- d) Connect the 12VAC power supply to the MR16 bi-pins connector
- e) Install the RGB lamps into the lamp holders

4) RGB Controller Installation

- a) Secure the RGB controller on a dry location with 4X M4 screws
- b) Connect the supplied 12VAC adaptor to the controller box.

5) Main Signal Cable Connection

- a) Connect the green plug of the supplied signal cable to RGB controller CH1, CH2, CH3 or CH4
- b) Connect the male plug of the short cable to the female connector of main signal cable
- c) Each main signal cable is 1 meter long. It can be connected end to end with other main signal cable to form a chain up to 100 meter in length
- d) No termination is need for the end of the main signal cable
- e) Run the main signal cable close to where the RGB lamps are installed

6) Connecting the RGB MR16 Lamps to Main Signal Cable

- a) From the MR16 lamps, connect the supplied lamp extension cable to the lamp and connect the other end to the black connector box. (the extension cable has male and female side, please check and connect to the correct side)
- b) Note: Each main connector box can accept 8 lamp connections











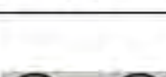

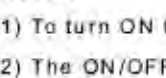
7) Before turning on the system, please make sure:

- a) all wiring connections is firmly secured, no loose connections
- b) to turn on the "ON/OFF" switch on the RGB controller
- c) to turn on the AC-AC transformers for the lamps
- d) THE TRANSFORMER SUPPLY 12VAC TO THE RGB LAMPS

8) TURNING ON THE SYSTEM

- a) To turn on the system, aim the remote controller to the control box, select desire mode.
- b) Use the remote controller to change the programs desired by press the button
- c) For more remote controller function, please refer to step (9) on page 4

FUNCIONES DEL MANDO REMOTO

Button	Function
	Turn on or off the lamp or to recall last mode/color
	Pause the SMOOTH color change
	Manually change all 7 colors.
	Smooth/slow color change mode
	Rapid color change mode
	White strobe mode
	Any color flashing mode [press R/G/B + FLASH]
	Press MUSIC for white color music sensing mode. For other color music mode [press R/G/B + MUSIC]
	Speed control of the STROBE and FAST mode
	Brightness control for red color. Also work in STROBE mode.
	Brightness control for green color. Also work in STROBE mode.
	Brightness control for blue color. Also work in STROBE mode.
	Press button "1" and "2" for 5 seconds to save the favorite program permanently in memory. Press "1" and "2" to recall the saved programs. These buttons can be used repeatedly to save new favorite programs.
<p>Notes:</p> <p>1) To turn ON the spotlight, just press the button of any desire mode.</p> <p>2) The ON/OFF button is also a last mode/color recall button.</p>	



ESQUEMA DE CONEXIÓN:

10) TYPICAL WIRING DIAGRAM

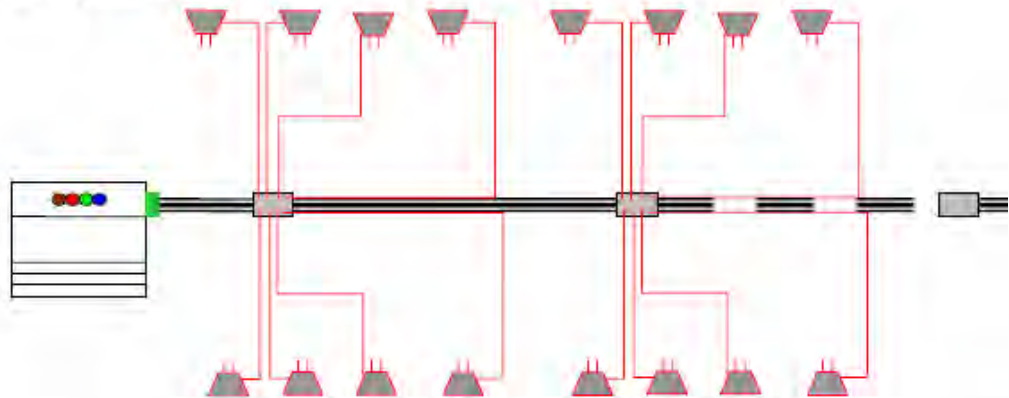


Fig 1. Typical Single Channel 16 Lamps Connection

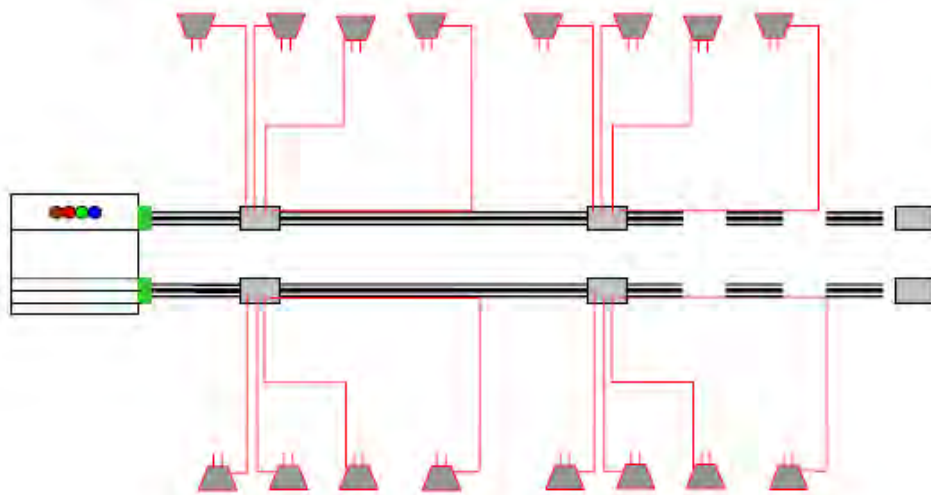
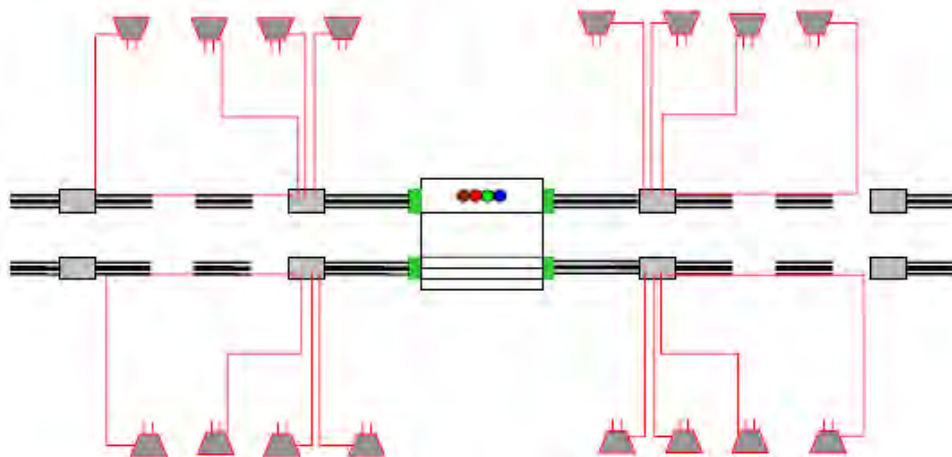


Fig 2. Typical 2 Channel 16 Lamps Connections



11) TROUBLESHOOTING

Problems	Possible Causes	Suggested Solutions
No light – RGB lamps and LED indicators on controller does not light up	<ul style="list-style-type: none"> a) AC-AC adaptor is not connect to controller properly b) Power switch is not turn "ON" c) Remote controller is out of battery 	<ul style="list-style-type: none"> a) Connect the AC-AC adaptor to controller and mains voltage b) Turn on the power switch on the controller c) Replace the CR2025 battery with new one
Controller working, but all or some RGB lamps do not light up	<ul style="list-style-type: none"> a) RGB lamps does not have correct input voltage b) Lamp power supply overloaded c) Signal cables are loose or not connect properly 	<ul style="list-style-type: none"> a) Supply 12V AC to RGB lamps. Suggest using part no. PS-60W-12 b) Reduce number of RGB lamps connected to power supply OR replace power supply with higher wattage model c) Check and secure all signal cable connections
RGB lamps are flickering during operation	<ul style="list-style-type: none"> a) Lamp power supply overloaded 	<ul style="list-style-type: none"> a) Reduce number of RGB lamps connected to power supply OR replace power supply with higher wattage model
Control box does not respond to remote controller	<ul style="list-style-type: none"> a) Remote controller is out of battery b) Remote controller is out of range 	<ul style="list-style-type: none"> a) Replace the CR2025 battery with new one b) Point the remote close to the controller. Max signal range is 4 meter

Note: If the above steps do not solve the problems, please contact your local distributor for further assistance.