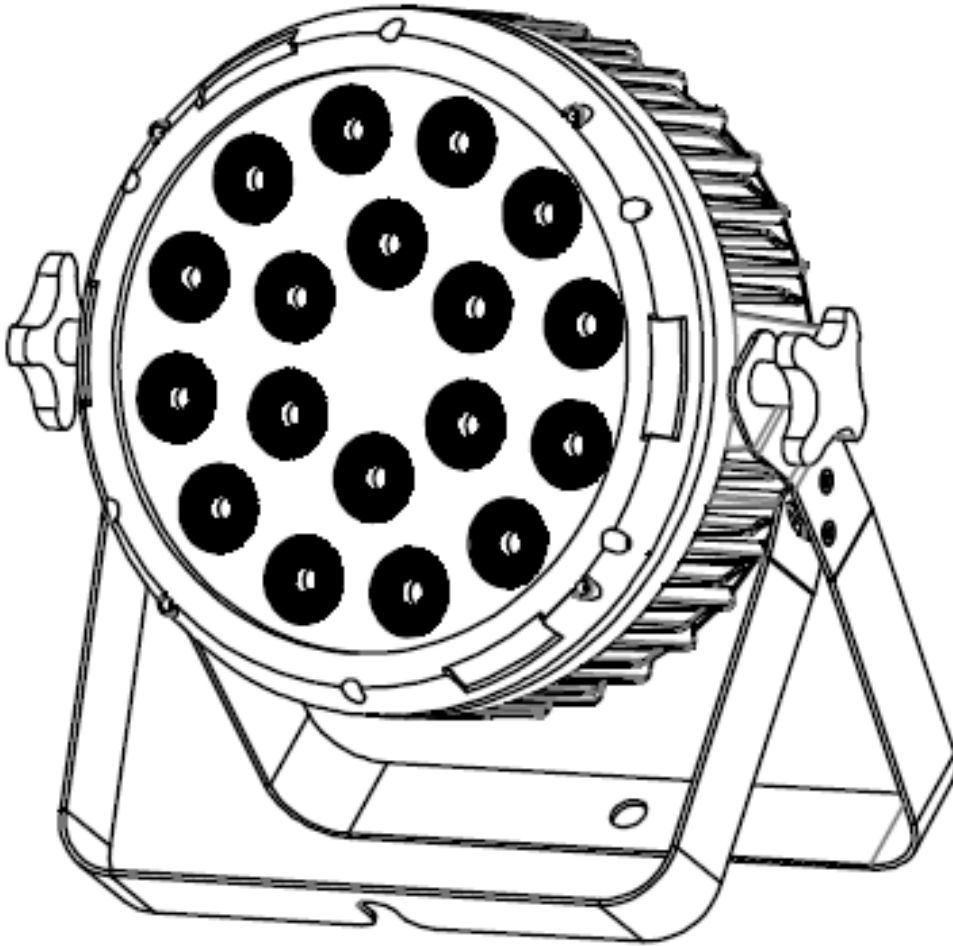


MICROH

RIO ELEMENT518 5in1 User Manual



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Introduction

Unpacking: Thank you for purchasing our high power led light. Every suit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without any warning.

Warning:

To prevent or reduce the risk of electrical shock or fire, Do not expose this to rain or moisture.

Caution:

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

Please recycle the shipping carton whenever possible.

General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Features

- Multi-Colors
- Color Strobe
- Electronic Dimming 0-100%
- DMX-512 protocol
- Master/Slave synchronization
- LED operation menu with function buttons
- Daisy Chain Units Together in DMX Mode

Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit,
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are user serviceable parts inside.
- Never operate this unit when its rear cover is removed.
- Never plug this unit into a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only; use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the units main power.
- Always mount this unit un safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning unit should be cleaned only as recommended by the manufacturer. See 'Cleaning" for details.

- Heat –The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The unit should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The appliance does not appear to operate normally or exhibits s marked change in performance.

Set UP

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the voltage required for your every suit. Every unit is available in 100v and 240v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you unit.

DMX Linking: To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path possible. The order in which units are connected in a DMX line does not influence the DMX addressing. For example; a unit assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a unit is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Operating Instructions

Operating Modes: You can use the suit in 3 ways:

- Auto Mode-The unit will automatically chase through the different colors.
- DMX control mode – This function will allow you to control each individual units traits with a standard DMX 512 controller.
- Master-slave mode – One unit will work as the master in the one of the above three modes, other units in the chain will work in synchronization towards the master.

DMX Mode: Operating through a DMX controller give the user the freedom to create their own Programs tailored to their own individual needs. This function also allows you to use your units as spot lights.

1. This function will allow you to control each individual unit’s traits with a standard DMX 512 controller.
2. The LED suit uses, 5/9 DMX channels to operate. Please see “DMX Values and Functions” for the DMX traits.
3. To run your unit in DMX mode, plug in the unit via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

Touch Buttons

There are four touch buttons under the LED display: Menu, Up, Down, Enter. Normally, the LED will display the current DMX address code of the fixture. At this time, presses up and down to choose the functions you want.










LED Operation Menu: LED screen with four touch buttons: **MENU, UP, DOWN and ENTER.**

Press MENU to return to the upper menu; Press UP or DOWN to scroll into the menu options or to adjust the values. Press ENTER to confirm.

After power on and initialization, it will show the status before last power off. Then, the unit is ready for setting and working. Please see the following table for setting information.

LED Display

Main Menu	Value	Functions
	001-511	To set the DMX address code
	01-99	Fade in & out (slow→fast)
	01-99	Change Color (slow→fast)
	01-99	Macro
	/	Auto run
	/	No Function
	/	Master and slave

DMX setup in 2 mode:

d001 (5 Channels) R, G, B, W, A

d.001 (9 Channels) R, G, B, W, A, Dimmer, Strobe, Macro, Auto run

d001:

Channel	Function	Value
1	R	0-255
2	G	0-255
3	B	0-255
4	W	0-255
5	A	0-255

d.001:

Channel	Function		Value
1	R	R	0-255
2	G	G	0-255
3	B	B	0-255
4	W	W	0-255
5	A	A	0-255
6	Dimmer	Dimmer (all off to all on)	0-255
7	Strobe	No function	0-1
		Strobe (slow to fast)	2-255
8	Marco	R	0-32
		R+G (R same, G brighter)	33-65

		R+G (G same, R less bright)	66-96
		G+B (G same, B brighter)	97-129
		G+B (B same, G less bright)	130-160
		R+B (B same, R brighter)	161-191
		R+G+B (R and B are same, G brighter)	192-224
		R+G+B+W+A (R, G and B are same, W and A brighter)	225-254
		All on	255
9	Auto run	No function	0-9
		R+B	10-63
		R+G	64-127
		G+B	128-191
		R+G+B+W+A	192-255

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe off the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not responding to DMX:

Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be “hot”). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

Specifications

Model: RIO ELEMENT518 5in1

Power: 250W

Voltage: 90-250V / 50~60Hz

Working Position: Any safe working position

LED Lamp : TX high power LEDs;

5in1(RGBWA) 12W*18pcs

DMX Channel: 5/9 channel mode

Waterproof rating: IP20, Indoor

Gross Weight:: 8Kgs

Warranty: **2 Year**

PLEASE Note: All information is subject to change without prentice !