

MICROH

PROFESSIONAL PRODUCTS

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USER MANUAL

RIO IP PAR 186

Please read this user manual before using this product

Introduction

Thank you for purchasing the MICROH RIO IP PAR 186 fixture. For your own safety and knowledge, please read this manual before installing or operating this device. This manual covers the important information on installation and applications. Please install and operate the fixture according to instructions. Meanwhile, please keep this manual for future reference.

The MICROH RIO IP PAR 186 fixture uses 18 x 12W RGBWA+UV (6 in 1) LED's which feature high brightness and stability. Please carefully unpack it when you receive the fixture and check if it was damaged during transportation. Please check whether the following items are included in the box:

RIO IP PAR 186 package:

| Item Name | Quantity |
|-----------------------------------|----------|
| RIO IP PAR 186 fixture | 1 |
| IP65 Power In & Out | 1 |
| IP65 DMX In & Out (3 pin) adaptor | 1 |
| User manual | 1 |

Safety Instructions

This device has left the factory in perfect condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



IMPORTANT!

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If this device has been exposed to temperature changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature, and is dry.

This device falls under protection-class I, therefore it is essential that the device be grounded. The electrical connection must be carried out by a qualified technician.

This device should only be used with rate voltage and frequency. Make sure that the available is not higher than 110V.

Make sure the power cord is never crimped or damaged in any way, as this could cause shock and damage. If your power cord is damaged in any way, please purchase a new power cord from your local MICROH dealer. Always disconnect power, when the device is not in use or before cleaning it. Never pull out the plug by tugging the power cord.

During initial start-up, some smoke or smell may arise. This is a normal process, and does not necessarily mean that the device is defective. It should decrease gradually. Please do not project the beam onto combustible substances.

Fixtures cannot be installed on or near combustible substances. Keep more than 50cm distance from wall or proper ventilation and air flow. If your fixture is or has become damaged in any way, it shall be exclusively replaced or repaired by the manufacturer to avoid any hazard.



CAUTION!

Never touch the device during operation! The housing may heat up!



CAUTION!

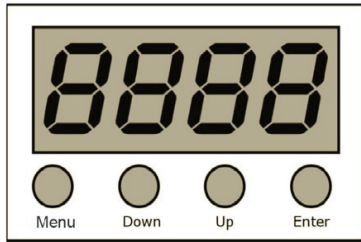
Never look directly into the light source, as sensitive persons may suffer an epileptic shock.



CAUTION!

The electric connection must only be carried out by a qualified electrician.

Key Description



MENU: Access the menu

DOWN: “reduction key” or “key under the selected”; decrease the value function down menu.

UP: “add key” or “selection on the key”; increase the value function, shift on the menu

ENTER: Is used to select and confirm/store the current selection

Menu Display

| Number | Display | Value | Function |
|--------|---------|---------|---|
| 1 | d001 | 001-512 | DMX512 address setting - 10 channel mode |
| 2 | A001 | 001-512 | DMX512 address setting - 6 channel mode |
| 3 | r255 | 000-255 | Red dimming (0 - 100%) |
| 4 | G255 | 000-255 | Green dimming (0 - 100%) |
| 5 | b255 | 000-255 | Blue dimming (0 - 100%) |
| 6 | u255 | 000-255 | White dimming (0 - 100%) |
| 7 | Y255 | 000-255 | Amber dimming (0 - 100%) |
| 8 | P255 | 000-255 | UV dimming (0 - 100%) |
| 9 | FH99 | 01-99 | Strobe (slow to fast) |
| 10 | CL01 | 01-99 | 8 kinds of colour input |
| 11 | CC01 | 01-99 | Colour jumping (slow to fast) |
| 12 | DE99 | 01-99 | Colour gradual change (slow to fast) |
| 13 | CP99 | 01-99 | Colour pulse change (slow to fast) |
| 14 | SU01 | 01-99 | mode: 1-8 (colour strobe), 9 (colour jumping) |

DMX512 Controller Channel Function

6 Channel Mode

| Channel | Function | Description |
|---------|---------------|--------------------------|
| CH1 | Red dimming | Red dimming (0 - 100%) |
| CH2 | Green dimming | Green dimming (0 - 100%) |
| CH3 | Blue dimming | Blue dimming (0 - 100%) |
| CH4 | White dimming | White dimming (0 - 100%) |
| CH5 | Amber dimming | Amber dimming (0 - 100%) |
| CH6 | UV dimming | UV dimming (0 - 100%) |

10 Channel Mode

| Channel | Function | Description |
|--------------------------|--------------------|---|
| CH1 | Master dimmer | RGBWA+UV master dimming (0 - 100%) |
| CH2 | Red dimming | Red dimming (0 - 100%) |
| CH3 | Green dimming | Green dimming (0 - 100%) |
| CH4 | Blue dimming | Blue dimming (0 - 100%) |
| CH5 | White dimming | White dimming (0 - 100%) |
| CH6 | Amber dimming | Amber dimming (0 - 100%) |
| CH7 | UV dimming | UV dimming (0 - 100%) |
| CH8 | Master strobe | RGBWA+UV master strobe (slow to fast) |
| CH9 | Function selection | 0 - 50: controlled by CH1 - CH8 |
| | | 51 - 100: 8 kinds of colour output |
| | | 101 - 150: colour jumping |
| | | 151 - 200: colour gradual change |
| | | 201 - 250: colour pulse change |
| 251 - 255: sound control | | |
| CH10 | Function speed | Function speed from slow to fast (colour output when the colour is selected) |

Connectors

RIO IP PAR 186

INPUT



OUTPUT*



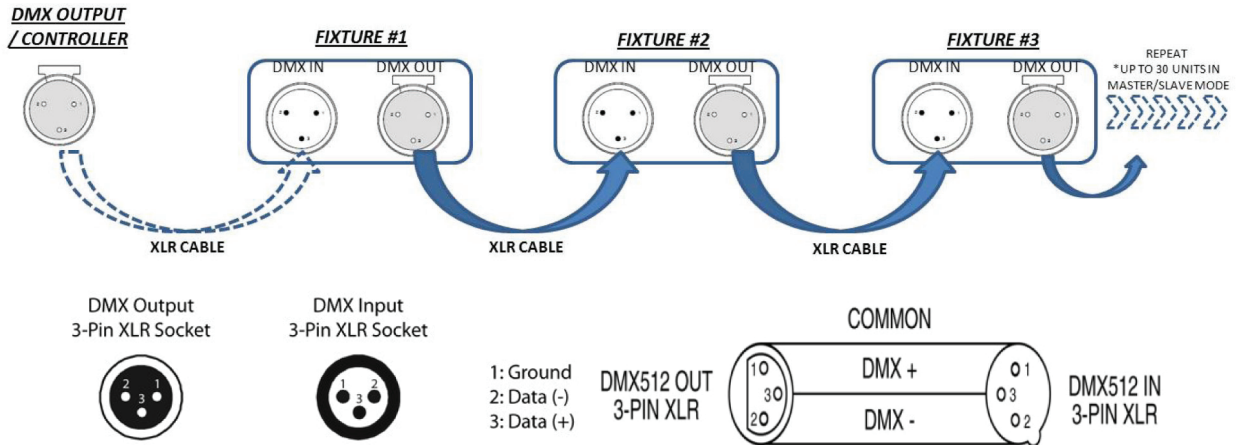
*Includes protective cover

ADAPTORS

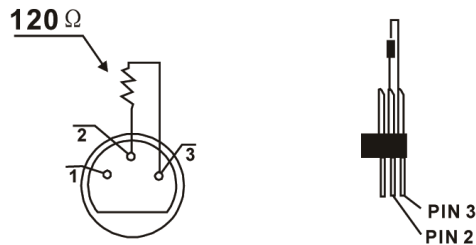


DMX -512 Control Connections

This fixture complies with international USITT DMX standards and can be used with a 3 pin DMX connector. Plug in the 3 pin XLR cable to the female 3 pin XLR output of your controller and the other side to the male 3 pin XLR input or the RIO IP PAR 186. To connect the units to DMX, you must daisy chain the fixtures together as a referred in the diagram below. Always end your DMX-512 connection with a DMX terminator.



For installations where the DMX cable has to run for a long distance, or as an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins two and three, which is then plugged into the output XLR socket of the last fixture in the chain.



Mounting And Installing

Caution: for added protection, mount the fixture in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel. Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight. Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable. Never stand directly below the device when mounting, removing, or servicing the fixture.

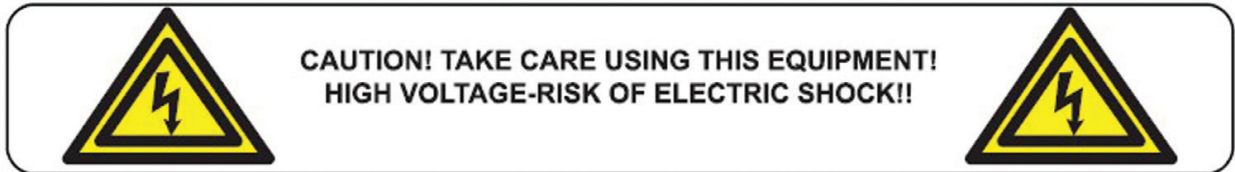
Whether installing inverted on a truss or ceiling, or set on a flat level surface, be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decorations, etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting Points:

Overhead mounting requires extensive experience, including calculating working load limits. A knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture are all imperative and should only be performed by a qualified technician. Improper installation can result in bodily injury or damage.

Regardless of the rigging option you choose for your MICROH RIO IP PAR 186 fixture, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable hanging bracket. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

Cleaning and Maintenance



Disconnect from main power before starting maintenance operation!

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

1. Clean with soft cloth using normal glass cleaning fluid.
2. Always dry the parts carefully.
3. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Specifications

| | |
|--------------------|---|
| Rated voltage: | 110V-240VAC, 50/60Hz |
| Power Consumption: | 200W |
| Lamp: | 18 x 12W RGBWA+UV(6 in 1) LEDs |
| Beam angle: | 15° |
| DMX512 Channels: | 6/10CH |
| IP Rating: | IP65*/ IP20 |
| Dimming: | 0-100% |
| Cooling system: | Convection |
| Function: | Auto-run feature, DMX-512 control console, Voice-activated functions |
| Fixtures Size: | 215x215x120mm |
| Gross Weight: | 8KG |

PLEASE NOTE:

All information for this product is subject to change without notice!

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For more information please contact:

www.microhpro.com
info@microhpro.com
905.428.9062