EQUINOX

MicroPar RGBW

User Manual

Order code: EQLED130

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

CAUTION!
TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

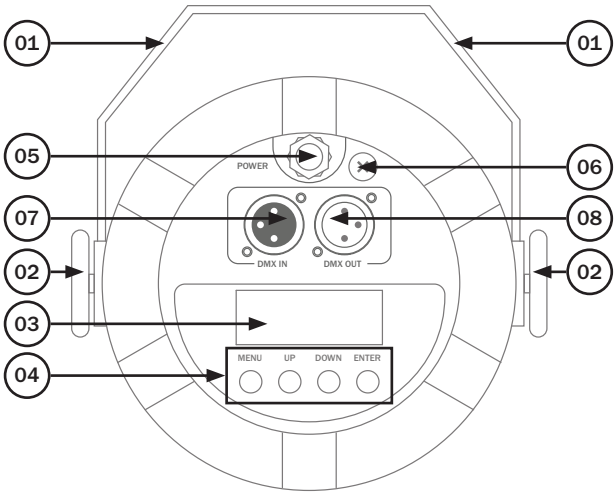
MicroPar RGBW

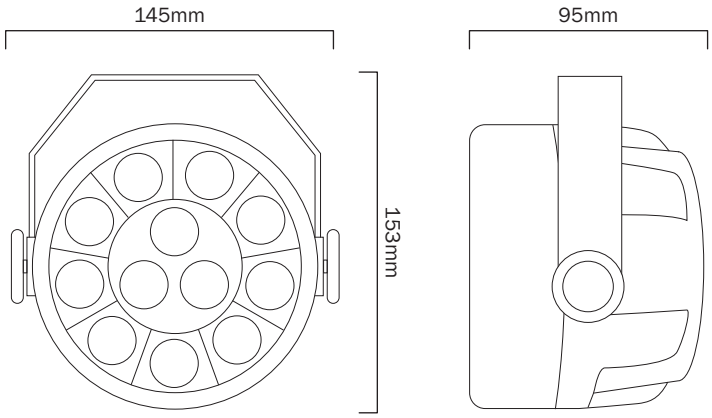
These extremely powerful fixtures feature 1W LEDs and produce a varied range of effects including colour change and fade effects controllable in auto and sound active modes along with DMX. A dual bracket is included allowing the fixture to be hung or stood on the floor.

MicroPar RGBW

- 12 x 1W LEDs (R: 3, G: 3, B: 3, W: 3)
- Beam angle: 25°
- 700 Lux @ 2m (full on)
- DMX channels: 8
- Auto, sound active and master/slave modes
- 0-100% dimming and variable strobe
- 4 push button menu with LED display
- Captive power connection
- 3-Pin XLR input/output
- Fan cooled

Specifications	
Power consumption	14W
Power supply	100~240V, 50/60Hz
Fuse	F3A 250V
Dimensions	153 x 145 x 95mm
Weight	0.5kg
Order codes	EQLED130





01 - Hanging bracket
02 - Hanging bracket adjustment knob
03 - LED display
04 - Function buttons
05 - Captive power connection
06 - Fuse: F3A 250V
07 - 3-Pin XLR DMX input
08 - 3-Pin XLR DMX output

In the box: **1 x fixture & 1 x user manual**

Master/Slave:

To master/slave the fixture firstly put the master unit into one of the program modes or manual colour mode. Now set the Slave mode into DMX mode. The slave will now follow the master.

Mode	Display			Function
	MENU	UP/DOWN	ENTER	
DMX Mode	d001	-	-	DMX Address
Preset Colours	A1.XX	A1.01-A1.18	-	18 Static Colours
Colour Change	A2.XX	A2.01-A2.32	-	Colour Change (32 speed settings)
Colour Fade	A3.XX	A3.01-A3.19	A3.01-A3.32	19 Colour Fade (32 speed settings)
Sound Control	A4.XX	A4.01-A4.19	A4.01-A4.04	Sound controlled colour effects
Colour Change with Strobe	A5.XX	A5.01-A5.19	A5.01-A5.32	19 Coloured Strobe Effects (32 speed settings)
Colour Change and Fade	A6.01	-	-	Colour change and fade
Pulsing Colour Change	A7.XX	A7.01-A7.19	A7.01-A7.32	19 Pulse Effects (32 speed settings)
Red	r000	000-255	-	Red Dimmer (0-100%)
Green	g000	000-255	-	Green Dimmer (0-100%)
Blue	b000	000-255	-	Blue Dimmer (0-100%)
White	u000	000-255	-	White Dimmer (0-100%)

8 channel mode:

Channel	Value	Function
1	000-010	No Function
	011-050	Static Colour (selected from channel 2)
	051-100	Colour Change (speed selected by channel 3)
	101-150	Colour Fade (speed selected by channel 3)
	151-200	No Function
	201-255	Colour Change with Strobe (speed selected by channel 3)
2	000-039	Full On
	040-049	Red
	050-059	Green
	060-069	Blue
	070-079	Yellow
	080-089	Cyan
	090-099	Magenta
	100-109	White
	110-119	Yellow
	120-129	Magenta
	130-139	Hot Pink
2 (cont.)	140-149	Cyan
	150-159	Mint Green
	160-169	Violet
	170-179	Salmon
	180-189	Bright Pink
	190-199	Light Blue
	200-209	Pastel Red
	210-219	Full On
3	000-255	Speed setting (slow-fast)
4	000-255	Master Dimmer (0-100%)
5	000-255	Red (0-100%)
6	000-255	Green (0-100%)
7	000-255	Blue (0-100%)
8	000-255	White (0-100%)

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to 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 fixture 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.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.

Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

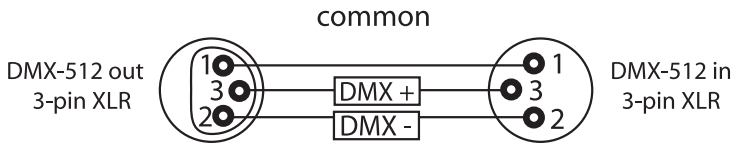
Please quote:

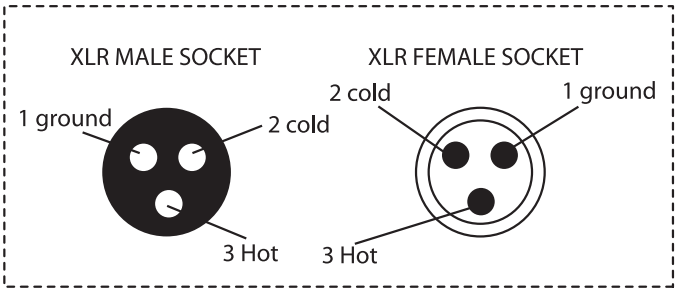
CABL10 – 2m
CABL11 – 5m
CABL12 – 10m

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.





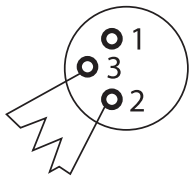
XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

Special note:

Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

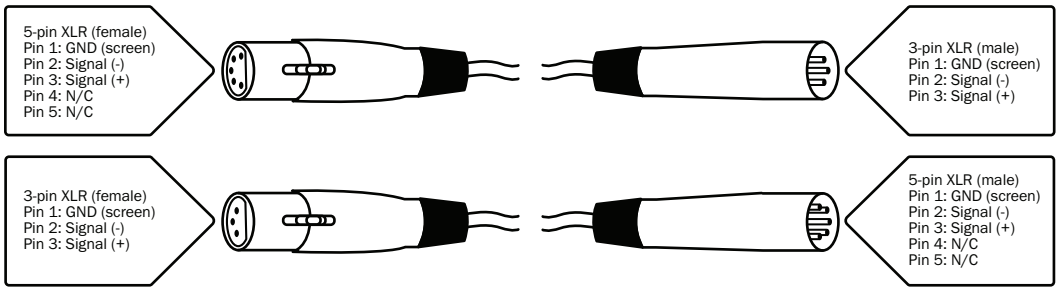
Using a cable terminator will decrease the possibilities of erratic behaviour.
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Correct Disposal of this Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.