

EQUINOX

Radiance

User Manual



Order code: EQLED206

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.



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 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.
- Never touch the fixture during operation as it may be hot.
- 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 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.

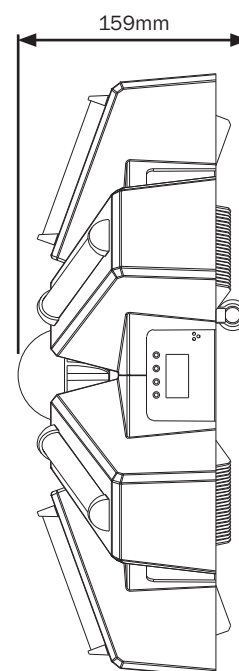
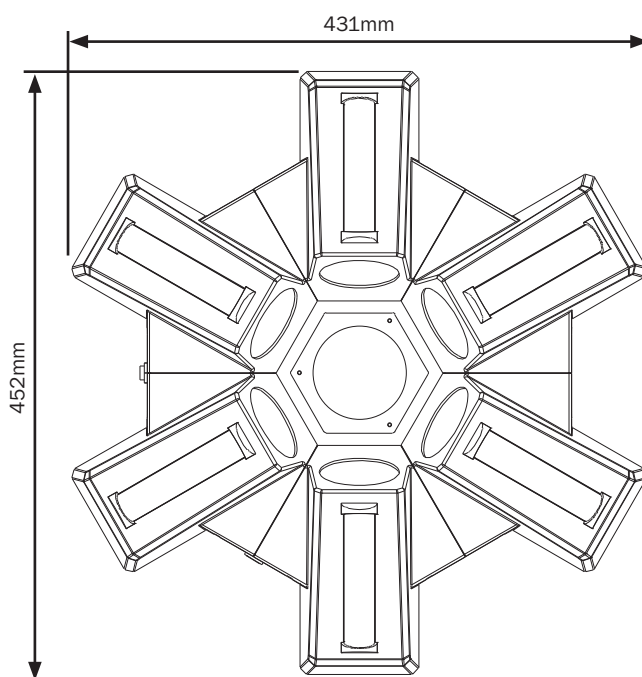
Please note: These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

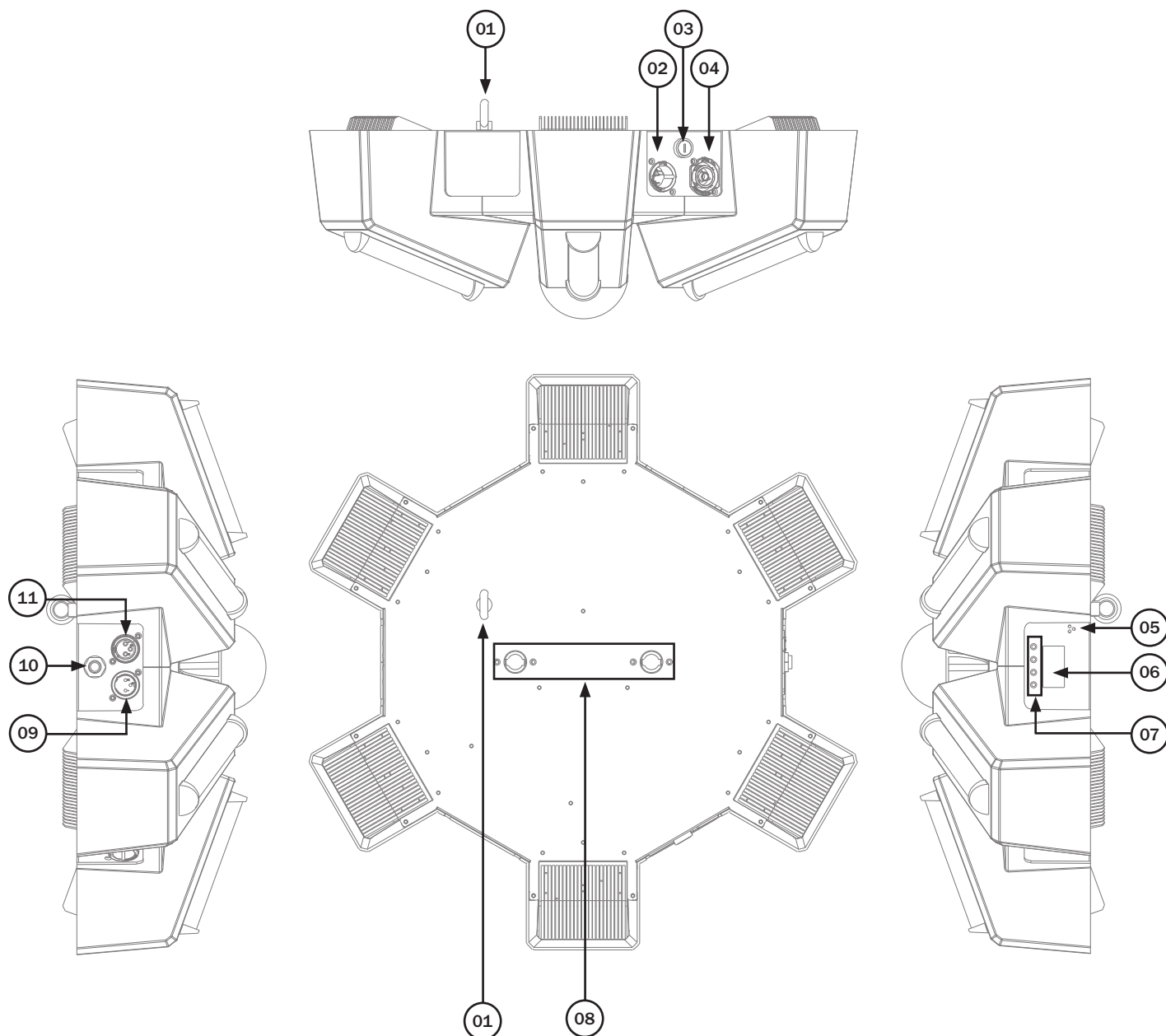
Radiance

This high output centrepiece features 6 x 40W quad-colour RGBW LEDs surrounding a 6.5cm half mirror ball to create a moonflower effect, producing an intense array of colours combined with pin sharp beams. Enhancing this spectacular effect, the unit boasts six LED arrays that create eye-candy pixel effects. Thanks to clever programming, the LEDs chase around the mirror ball while the rays perform a similar chase, generating a variety of mesmerizing effects. Versatile and user-friendly, the unit offers sound active, master/slave, and DMX modes, along with built-in programs selectable via the 4 button display. For added convenience, it can also be controlled using a CA 8 controller (sold separately).

- 6 x 40W quad-colour LEDs (RGBW)
- 60 x 0.3W tri-colour 5050 SMD LEDs (RGB)
- Coverage angle: 160°
- DMX channels: 2/9/29 or 33 selectable
- Auto, sound active and master/slave modes plus built-in programs
- 0 - 100% dimming
- Variable strobe
- Optional CA 8 controller
- Supplied with quick release omega clamp
- 4 button menu with OLED display
- PowerTwist TR1 input/output
- 3-Pin XLR input/output
- Convection cooled

Specifications	
Power consumption	138W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	159 x 452 x 431mm
Weight	4.8kg
Order code	EQLED206





01 - Safety eye
 02 - PowerTwist TR1 input
 03 - Fuse T3.15A 250V
 04 - PowerTwist TR1 output

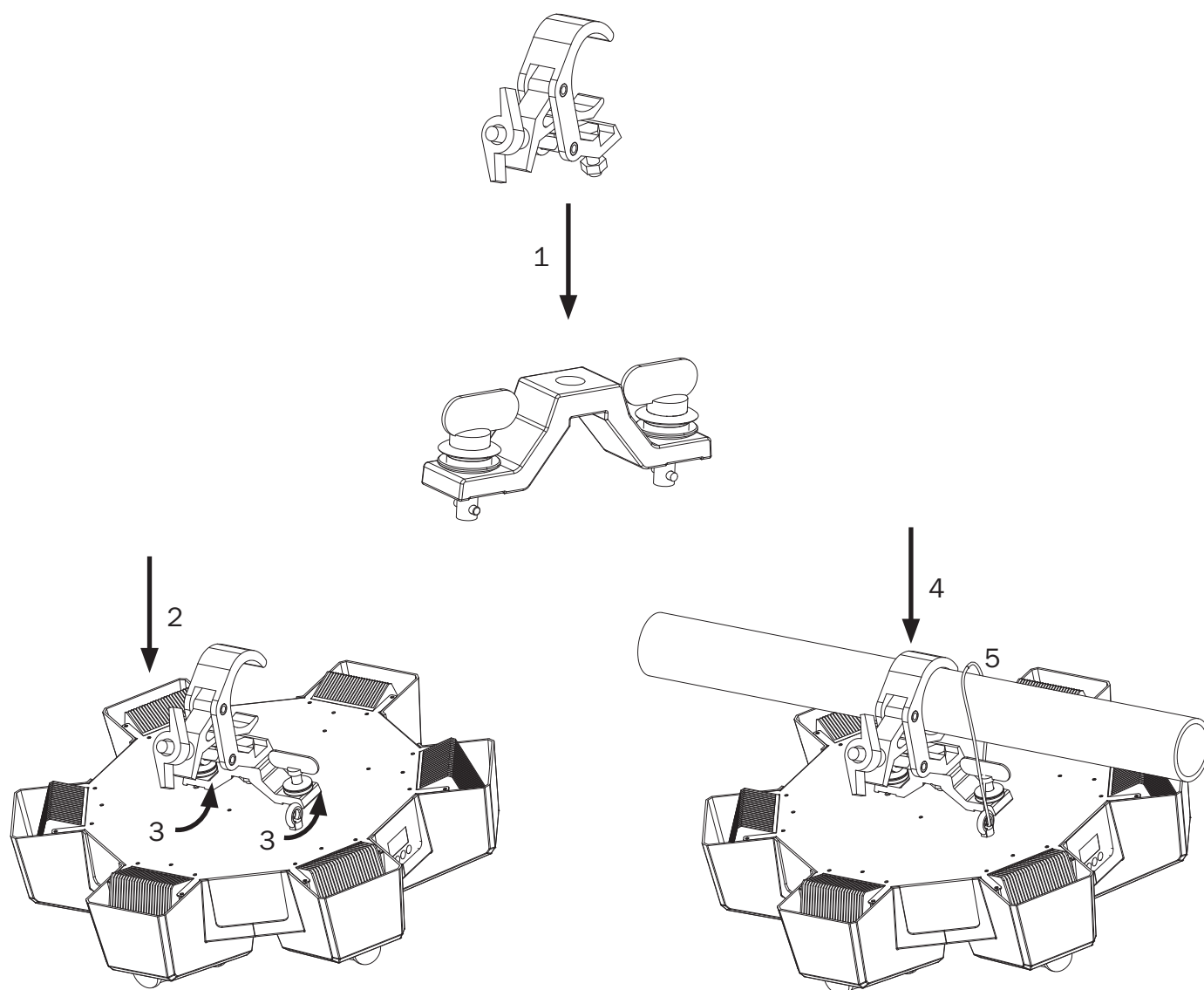
05 - Microphone
 06 - OLED Display
 07 - Function buttons
 08 - Omega clamp receivers

09 - 3-Pin DMX input
 10 - CA-8 Input
 11 - 3-Pin DMX output

In the box: **1 x fixture,**
1 x power cable &
1 x omega clamp

Installation:

1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.
2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bottom of the unit.
3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.
4. Mount the fixture onto your truss system via the clamps and tighten to ensure secure.
5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.



Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
DMX Functions	DMX Address	001-512		DMX Settings
	DMX Channel Mode	2CH (2 Channel Mode)		
		9CH (9 Channel Mode)		
		29CH (22 Channel Mode)		
		33CH (33 Channel Mode)		
	DMX Fail	Blackout		
		Last		
		Program		
Show Settings	Sound Settings	Sound	No	Sound Mode
			Yes	
		Sound Sense	0-100 (80)	Sound Sensitivity
	Show Chase	Show0		Show Mode
		Show1		
		Show2		
		Show3		
		Show4		
		Show5		
		Show6		
	Slave Mode	Master		Slave Settings
		Slave1		
		Slave2		
Manual Mode	Red	000-255		Manual Controls
	Green	000-255		
	Blue	000-255		
	White	000-255		
	Rotation	000-255		
	Dimmer	000-255		
	Strobe	000-255		
	Vibe Show	000-255		
	Vibe Speed	000-255	0-15 (OFF/ON) 16-255 (Show0-20)	
Display Settings	Display Inverse	No		Invert Display Orientation
		Yes		
	Backlight Auto Off	No		Display Backlight Settings
		Yes		
	Display Contrast	0-30 (10)		Display Contrast Settings
Fixture Information	Fixture Hour	xxx		Fixture Run Time
	Firmware Version	V xxx		Software Version
Special Functions	Factory Settings	No		Factory Default Settings
		Yes		

2 channel mode:

Channel	Value	Function
CH1	000	Blackout
	001-036	Show0
	037-073	Show1
	074-110	Show2
	111-146	Show3
	147-183	Show4
	184-220	Show5
	220-255	Show6
CH2	000-255	Speed (slow-fast)

9 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	No function
	032-063	Open
	064-095	Strobe (slow-fast)
	096-127	Open
	128-159	Pulse (slow-fast)
	160-191	Open
	192-223	Random strobe (slow-fast)
	224-255	Open
CH3	000-255	Red dimmer (0-100%)
CH4	000-255	Green dimmer (0-100%)
CH5	000-255	Blue dimmer (0-100%)
CH6	000-255	White dimmer (0-100%)
CH7	000-015	No function
	016-134	Mirror rotation clockwise (fast-slow)
	135-255	Mirror rotation Anti-clockwise (slow-fast)
CH8	000-015	No function
	016-027	Show 1
	028-039	Show 2
	040-051	Show 3
	052-063	Show 4
	064-075	Show 5
	076-087	Show 6
	088-099	Show 7
	100-111	Show 8
	112-123	Show 9
	124-135	Show 10
	136-147	Show 11
	148-159	Show 12
	160-171	Show 13
	172-183	Show 14
	184-195	Show 15
	196-207	Show 16
	208-219	Show 17
	220-231	Show 18
	232-243	Show 19
	244-255	Show 20
CH9	000-255	Speed (slow-fast)

29 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	Blackout
	032-063	Open
	064-095	Strobe (slow-fast)
	096-127	Open
	128-159	Pulse (slow-fast)
	160-191	Open
	192-223	Random strobe (slow-fast)
	224-255	Open
CH3	000-255	Red 1 dimmer (0-100%)
CH4	000-255	Green 1 dimmer (0-100%)
CH5	000-255	Blue 1 dimmer (0-100%)
CH6	000-255	White 1 dimmer (0-100%)
CH7	000-255	Red 2 dimmer (0-100%)
CH8	000-255	Green 2 dimmer (0-100%)
CH9	000-255	Blue 2 dimmer (0-100%)
CH10	000-255	White 2 dimmer (0-100%)
CH11	000-255	Red 3 dimmer (0-100%)
CH12	000-255	Green 3 dimmer (0-100%)
CH13	000-255	Blue 3 dimmer (0-100%)
CH14	000-255	White 3 dimmer (0-100%)
CH15	000-255	Red 4 dimmer (0-100%)
CH16	000-255	Green 4 dimmer (0-100%)
CH17	000-255	Blue 4 dimmer (0-100%)
CH18	000-255	White 4 dimmer (0-100%)
CH19	000-255	Red 5 dimmer (0-100%)
CH20	000-255	Green 5 dimmer (0-100%)
CH21	000-255	Blue 5 dimmer (0-100%)
CH22	000-255	White 5 dimmer (0-100%)
CH23	000-255	Red 6 dimmer (0-100%)
CH24	000-255	Green 6 dimmer (0-100%)
CH25	000-255	Blue 6 dimmer (0-100%)
CH26	000-255	White 6 dimmer (0-100%)

CH27	000-015	No function
	016-134	Mirror rotation clockwise (fast-slow)
	135-255	Mirror rotation Anti-clockwise (slow-fast)
CH28	000-015	No function
	016-027	Show 1
	028-039	Show 2
	040-051	Show 3
	052-063	Show 4
	064-075	Show 5
	076-087	Show 6
	088-099	Show 7
	100-111	Show 8
	112-123	Show 9
	124-135	Show 10
	136-147	Show 11
	148-159	Show 12
	160-171	Show 13
	172-183	Show 14
	184-195	Show 15
	196-207	Show 16
	208-219	Show 17
	220-231	Show 18
	232-243	Show 19
	244-255	Show 20
CH29	000-255	Speed (slow-fast)

33 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	Blackout
	032-063	Open
	064-095	Strobe (slow-fast)
	096-127	Open
	128-159	Pulse (slow-fast)
	160-191	Open
	192-223	Random strobe (slow-fast)
	224-255	Open
CH3	000-255	Red 1 dimmer (0-100%)
CH4	000-255	Green 1 dimmer (0-100%)
CH5	000-255	Blue 1 dimmer (0-100%)
CH6	000-255	White 1 dimmer (0-100%)
CH7	000-015	No function
	016-076	Vibe 1 Red
	077-137	Vibe 1 Green
	138-197	Vibe 1 Blue
	198-255	Vibe 1 RGB
CH8	000-255	Red 2 dimmer (0-100%)
CH9	000-255	Green 2 dimmer (0-100%)
CH10	000-255	Blue 2 dimmer (0-100%)
CH11	000-255	White 2 dimmer (0-100%)
CH12	000-015	No function
	016-076	Vibe 2 Red
	077-137	Vibe 2 Green
	138-197	Vibe 2 Blue
	198-255	Vibe 2 RGB
CH13	000-255	Red 3 dimmer (0-100%)
CH14	000-255	Green 3 dimmer (0-100%)
CH15	000-255	Blue 3 dimmer (0-100%)
CH16	000-255	White 3 dimmer (0-100%)
CH17	000-015	No function
	016-076	Vibe 3 Red
	077-137	Vibe 3 Green
	138-197	Vibe 3 Blue
	198-255	Vibe 3 RGB
CH18	000-255	Red 4 dimmer (0-100%)
CH19	000-255	Green 4 dimmer (0-100%)
CH20	000-255	Blue 4 dimmer (0-100%)
CH21	000-255	White 4 dimmer (0-100%)

CH22	000-015	No function
	016-076	Vibe 4 Red
	077-137	Vibe 4 Green
	138-197	Vibe 4 Blue
	198-255	Vibe 4 RGB
CH23	000-255	Red 5 dimmer (0-100%)
CH24	000-255	Green 5 dimmer (0-100%)
CH25	000-255	Blue 5 dimmer (0-100%)
CH26	000-255	White 5 dimmer (0-100%)
CH27	000-015	No function
	016-076	Vibe 5 Red
	077-137	Vibe 5 Green
	138-197	Vibe 5 Blue
	198-255	Vibe 5 RGB
CH28	000-255	Red 6 dimmer (0-100%)
CH29	000-255	Green 6 dimmer (0-100%)
CH30	000-255	Blue 6 dimmer (0-100%)
CH31	000-255	White 6 dimmer (0-100%)
CH32	000-015	No function
	016-076	Vibe 6 Red
	077-137	Vibe 6 Green
	138-197	Vibe 6 Blue
	198-255	Vibe 6 RGB
CH33	000-015	No function
	016-134	Mirror rotation clockwise (fast-slow)
	135-255	Mirror rotation Anti-clockwise (slow-fast)

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 from 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 requires a standard 3-pin XLR connector for data input/output, see images below.



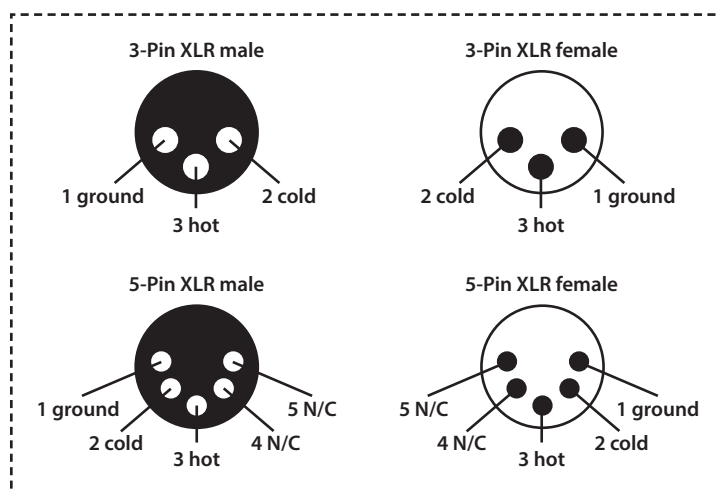
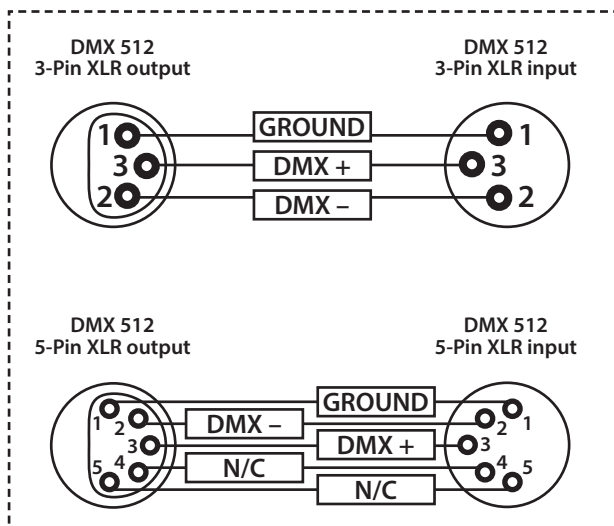
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
 Please quote: 3-Pin: **CABL10 – 2m** **CABL11 – 5m** **CABL12 – 10m**

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.

Pin Configuration	
3-Pin	5-Pin
	Pin 1 - Ground
	Pin 2 - Negative
	Pin 3 - Positive
-	Pin 4 - N/C
-	Pin 5 - N/C



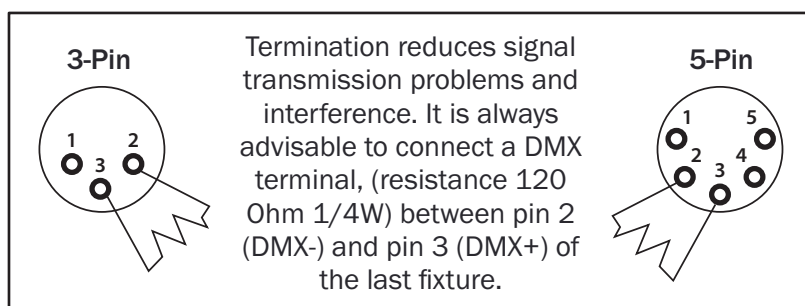
Line termination:

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.

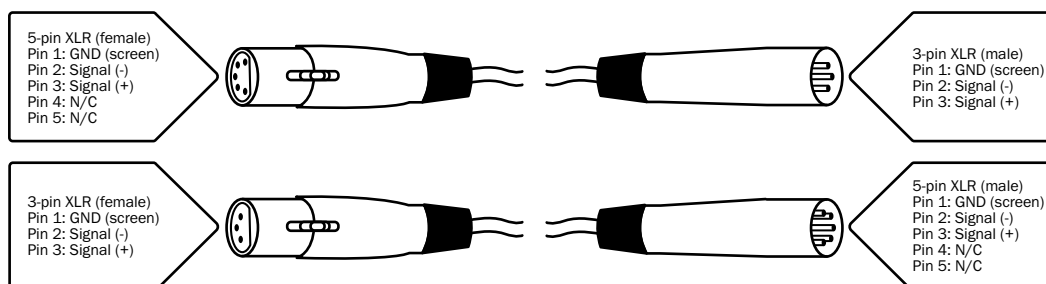
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

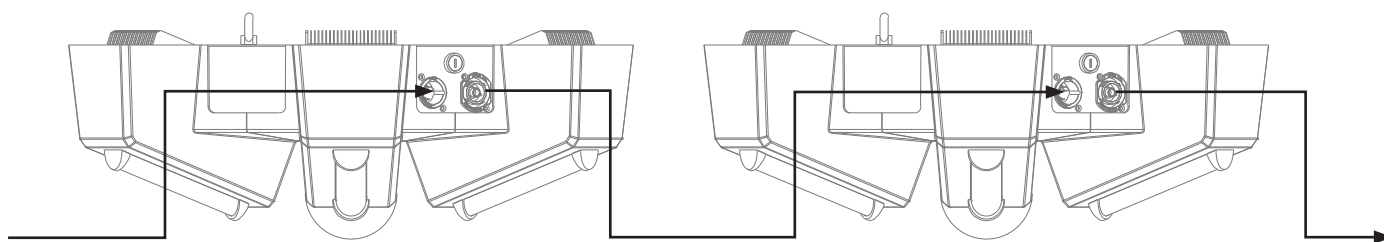
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Power linking:

This fixture provides power linking via the power output on the rear allowing multiple units to be connected together. The maximum number of fixtures that can be connected is 10 fixtures @ 240V or 5 fixtures @ 120V (including the first fixture). After the maximum number of fixtures are connected a new power run will need to be started.

Please note: Caution should be used when power linking other fixtures to the Radiance as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.





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.

