EQUINOX

Asteroid

User Manual

Order codes:

EQLED207 - Black Housing

EQLED207A - White Housing

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.

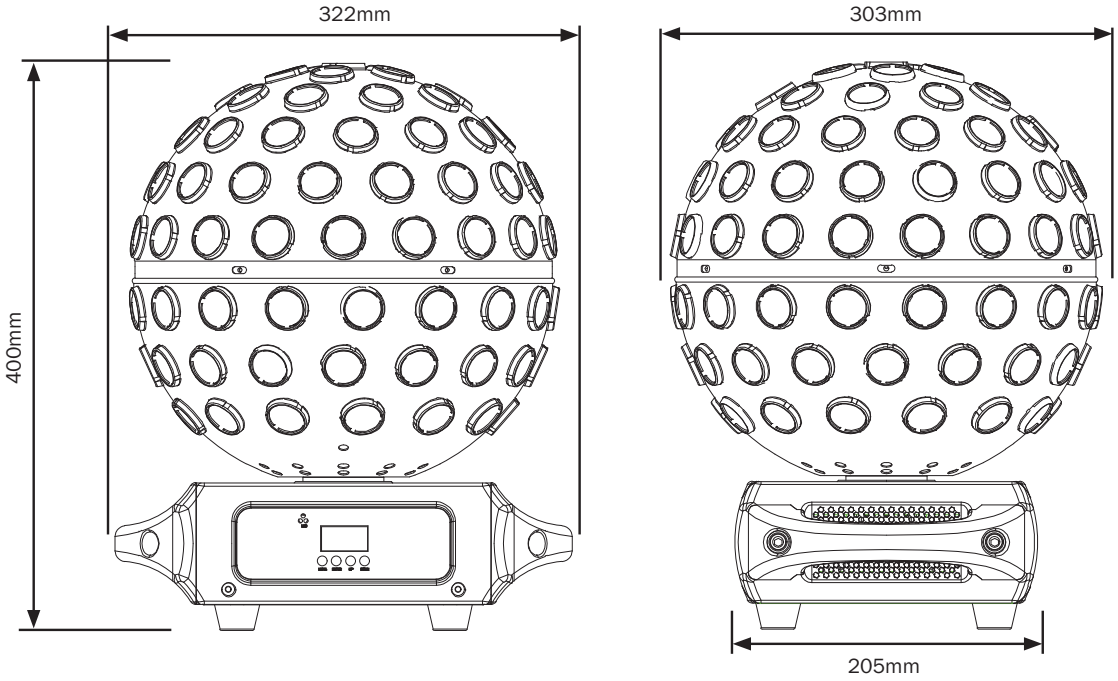
Please note: These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

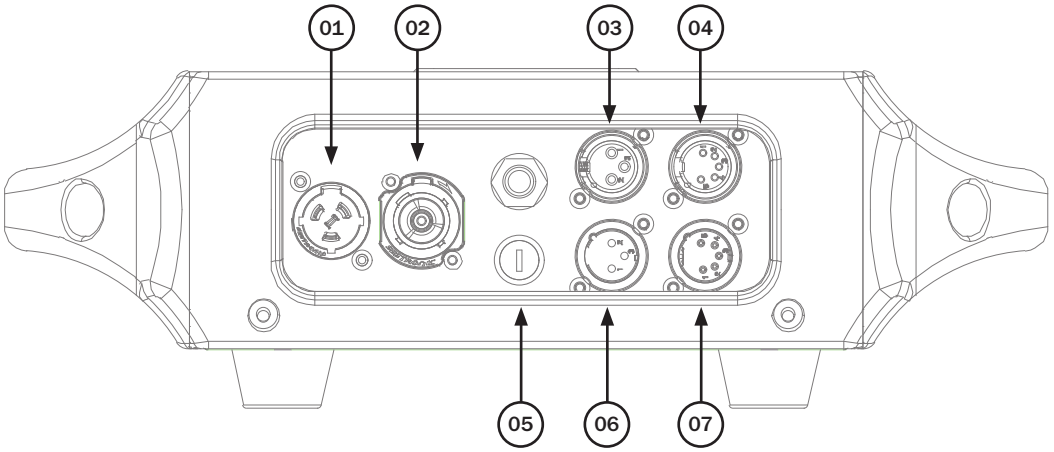
Asteroid

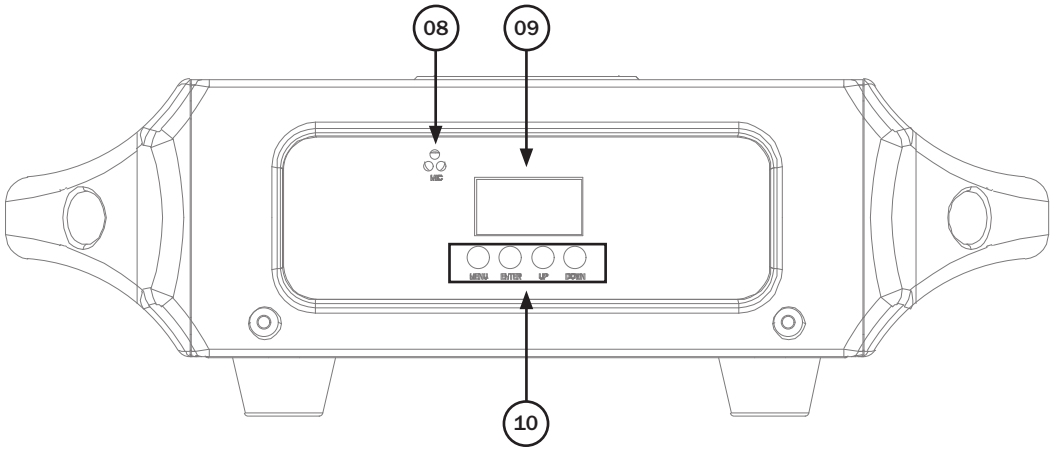
The Asteroid is a high output centrepiece featuring 5 x 40W quad-colour RGBW LEDs producing 98 pin sharp 2° beams. 5 section colour control allows for multiple colour combinations to be created and thanks to clever programming, the LEDs chase around the ball, generating a variety of multi-beam room filling effects. Versatile and user-friendly, the unit offers sound active, primary/secondary, 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).

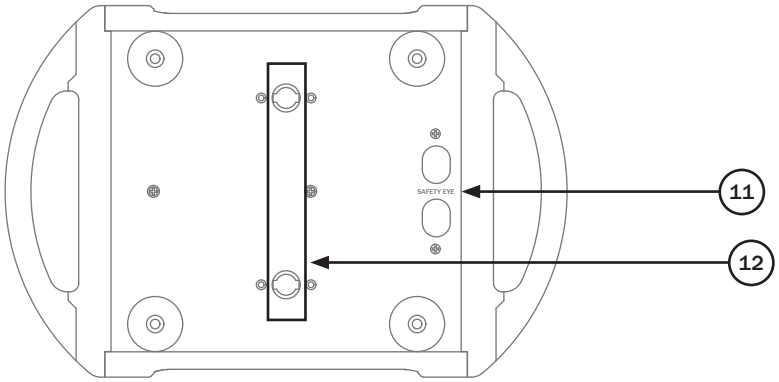
- 5 x 40W quad-colour LEDs (RGBW)
- 98 pin sharp 2° beams
- 5 section control producing multiple colour combinations
- Multi-beam room filling effect
- DMX channels: 4/7/15/23 or 31 selectable
- Auto, sound active and primary/secondary modes plus built-in programs
- 0 - 100% dimming
- Variable strobe
- Optional CA 8 controller
- Supplied with quick release omega clamp
- 4 button menu with OLED display
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- 3-Pin XLR input/output
- Fan cooled

Specifications	Asteroid
Power consumption	159W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	400 x 322 x 303mm
Weight	6.5kg
Order codes	EQLED207 - Black Housing EQLED207A - White Housing









01 - PowerTwist TR1 input
02 - PowerTwist TR1 output
03 - 3-Pin DMX output
04 - 5-Pin DMX output
05 - Fuse T3.15A 250V
06 - 3-Pin DMX input
07 - 5-Pin DMX input
08 - Microphone
09 - OLED Display
10 - Function buttons
11 - Safety eye
12 - Omega clamp receivers

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

Installation:

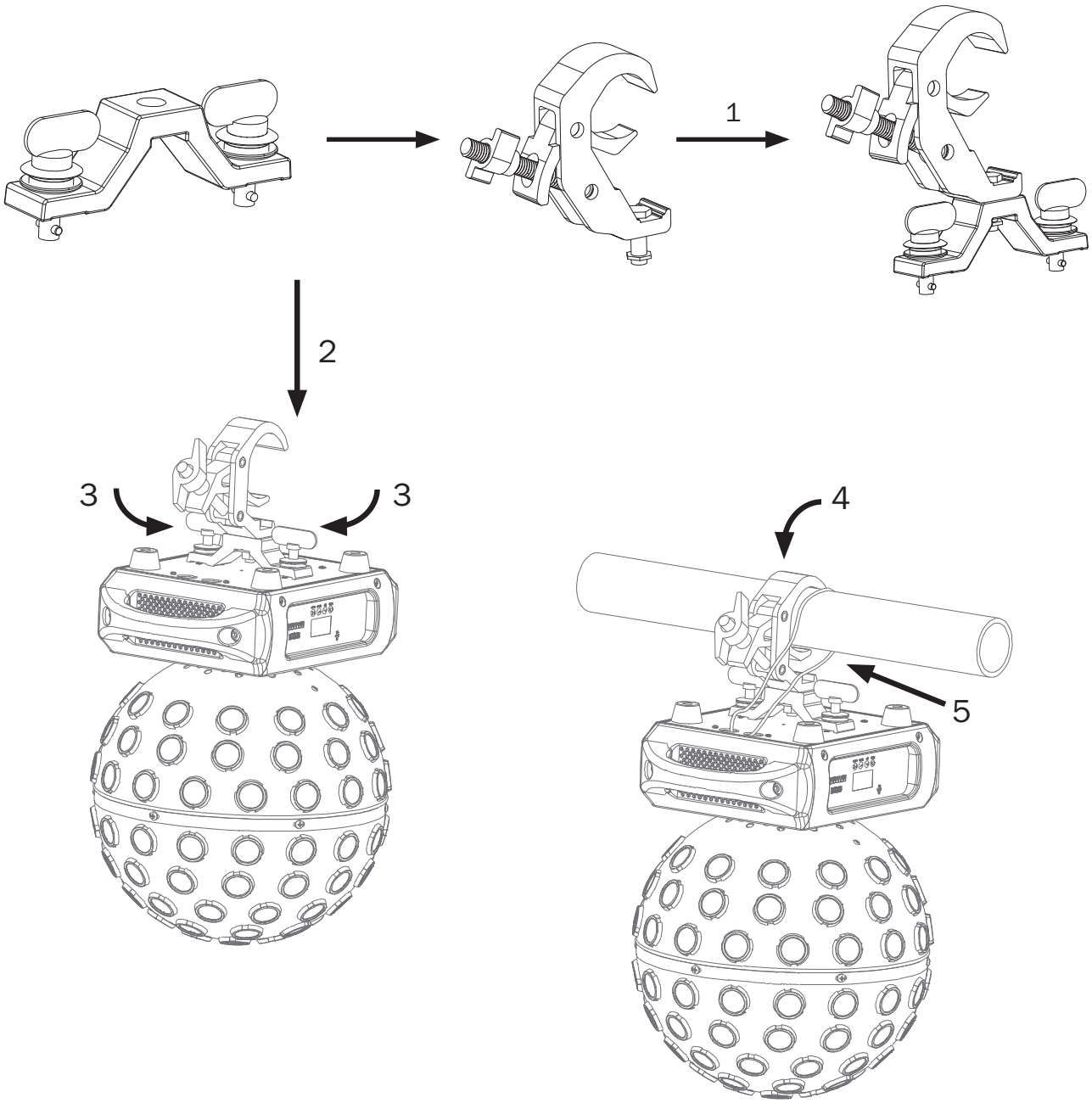
1. Fasten the clamp to the omega clamp with a bolt and lock nut through the hole in the omega clamp.

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	4 Channel		
		7 Channel		
		15 Channel		
		23 Channel		
		31 Channel		
	DMX Fail	Blackout		
		Last		
		Program		
Show Settings	Sound Settings	Sound	No	Sound Mode
			Yes	
		Sound Sense	000-100 (**80**)	Sound Sensitivity
	Show Chase	**Show0**		Show Mode
		Show1		
		Show2		
		Show3		
		Show4		
		Show5		
		Show6		
		Show7		
		Show8		
		Show9		
		Show10		
		Show11		
		Show12		
		Show13		
		Show14		
	Secondary Mode	Primary		Primary/Secondary Settings
		Secondary1		
		Secondary2		
Auto Test	Auto Test ...			Auto Test
Manual Mode	Red	**000**-255		Manual Control Mode
	Green	**000**-255		
	Blue	**000**-255		
	White	**000**-255		
	Rotation	**000**-255		
	Dimmer	**000**-255		
	Strobe	**000**-255		

Main Menu (cont.)	Sub Menu	Options/Values (Default Settings in BOLD)	Description
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	CPU-A V xxx B xxx	Software Version
Special Functions	Factory Settings	**No**	Factory Default Settings
		Yes	

4 channel mode:

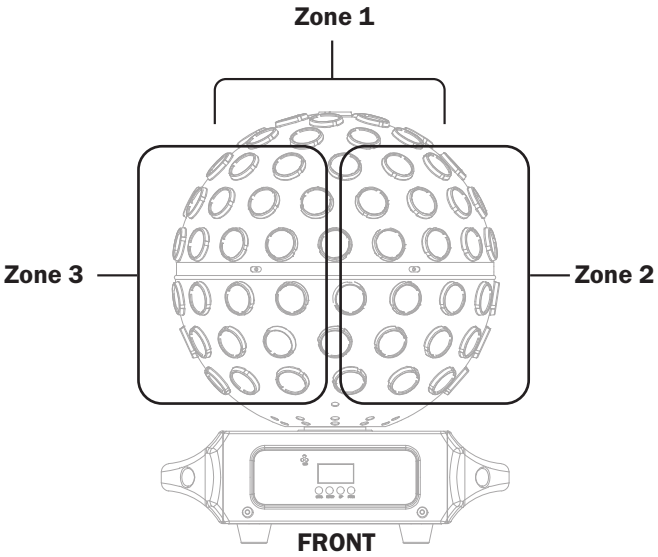
Channel	Value	Function
CH1	000	Blackout
	001-033	Show 0
	034-067	Show 1
	068-101	Show 2
	102-152	Show 3
	153-169	Show 4
	170-186	Show 5
	187-203	Show 6
	204-220	Show 7
	221-255	Show 8
CH2	000-255	Show speed (slow-fast)
CH3	000-015	No function
	016-134	Rotation anti-clockwise (fast-slow)
	135-255	Rotation clockwise (slow-fast)
CH4	000-015	No function
	016-255	Sound sensitivity (low-high)

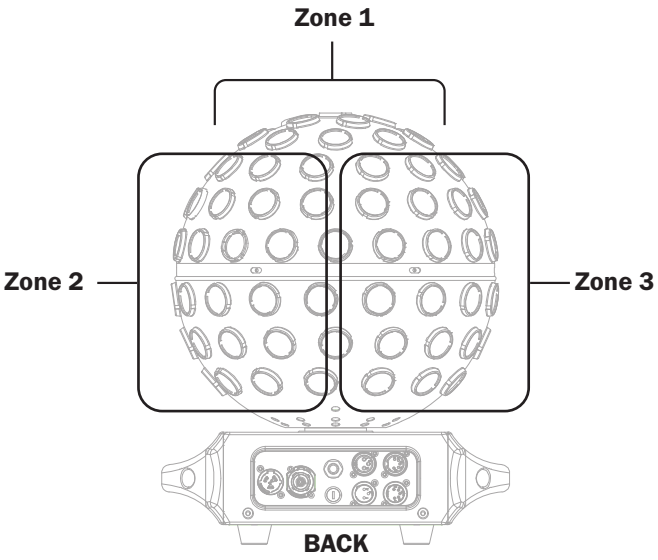
7 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	LED off
	032-063	LED on
	064-095	Strobe (slow-fast)
	096-127	LED on
	128-159	Pulse (slow-fast)
	160-191	LED on
	192-223	Random strobe (slow-fast)
	224-255	LED on
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	Rotation anti-clockwise (fast-slow)
	135-255	Rotation clockwise (slow-fast)

15 channel mode:

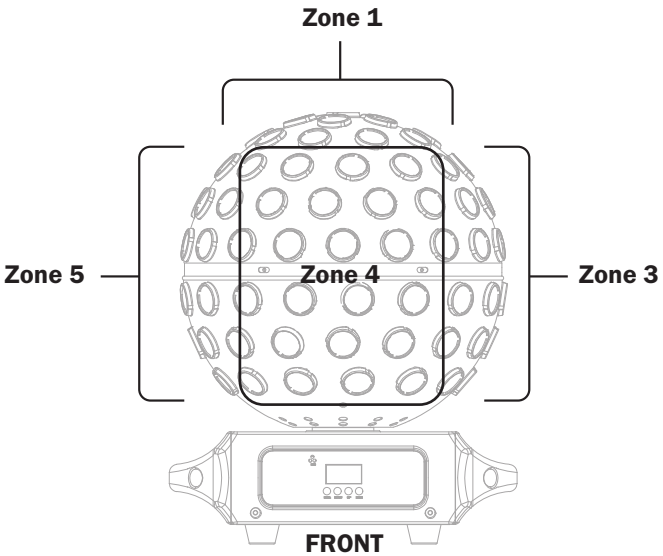
Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	LED off
	032-063	LED on
	064-095	Strobe (slow-fast)
	096-127	LED on
	128-159	Pulse (slow-fast)
	160-191	LED on
	192-223	Random strobe (slow-fast)
	224-255	LED on
CH3	000-255	Red 1 dimmer (0-100%)
CH4	000-255	Green 1 dimmer (0-100%)
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	000-015	No function
	016-134	Rotation anti-clockwise (fast-slow)
	135-255	Rotation clockwise (slow-fast)

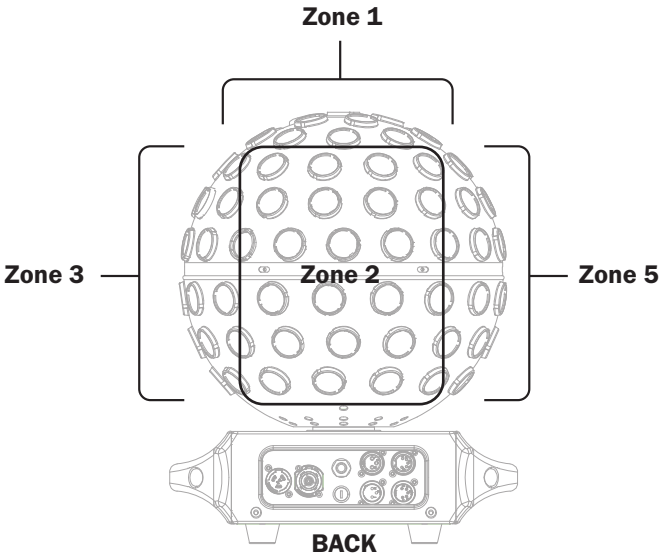




23 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-031	LED off
	032-063	LED on
	064-095	Strobe (slow-fast)
	096-127	LED on
	128-159	Pulse (slow-fast)
	160-191	LED on
	192-223	Random strobe (slow-fast)
	224-255	LED on
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	000-015	No function
	016-134	Rotation anti-clockwise (fast-slow)
	135-255	Rotation clockwise (slow-fast)





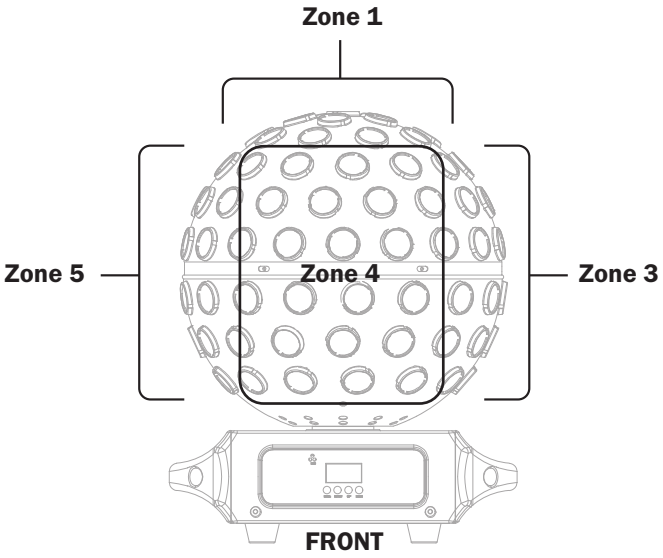
31 channel mode:

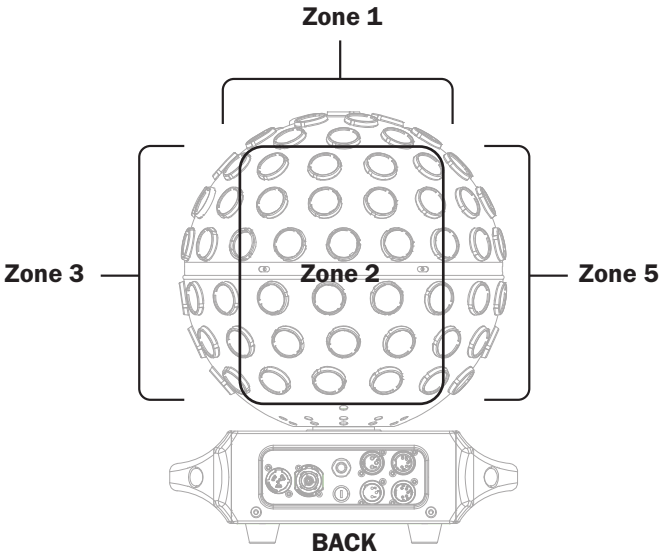
Channel	Value	Function	Section
CH1	000-255	Master dimmer (0-100%)	Section 1
CH2	000-031	LED off	
	032-063	LED on	
	064-095	Strobe (slow-fast)	
	096-127	LED on	
	128-159	Pulse (slow-fast)	
	160-191	LED on	
	192-223	Random strobe (slow-fast)	
	224-255	LED on	
CH3	000-255	Red dimmer (0-100%)	
CH4	000-255	Green dimmer (0-100%)	
CH5	000-255	Blue dimmer (0-100%)	
CH6	000-255	White dimmer (0-100%)	
CH7	000-255	Master dimmer (0-100%)	Section 2
CH8	000-031	LED off	
	032-063	LED on	
	064-095	Strobe (slow-fast)	
	096-127	LED on	
	128-159	Pulse (slow-fast)	
	160-191	LED on	
	192-223	Random strobe (slow-fast)	
	224-255	LED on	
CH9	000-255	Red dimmer (0-100%)	
CH10	000-255	Green dimmer (0-100%)	
CH11	000-255	Blue dimmer (0-100%)	
CH12	000-255	White dimmer (0-100%)	

Channel	Value	Function	Section
CH13	000-255	Master dimmer (0-100%)	Section 3
CH14	000-031	LED off	
	032-063	LED on	
	064-095	Strobe (slow-fast)	
	096-127	LED on	
	128-159	Pulse (slow-fast)	
	160-191	LED on	
	192-223	Random strobe (slow-fast)	
	224-255	LED on	
CH15	000-255	Red dimmer (0-100%)	
CH16	000-255	Green dimmer (0-100%)	
CH17	000-255	Blue dimmer (0-100%)	
CH18	000-255	White dimmer (0-100%)	
CH19	000-255	Master dimmer (0-100%)	Section 4
CH20	000-031	LED off	
	032-063	LED on	
	064-095	Strobe (slow-fast)	
	096-127	LED on	
	128-159	Pulse (slow-fast)	
	160-191	LED on	
	192-223	Random strobe (slow-fast)	
	224-255	LED on	
CH21	000-255	Red dimmer (0-100%)	
CH22	000-255	Green dimmer (0-100%)	
CH23	000-255	Blue dimmer (0-100%)	
CH24	000-255	White dimmer (0-100%)	

31 channel mode (cont.)

Channel	Value	Function	Section
CH25	000-255	Master dimmer (0-100%)	Section 5
CH26	000-031	LED off	
	032-063	LED on	
	064-095	Strobe (slow-fast)	
	096-127	LED on	
	128-159	Pulse (slow-fast)	
	160-191	LED on	
	192-223	Random strobe (slow-fast)	
	224-255	LED on	
CH27	000-255	Red dimmer (0-100%)	
CH28	000-255	Green dimmer (0-100%)	
CH29	000-255	Blue dimmer (0-100%)	
CH30	000-255	White dimmer (0-100%)	
CH31	000-015	No function	
	016-134	Rotation anti-clockwise (fast-slow)	
	135-255	Rotation clockwise (slow-fast)	





CA 8 function:

The unit has a CA 8 remote control input on the rear. This may be used with the CA 8 hand controller (sold separately) to control the unit. Please see functions below.

Blackout - By pressing the Stand By button the fixture will blackout.

Mode - Use this button to put the fixture into auto, show or motor speed modes.

Auto mode (Show 0) - LED off

Motor speed (1-9) - LED on

Show modes (Shows 1-14) - LED flashing

Function - Once you have chosen the mode you require use this button to set the motor speed or show mode.

Motor speed (1-9)

Show modes (Shows 1-14)

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 requires either a standard 3-pin or 5-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.

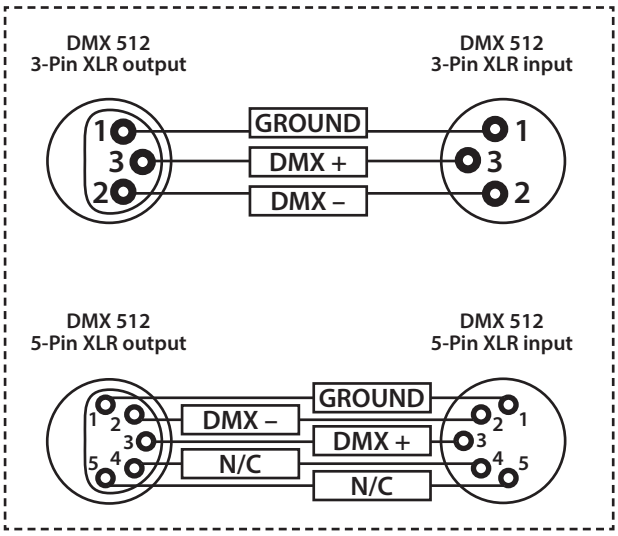
Please quote:	3-Pin:	**CABL10 – 2m**	**CABL11 – 5m**	**CABL12 – 10m**
	5-Pin:	**CABL185 – 2m**	**CABL187 – 5m**	**CABL188 – 10m**

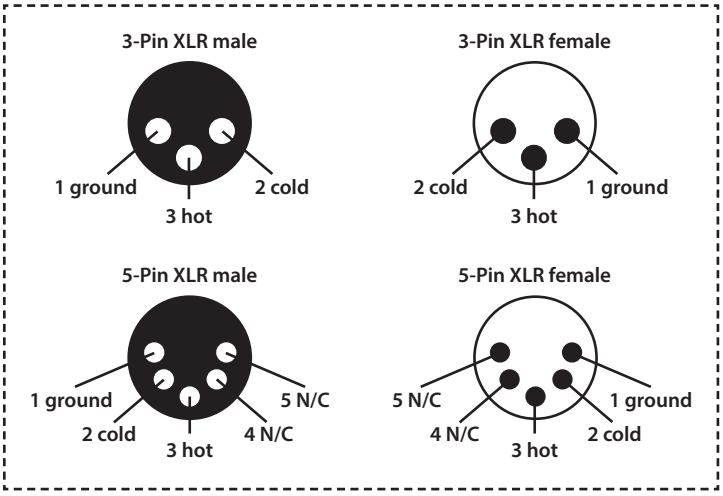
Also remember that DMX cable must be daisy chained and cannot be split.

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

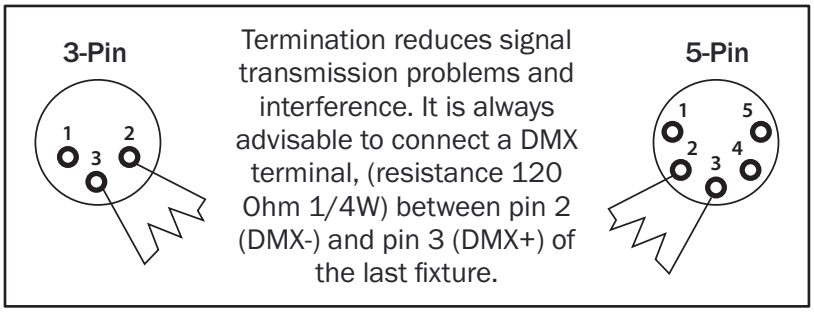




Line termination:

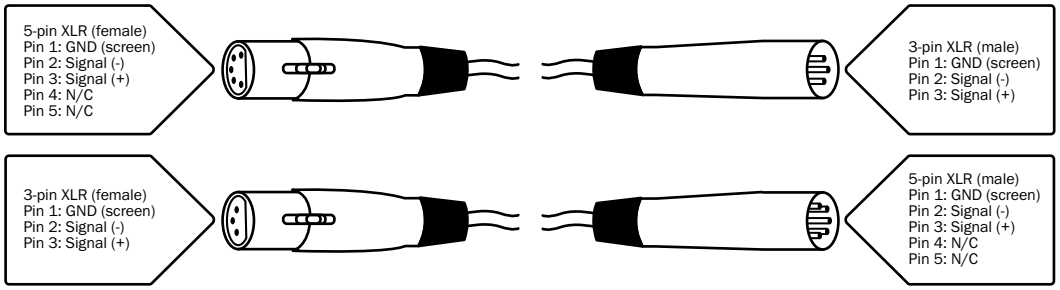
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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:

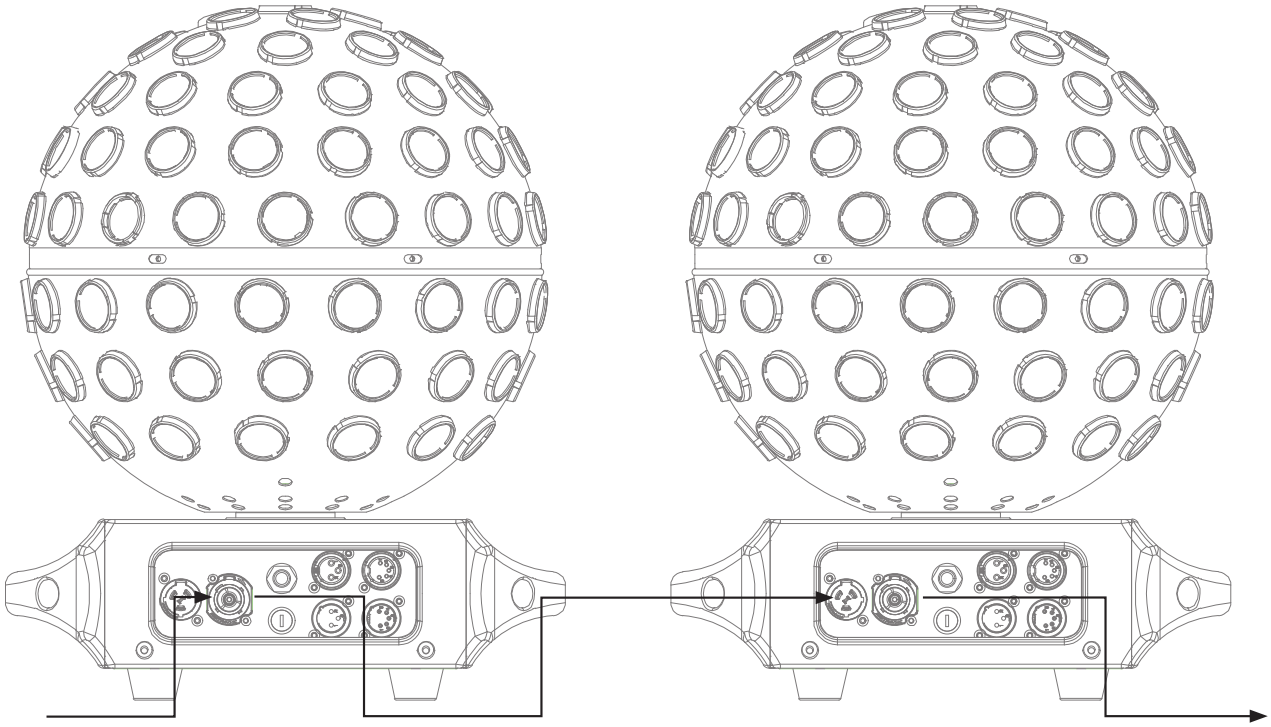
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 8 fixtures @ 240V or 4 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 Asteroid 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.