elumen8

Tour Batten IP

User Manual

Order code: ELUM125

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!
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.
- 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 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: Two years 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 READ THE BELOW CAREFULLY BEFORE USING THE FIXTURE IN OUTDOOR/EXTREME ENVIRONMENTS

IP Rating:

The IP (International Protection) rating classifies and rates the degree of protection provided against intrusion of foreign objects such as dust and water into housings and electrical enclosures.

The rating consists of the letters IP followed by two digits (i.e. IP65) where the numbers define the level of protection. The first digit (solids) stands for the level of protection the enclosure provides against solid bodies, whilst the second digit (liquids) stands for the degree of protection of the equipment inside the enclosure against water.
An IP65 rated fixture is one which has been designed and tested to protect from all ingress of dust (6) and water projected by low pressure jets (6.3mm) from any angle (5).

Marine/Coastal Installations:

Although this fixture has an IP rating it is NOT suitable for installation in a coastal/marine environment. Installing this fixture in a coastal/marine environment could cause corrosion and excessive wear to the internal and/or external components. Any damages, faults or performance issues resulting from the installation in one of the environments listed above will void the manufacturers warranty and will NOT be subject to any warranty claims, parts or repairs.

IMPORTANT INFORMATION!

If this fixture is installed in extreme outdoor and/or wet conditions, it MUST be powered ON and operated for a minimum of 30 minutes every 1-2 weeks. Excessive usage in extreme outdoor and/or wet conditions without a consistent usage cycle as described above can lead to component damage and/or a reduced fixture lifetime. Any damage to the fixture found to be a direct result of not following the above guidelines will void the manufacturers warranty and will NOT be subject to any warranty claims, parts or repairs.

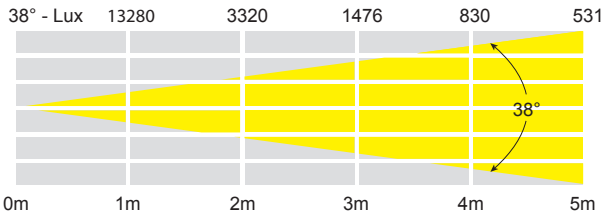
Please ENSURE all connections are sealed with the rubber caps if provided and the correct cables are used and connected correctly to prevent dust and/or water ingress, condensation and/or corrosion.

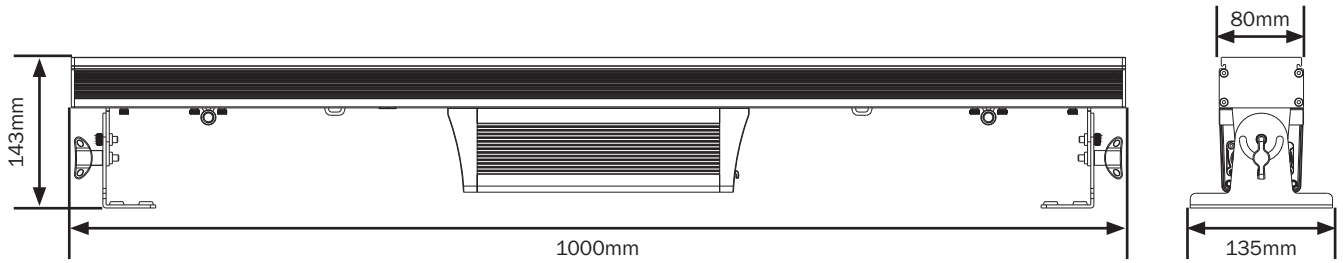
Tour Batten IP

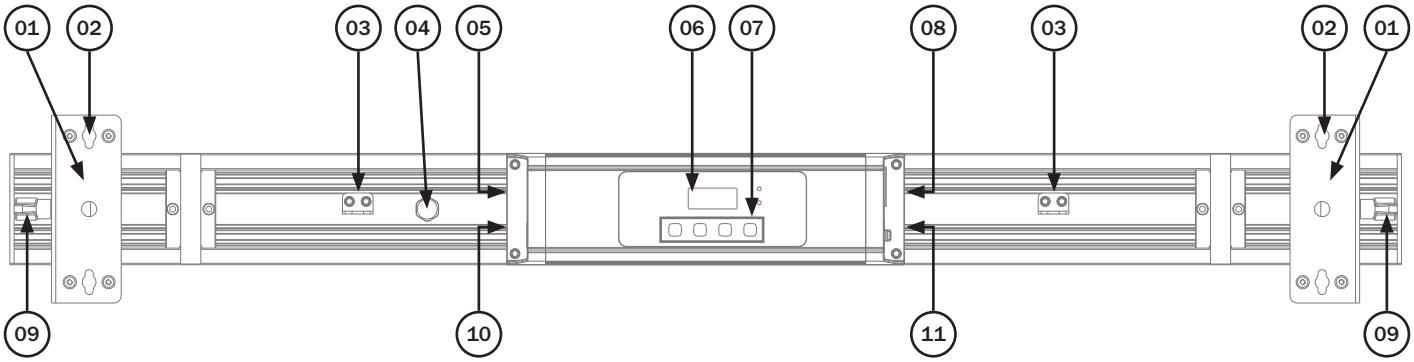
Inside the Tour Batten IP's rugged rental-ready IP65 housing are 10 x 10W tunable warm white LEDs which produce a variable colour temperature from a rich warm 1,600K up to a realistic halogen 2,900K tone. The temperature can be preset via the rear menu or DMX. When dimmed, the fixture can emulate a traditional halogen lamp with an orange glow similar to a sunstrip, with the colour temperature processing handled automatically via the battens CPU.

- 2 year warranty
- 10 x 10W tunable warm white LEDs (1,600K-2,900K)
- Beam angle: 38°
- 3,320 Lux @ 2m (full on)
- Halogen emulation with automatic colour temperature shift between 2,900K and 1,600K
- Substantial power saving over halogen lamps
- DMX channels: 8 bit - 1/2/5/10/15, 16 bit - 2/4/10/20/25
- Static, auto run and master/slave modes
- Built in macros with adjustable speed and fade times
- 8 or 16 bit 0 - 100% dimming
- Variable strobe
- RDM (Remote Device Management)
- Integral pivoting brackets complete with omega clamps allow for multiple rigging or floor standing applications
- 4 button menu with LCD display
- powerCON TRUE1 input/output
- IP rated 5-Pin XLR input/output
- Convection cooled

Specifications	Tour Batten IP
Power consumption	98W
Power supply	100~240V, 50/60Hz
IP rating	IP65
Dimensions (H x W x D)	143 x 1000 x 135mm
Weight	6.26kg
Order code	ELUM125





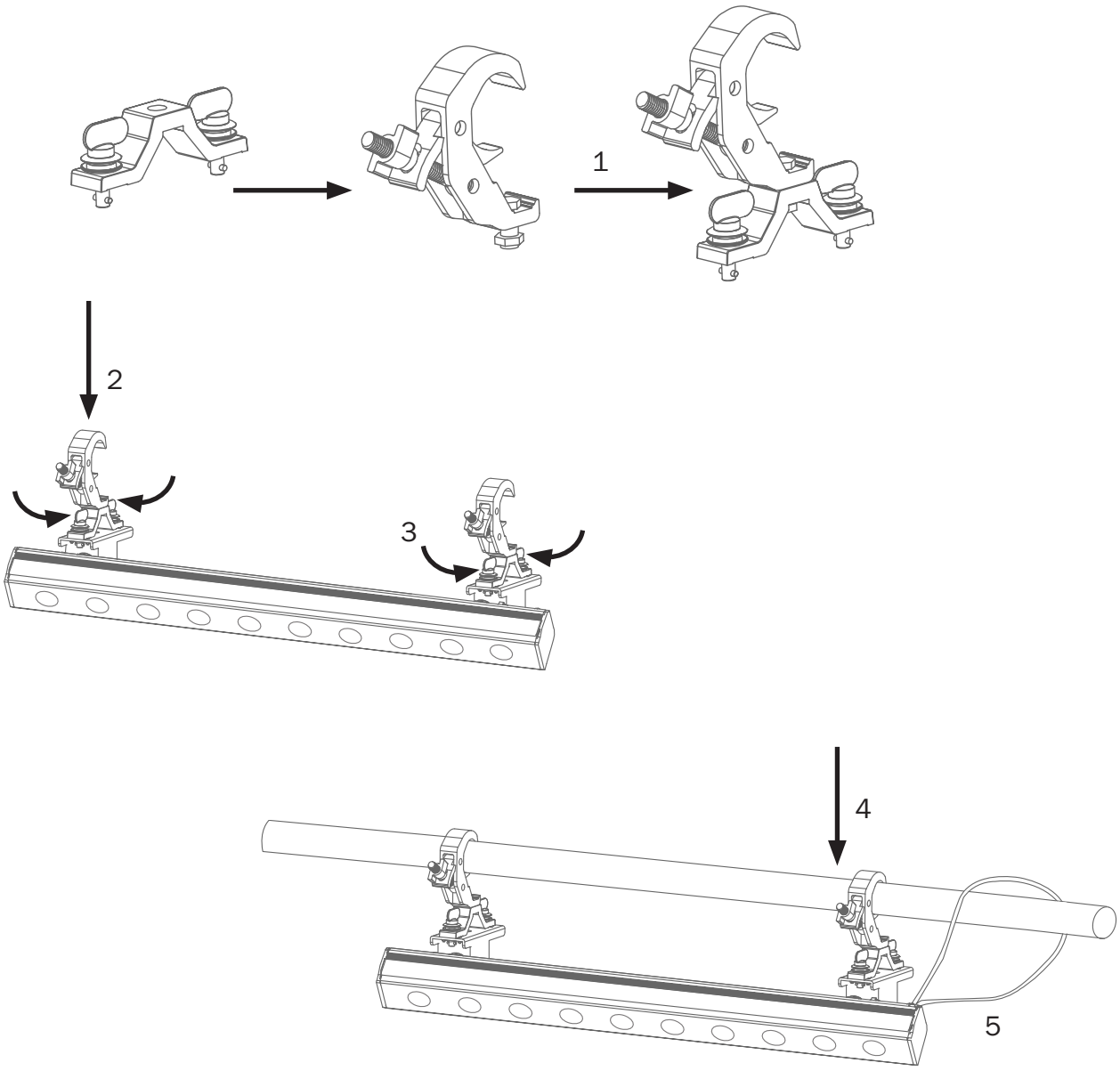


01 - Mounting brackets
02 - Omega clamp receivers
03 - Safety eye
04 - Pressure relief valve
05 - powerCON TRUE1 input
06 - IP rated 5-Pin XLR input
07 - LCD display
08 - Function buttons
09 - Bracket tightening knobs
10 - powerCON TRUE1 output
11 - IP rated 5-Pin XLR output

In the box: **1 x fixture, 2 x omega clamps, & 1 x power cable**

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 units feet.
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 rear of the fixture and around the truss.



IMPORTANT! PLEASE NOTE: The LCD display for this fixture has a menu locking function where after 30 seconds of inactivity it will lock. To unlock the menu hold down any button for 2 seconds.

Main Menu	Sub Menu	Options/Values		Description
DMX	Channel	01/8Bit	1 channel mode - 8 bit	DMX Channel Setting
		02/16Bit	2 channel mode - 16 bit	
		02/8Bit	2 channel mode - 8 bit	
		04/16Bit	4 channel mode - 16 bit	
		05/8Bit	5 channel mode - 8 bit	
		10/16Bit	10 channel mode - 16 bit	
		10/8Bit	10 channel mode - 8 bit	
		20/16Bit	20 channel mode - 16 bit	
		15/8Bit	15 channel mode - 8 bit	
		25/16Bit	25 channel mode - 16 bit	
	Address	001-512		DMX Address Setting
	No DMX	OFF		Functions when no DMX signal
		Hold		
		Program		
	Curve	Tungsten		Halogen Emulation Setting
		LED		
Chase	Program	01-16/Auto/Full		Program
	Master	000-100		Master dimmer
	Speed	01-100		Program Speed
	FadeTime	000-100		Program Fade

DMX mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX channel mode, press the "**MENU**" button on the front of the unit to show "**Address**" on the LCD display. Press the "**ENTER**" button to show "**Channel**" on the LCD display. Now use the "**UP**" and "**DOWN**" buttons to choose one of the channel modes; 1/2/5/10/15 - 8 bit, 2/4/10/20/25 - 16 bit (see chart on page 7).
Press the "**ENTER**" button to confirm the setting.

To access the DMX address mode, press the "**MENU**" button on the front of the unit to show "**Address**" on the LCD display. Now the "**UP**" and "**DOWN**" buttons to set the required DMX address. Press the "**ENTER**" button to confirm the setting.

To access the DMX bit setting, press the "**MENU**" button on the front of the unit to show "**Address**" on the LCD display. Press the "**ENTER**" button to show "**Glide**" on the LCD display. Now the "**UP**" and "**DOWN**" buttons to set the DMX fade "**ON**" or "**OFF**".
Press the "**ENTER**" button to confirm the setting.

To exit out of any of the above options, press the "**MENU**" button.

1 channel mode - 8 bit:

Channel	Value	Function
1	000-255	LEDs 1-10 dimmer (0-100%)

2 channel mode - 8 bit:

Channel	Value	Function
1	000-255	LEDs 1-5 dimmer (0-100%)
2	000-255	LEDs 6-10 dimmer (0-100%)

5 channel mode - 8 bit:

Channel	Value	Function
1	000-255	LEDs 1-2 dimmer (0-100%)
2	000-255	LEDs 3-4 dimmer (0-100%)
3	000-255	LEDs 5-6 dimmer (0-100%)
4	000-255	LEDs 7-8 dimmer (0-100%)
5	000-255	LEDs 9-10 dimmer (0-100%)

2 channel mode - 16 bit:

Channel	Value	Function
1 high 8 byte 2 low 8 byte	00000- 65535	LEDs 1-10 dimmer (0-100%)

4 channel mode - 16 bit:

Channel	Value	Function
1 high 8 byte 2 low 8 byte	00000- 65535	LEDs 1-5 dimmer (0-100%)
3 high 8 byte 4 low 8 byte	00000- 65535	LEDs 6-10 dimmer (0-100%)

10 channel mode - 16 bit:

Channel	Value	Function
1 high 8 byte 2 low 8 byte	00000- 65535	LEDs 1-2 dimmer (0-100%)
3 high 8 byte 4 low 8 byte	00000- 65535	LEDs 3-4 dimmer (0-100%)
5 high 8 byte 6 low 8 byte	00000- 65535	LEDs 5-6 dimmer (0-100%)
7 high 8 byte 8 low 8 byte	00000- 65535	LEDs 7-8 dimmer (0-100%)
9 high 8 byte 10 low 8 byte	00000- 65535	LEDs 9-10 dimmer (0-100%)

10 channel mode - 8 bit:

Channel	Value	Function
1	000-255	LED 1 dimmer (0-100%)
2	000-255	LED 2 dimmer (0-100%)
3	000-255	LED 3 dimmer (0-100%)
4	000-255	LED 4 dimmer (0-100%)
5	000-255	LED 5 dimmer (0-100%)
6	000-255	LED 6 dimmer (0-100%)
7	000-255	LED 7 dimmer (0-100%)
8	000-255	LED 8 dimmer (0-100%)
9	000-255	LED 9 dimmer (0-100%)
10	000-255	LED 10 dimmer (0-100%)

20 channel mode - 16 bit:

Channel	Value	Function
1 high 8 byte 2 low 8 byte	00000- 65535	LED 1 dimmer (0-100%)
3 high 8 byte 4 low 8 byte	00000- 65535	LED 2 dimmer (0-100%)
5 high 8 byte 6 low 8 byte	00000- 65535	LED 3 dimmer (0-100%)
7 high 8 byte 8 low 8 byte	00000- 65535	LED 4 dimmer (0-100%)
9 high 8 byte 10 low 8 byte	00000- 65535	LED 5 dimmer (0-100%)
11 high 8 byte 12 low 8 byte	00000- 65535	LED 6 dimmer (0-100%)
13 high 8 byte 14 low 8 byte	00000- 65535	LED 7 dimmer (0-100%)
15 high 8 byte 16 low 8 byte	00000- 65535	LED 8 dimmer (0-100%)
17 high 8 byte 18 low 8 byte	00000- 65535	LED 9 dimmer (0-100%)
19 high 8 byte 20 low 8 byte	00000- 65535	LED 10 dimmer (0-100%)

15 channel mode - 8 bit:

Channel	Value	Function	
1	000-255	LED 1 dimmer (0-100%)	
2	000-255	LED 2 dimmer (0-100%)	
3	000-255	LED 3 dimmer (0-100%)	
4	000-255	LED 4 dimmer (0-100%)	
5	000-255	LED 5 dimmer (0-100%)	
6	000-255	LED 6 dimmer (0-100%)	
7	000-255	LED 7 dimmer (0-100%)	
8	000-255	LED 8 dimmer (0-100%)	
9	000-255	LED 9 dimmer (0-100%)	
10	000-255	LED 10 dimmer (0-100%)	
11	000-007	No function	
	008-015	Full on	
	016-023	Program1	
	024-031	Program2	
	032-039	Program3	
	040-047	Program4	
	048-055	Program5	
	056-063	Program6	
	064-071	Program7	
	072-079	Program8	
	080-087	Program9	
	088-095	Program10	
	096-103	Program11	
	104-111	Program12	
	112-119	Program13	
	120-127	Program14	
	128-135	Program15	
	136-143	Program16	
	144-151	Auto	
	152-255	No function	
12	000-255	Speed (slow-fast)	
13	000-255	Fade time	
14	000-051	Stop	Program play modes
	052-127	Pause	
	128-191	Forward	
	192-255	Backward	
15	000-255	Program dimmer (0-100%)	

25 channel mode - 16 bit:

Channel	Value	Function
1 high 8 byte 2 low 8 byte	00000-65535	LED 1 dimmer (0-100%)
3 high 8 byte 4 low 8 byte	00000-65535	LED 2 dimmer (0-100%)
5 high 8 byte 6 low 8 byte	00000-65535	LED 3 dimmer (0-100%)
7 high 8 byte 8 low 8 byte	00000-65535	LED 4 dimmer (0-100%)
9 high 8 byte 10 low 8 byte	00000-65535	LED 5 dimmer (0-100%)
11 high 8 byte 12 low 8 byte	00000-65535	LED 6 dimmer (0-100%)
13 high 8 byte 14 low 8 byte	00000-65535	LED 7 dimmer (0-100%)
15 high 8 byte 16 low 8 byte	00000-65535	LED 8 dimmer (0-100%)
17 high 8 byte 18 low 8 byte	00000-65535	LED 9 dimmer (0-100%)
19 high 8 byte 20 low 8 byte	00000-65535	LED 10 dimmer (0-100%)
21	000-007	No function
	008-015	Full on
	016-023	Program1
	024-031	Program2
	032-039	Program3
	040-047	Program4
	048-055	Program5
	056-063	Program6
	064-071	Program7
	072-079	Program8
	080-087	Program9
	088-095	Program10
	096-103	Program11
	104-111	Program12
	112-119	Program13
	120-127	Program14
	128-135	Program15
	136-143	Program16
	144-151	Auto
	152-255	No function

25 channel mode - 16 bit (cont.):

Channel	Value	Function	
	152-255	No function	
22	000-255	Speed (slow-fast)	
23	000-255	Fade time	
24	000-051	Stop	Program play modes
	052-127	Pause	
	128-191	Forward	
	192-255	Backward	
25	000-255	Program dimmer (0-100%)	

Chase mode:

To access the chase mode, press the "**MENU**" button on the front of the unit to show "**Program**" on the LCD display. Now the "**UP**" and "**DOWN**" buttons to set the required program "**01**" - "**16**"/ "**Auto**"/ "**Full**". Press the "**ENTER**" button to confirm the setting.

"**Master**" should now be shown on the LCD display. Use the "**UP**" and "**DOWN**" buttons to set the chase modes dimming "**000**" - "**100**". Press the "**ENTER**" button to confirm the setting.
(000 = LED off, 100 = LED at full brightness).

"**Speed**" should now be shown on the LCD display. Use the "**UP**" and "**DOWN**" buttons to set the required speed "**01**" - "**100**". Press the "**ENTER**" button to confirm the setting.
(01 = slow, 100 = fast).

"**FadeTime**" should now be shown on the LCD display. Use the "**UP**" and "**DOWN**" buttons to set the required amount of fade "**000**" - "**100**". Press the "**ENTER**" button to confirm the setting.
(000 = no fade, 100 = full fade).

To exit out of any of the above options, press the "**MENU**" button.

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.

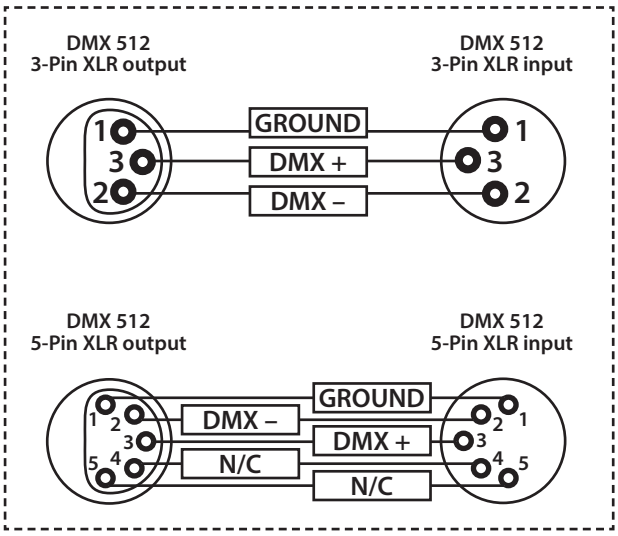
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
Please quote: 5-Pin: **CABL185 – 2m** **CABL187 – 5m** **CABL188 – 10m**

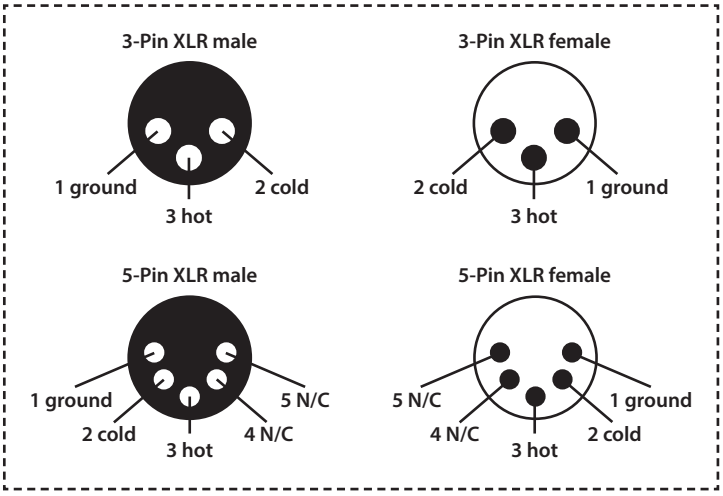
Also remember that DMX cable must be daisy chained and cannot be split.

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

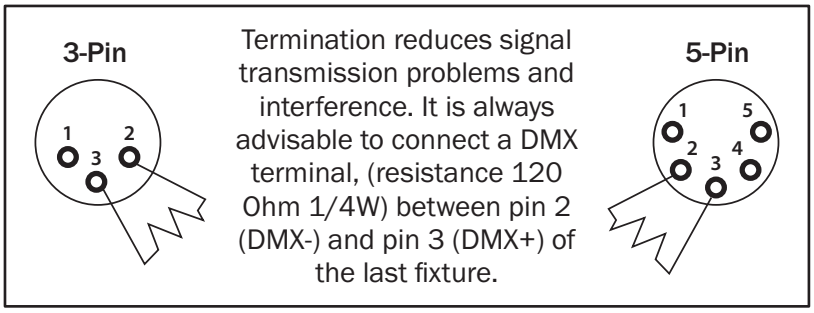




Line termination:

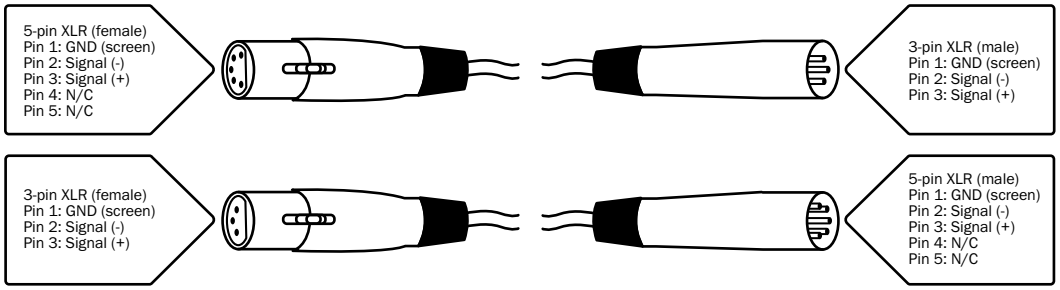
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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:

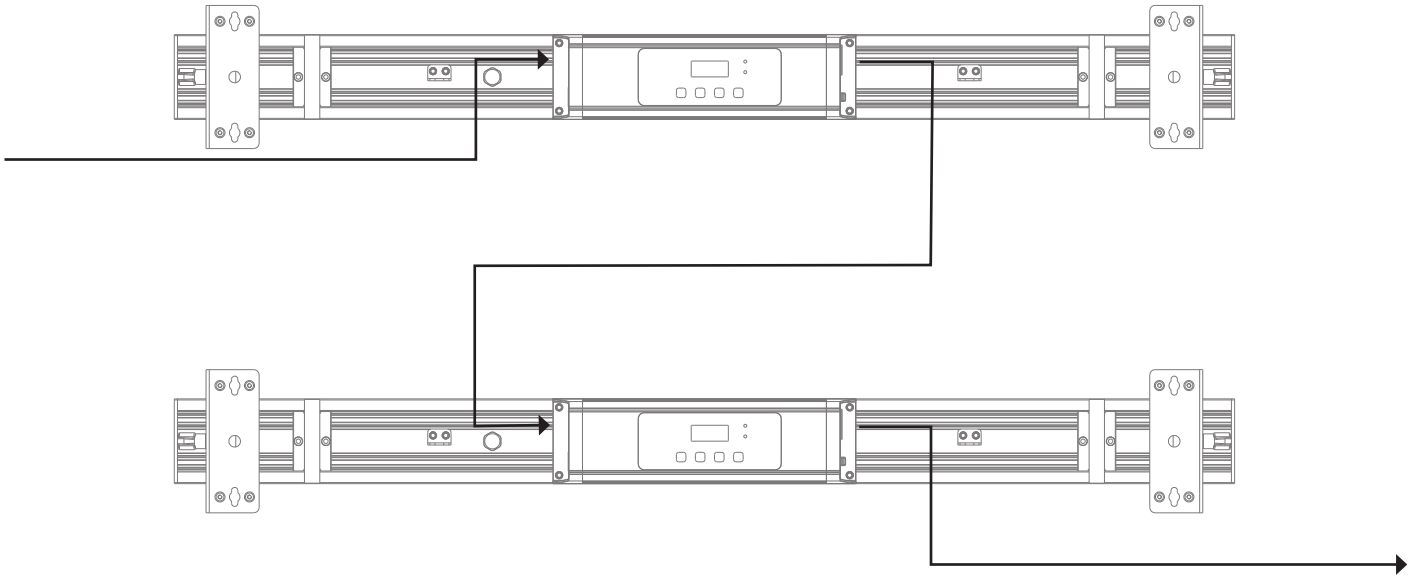
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 15 fixtures @ 240V or 7 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 Tour Batten IP 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.

CE