

LEDJ

Intense 9HEX10 PRO LED Slim Par

User Manual



Order code: LEDJ655

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.

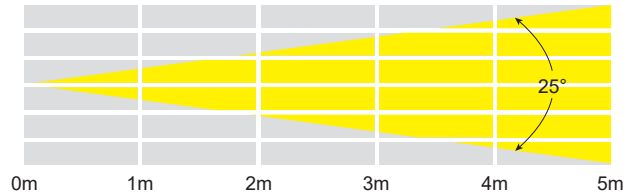
Intense 9HEX10 PRO LED Slim Par

Powered by 9 x 10W LEDs this HEX fixture provides a smooth wash of vibrant colour. Alongside the pastel shades and warm tones, the addition of UV means intense hues can be created. This super bright, robust, slimline par is suitable for a wide range of applications from uplighting medium venues to lighting stages for live performances. The convection cooled chassis ensures silent running and features mounting points for the optional barn door/gel frame kit (LEDJ253A). The LED display with 4 button menu facilitates control over colour mixing, colour fades, chases and DMX, whilst the quick release omega clamp, PowerTwist TR1 and 5-Pin DMX inputs and outputs to allow for a problem-free, rental-ready connection.

- 9 x 10W six-colour LEDs (RGBWAUV)
- Beam angle: 25° (field angle: 35°)
- 3,650 Lux @ 2m (full on)
- Refresh rate: 4kHz
- DMX channels: 2/3/3/4/4/5/6/8 or 10 selectable
- Static colour, colour change, colour fade, auto, sound active and master/slave modes
- 0 - 100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Supplied with quick release omega clamp
- 4 button menu with LED display
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- Convection cooled
- Optional barn door/gel frame kit (LEDJ253A)



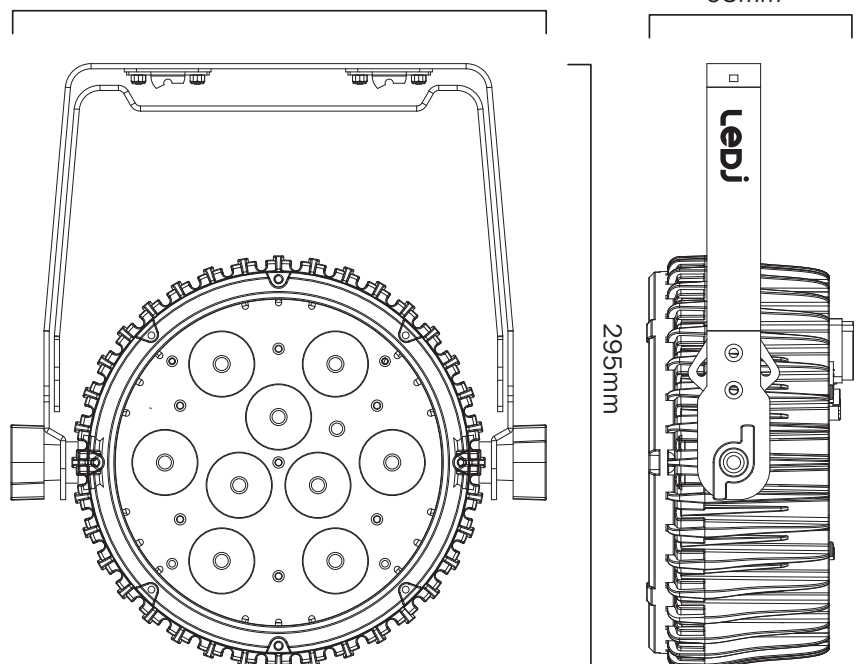
25° - Lux					
FULL ON	14600	3650	1622	913	584
R	2348	587	261	147	94
G	4696	1174	522	294	188
B	708	177	79	44	28
W	5804	1451	645	363	232
A	1964	491	218	123	79
UV	N/A	N/A	N/A	N/A	N/A

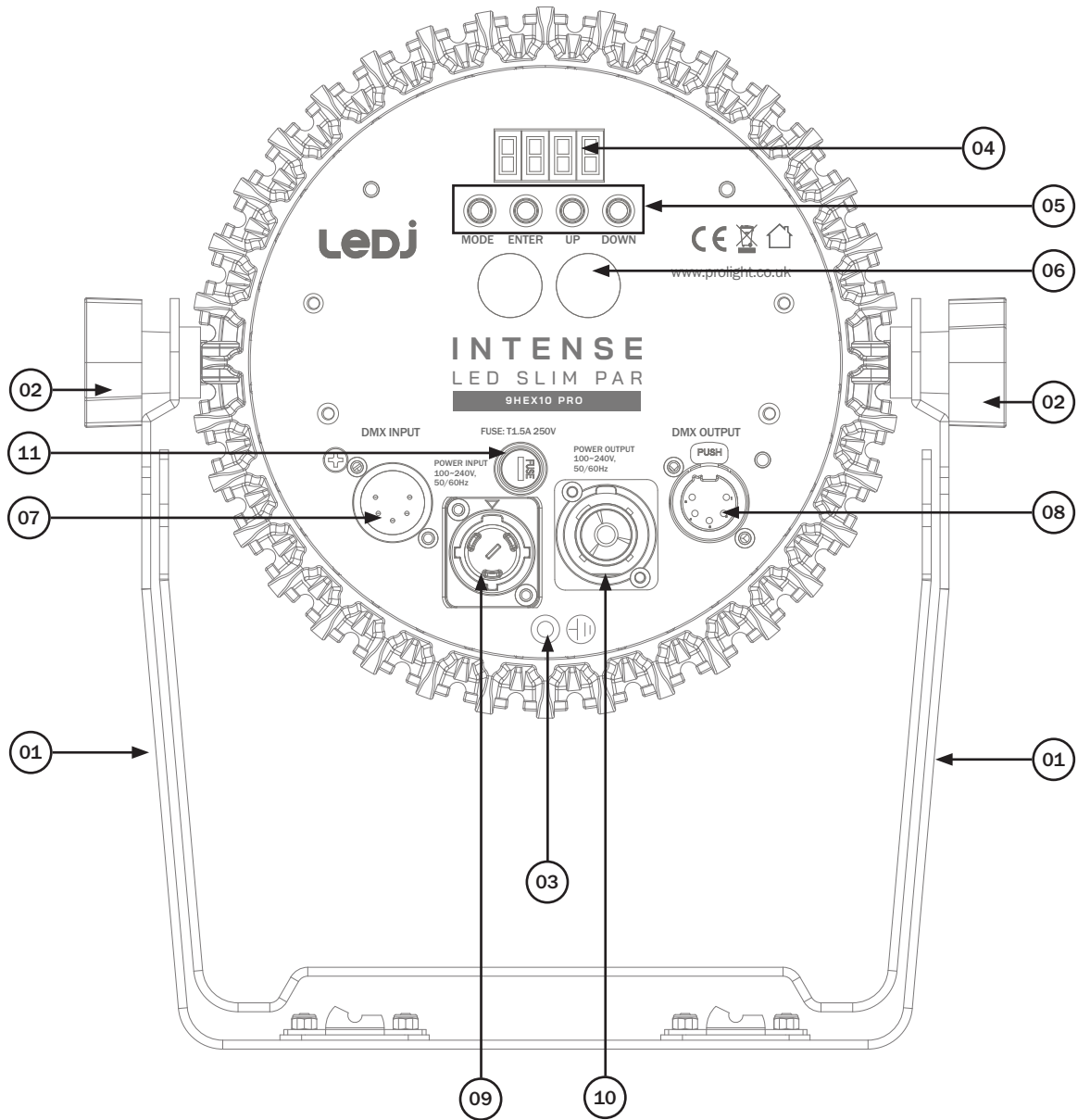


260mm

93mm

Specifications	Intense 9P10
Power consumption	98W
Power supply	100~240V, 50/60Hz
Fuse	T1.5A 250V
Dimensions	295 x 260 x 93mm
Weight	2.6kg
Order code	LEDJ655





01 - Bracket

02 - Bracket tightening knobs

03 - Earth point

04 - LED display

05 - Function buttons

06 - Safety bond point

07 - DMX input

08 - DMX output

09 - PowerTwist TR1 input

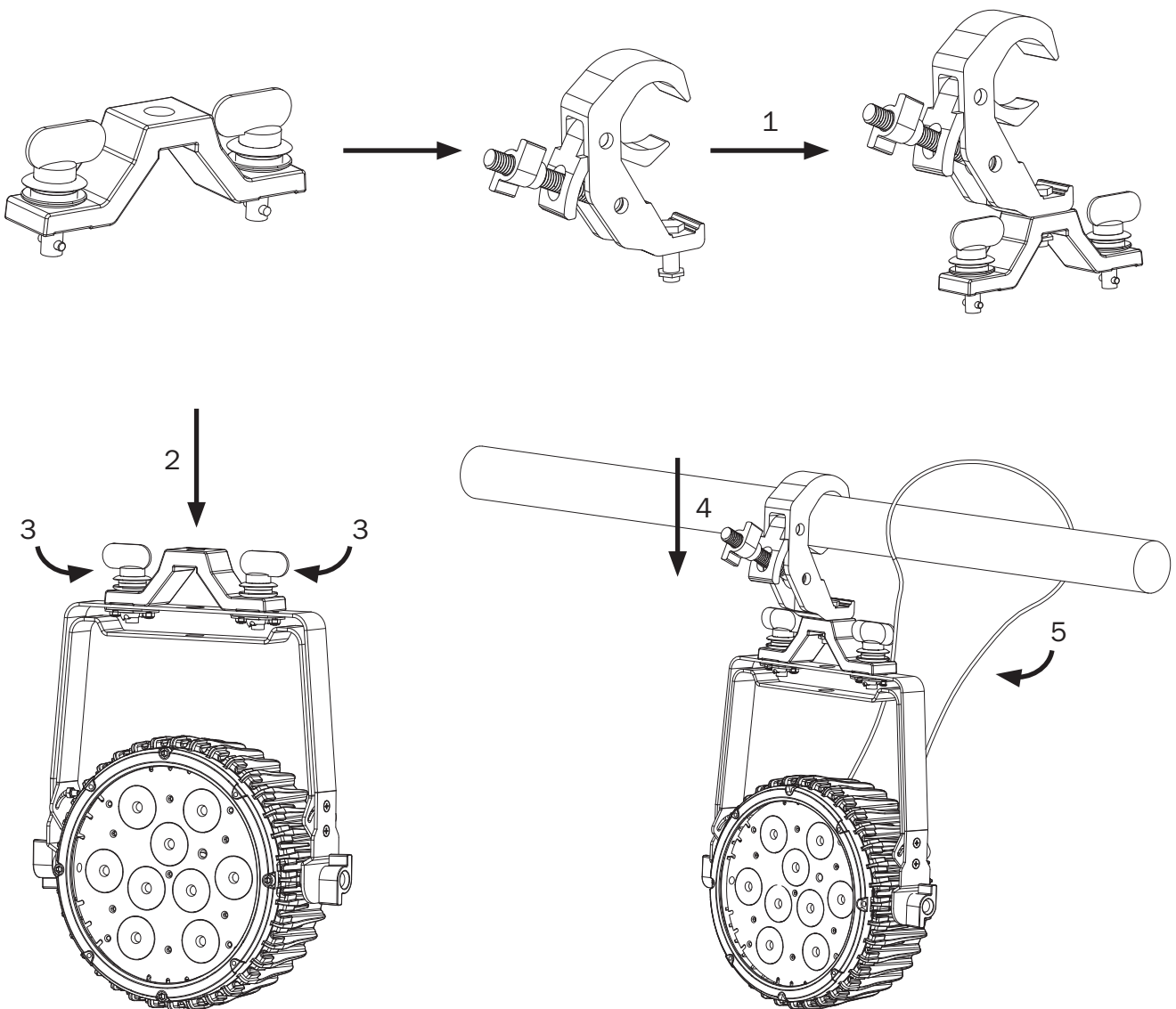
10 - PowerTwist TR1 output

11 - Fuse T2A 250V

In the box: **1 x fixture,**
1 x Omega clamp
& 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 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 that it's 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.



DMX channel 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 “**MODE**” button on the rear of the unit to show *000 1* on the LED display. Now use the “**UP**” and “**DOWN**” buttons to set the desired DMX address. Now press the “**ENTER**” button to choose one of the 2, 3, 4, 5, 6, 8 or 10 DMX channel modes, press the “**ENTER**” button to confirm the setting.

To exit out of any of the above options, press the “**MODE**” button.

2 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-016	Red
	017-033	Green
	034-050	Blue
	051-067	White
	068-084	Amber
	085-101	UV
	102-118	Yellow
	119-135	Cyan
	136-152	Magenta
	153-169	Bright green
	170-186	Medium yellow
	187-203	Turquoise
	204-220	Orange
	221-237	Cool white
238-255	White	

3 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000	No function
	001-255	Strobe (slow-fast)
3	000-004	Blackout
	005-010	Red
	011-015	Green
	016-020	Blue
	021-025	White
	026-030	Amber
	031-035	UV
	036-040	Yellow
	041-045	Cyan
	046-050	Magenta
	051-055	Bright green
	056-060	Medium yellow
	061-065	Turquoise
	066-070	Orange
	071-075	Cool white
	076-080	White
	081-150	Colour change (speed slow-fast)
151-220	Colour fade (speed slow-fast)	
221-255	Sound sensitivity (low-high)	

3 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)

4 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)

4 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Amber (0-100%)

5 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)
5	000-255	Amber (0-100%)

6 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)
5	000-255	Amber (0-100%)
6	000-255	UV (0-100%)

8 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)
5	000-255	Amber (0-100%)
6	000-255	UV (0-100%)
7	000-255	Master dimmer (0-100%)
8	000	No function
	001-255	Strobe (slow-fast)

10 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red (0-100%)
3	000-255	Green (0-100%)
4	000-255	Blue (0-100%)
5	000-255	White (0-100%)
6	000-255	Amber (0-100%)
7	000-255	UV (0-100%)
8	000	No function
	001-041	Program 1 - Static colour
	042-083	Program 2 - 6 colour fade
	084-125	Program 3 - Multicolour fade
	126-167	Program 4 - Colour fade
	168-209	Program 5 - 6 colour change
	210-241	Program 6 - Multicolour change
	242-255	Sound active
9 (Static colour selection when channel 8 is 001-041)	000	Blackout
	001-016	Red
	017-033	Green
	034-050	Blue
	051-067	White
	068-084	Amber
	085-101	UV
	102-118	Yellow
	119-135	Cyan
	136-152	Magenta
	153-169	Bright green
	170-186	Medium yellow
	187-203	Turquoise
	204-220	Orange
	221-237	Cool white
	238-255	White
	000-255	Program speed (slow-fast) when channel 8 is 042-241
000-255	Sound sensitivity (low-high) when channel 8 is 242-255	
10	000	No function
	001-255	Strobe (slow-fast)

Built-in program mode:

To access the built-in program mode press “**MODE**” until the display shows *Pr.01* on the LED display. Use the “**UP**” and “**DOWN**” buttons to select a program from *Pr.01 ~ Pr.06*. Press the “**ENTER**” button to confirm the setting.

To change the speed of the selected program press the “**ENTER**” button and then use the “**UP**” and “**DOWN**” buttons to select any value from *SP00 ~ SP99*. Press the “**ENTER**” button to confirm the setting, then use the “**UP**” and “**DOWN**” buttons to select and value from *F500 ~ F599* for the strobe feature. Press the “**ENTER**” button to confirm the setting.

In *Pr.01* you are able to set a specific static colour. When in *Pr.01* press the “**ENTER**” button and then use the “**UP**” and “**DOWN**” buttons to go through the static colours. Press the “**ENTER**” button to confirm the setting, then use the “**UP**” and “**DOWN**” buttons to select and value from *F500 ~ F599* for the strobe feature. Press the “**ENTER**” button to confirm the setting.

To exit out of any of the above options, press the “**MODE**” button.

Programs:

Pr.01	Static colour
Pr.02	6 colour fade
Pr.03	Multicolour fade
Pr.04	Colour fade
Pr.05	6 colour change
Pr.06	Multicolour change

Static colours:

00FF - Blackout	8-CC - Cyan
1--r - Red	9-LA - Magenta
2--g - Green	10b9 - Bright green
3--b - Blue	117A - Medium yellow
4--u - White	12rU - Turquoise
5--A - Amber	130r - Orange
6-UU - UV	14cU - Cool white
7-99 - Yellow	15uu - Full on (white)

Static colour mode:

To access the static colour mode press “**ENTER**” until *[0]r* shows on the LED display. Press the “**ENTER**” button and the LED display will show *r.225*. Now use the “**UP**” and “**DOWN**” buttons to select the brightness between *r.000 ~ r.255*. Press the “**ENTER**” button and repeat for green, blue, white, amber and UV.

Value: 000 - 255 (000 = low, 255 = high)

To exit out of any of the above options, press the “**MODE**” button.

Master/slave mode:

To set the master unit, press the “**MODE**” button on the rear of the master unit then select your desired program (sound active, auto, static colour or one of the built-in programs).

To set the other units in slave mode, press the “**MODE**” button on the rear of the unit to show *SLAU* on the LED display and press the “**ENTER**” button to confirm the setting. The units will now run in sequence with the master unit.

To exit out of any of the above options, press the “**MODE**” button.

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

Sound active mode:

To access the sound active mode, press the “**MODE**” button on the rear of the unit to show *Soud* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to set the sound sensitivity level from *5U00 ~ 5U31* and press the “**ENTER**” button to confirm the setting.

Value: 00 - 31 (00 = low, 31 = high)

To exit out of any of the above options, press the “**MODE**” button.

Auto mode:

To access the auto mode press “**MODE**” until the display shows *AU 0* on the LED display.

The fixture will now run through its built in programs. NOTE: The user can set up the speed and flash speed for *Pr.02 ~ Pr.06* under the built in programs mode. Changing this here will then take effect when running auto mode.

To exit out of any of the above options, press the “**MODE**” button.

NOTE:

This fixture has a thermal protection function. The fixture will automatically enter into a self-protection state and the LED display will flash “*- r t -*” if the thermal protection is activated. Switch off the fixture and leave to cool down. Should the problem reoccur please contact your local dealer for service and support.

Factory reset:

To reset the fixture to factory settings, power the fixture off. Press and hold the “**MODE**” and “**ENTER**” buttons whilst powering the unit up. Keep hold of the “**MODE**” and “**ENTER**” buttons for 3 seconds after power up. The unit will now have reset to factory settings.

Menu system

Built-in program	<i>Pr.01</i> Static colour <i>Pr.02</i> 6 colour fade <i>Pr.03</i> Multicolour fade <i>Pr.04</i> Colour fade <i>Pr.05</i> 6 colour change <i>Pr.06</i> Multicolour change <i>SP00~SP99</i> (speed) <i>F500~F599</i> (flash)
Static colour mode	<i>r.000~r.255</i> R <i>g.000~g.255</i> G <i>b.000~b.255</i> B <i>w.000~w.255</i> W <i>R.000~R.255</i> A <i>1.000~1.255</i> UV
Auto mode	<i>AU 0</i>
Slave mode	<i>SL Ru</i>
Sound active mode	<i>5U00~5U31</i>
DMX mode	2CH, 3CH, 3CH, 4CH, 4CH, 5CH, 6CH, 8CH, 10CH
Address setting	<i>d001~d512</i>

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 5-pin XLR connector for data input/output, see images below.



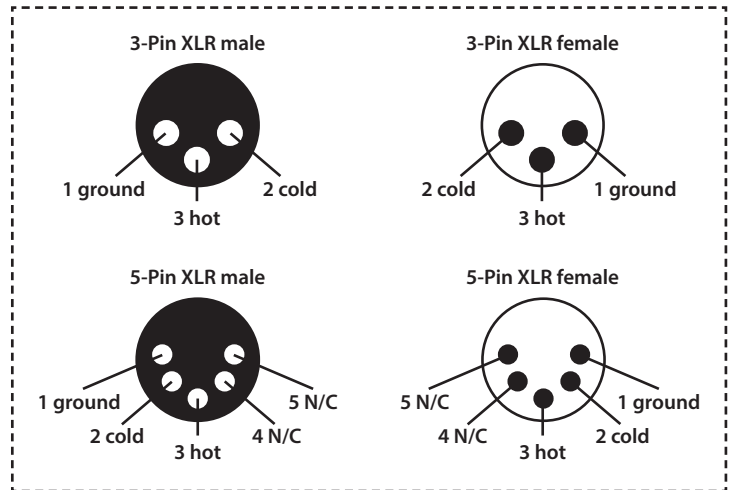
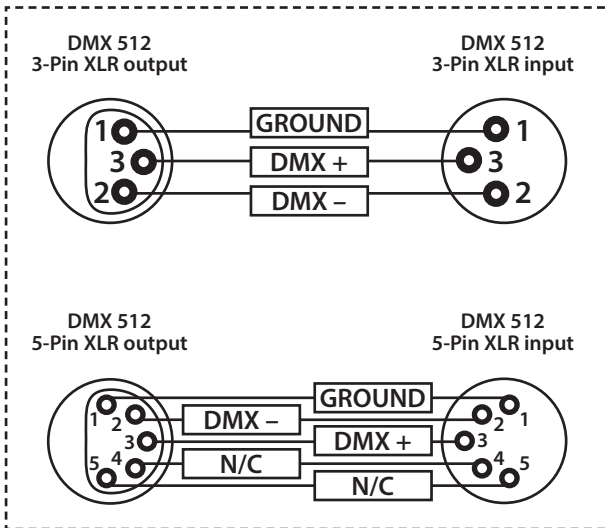
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
Please quote: 5-Pin: **CABL185 – 2m** **CABL187 – 5m** **CABL188 – 10m**

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

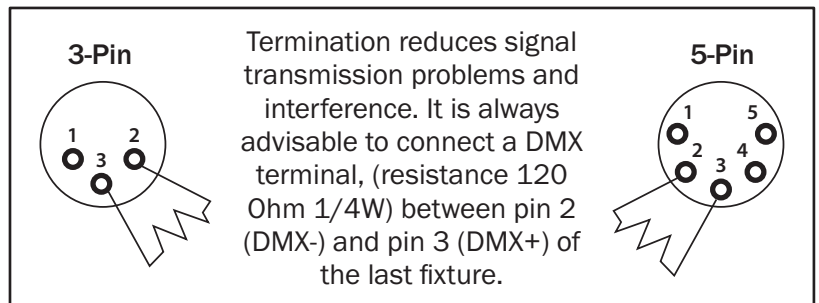


Line termination:

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

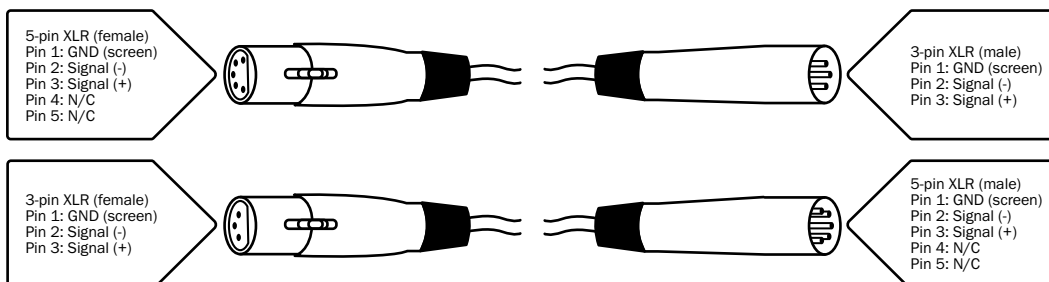
Using a cable terminator will decrease the possibilities of erratic behaviour.

(3-pin - Order ref: CABL90,
5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

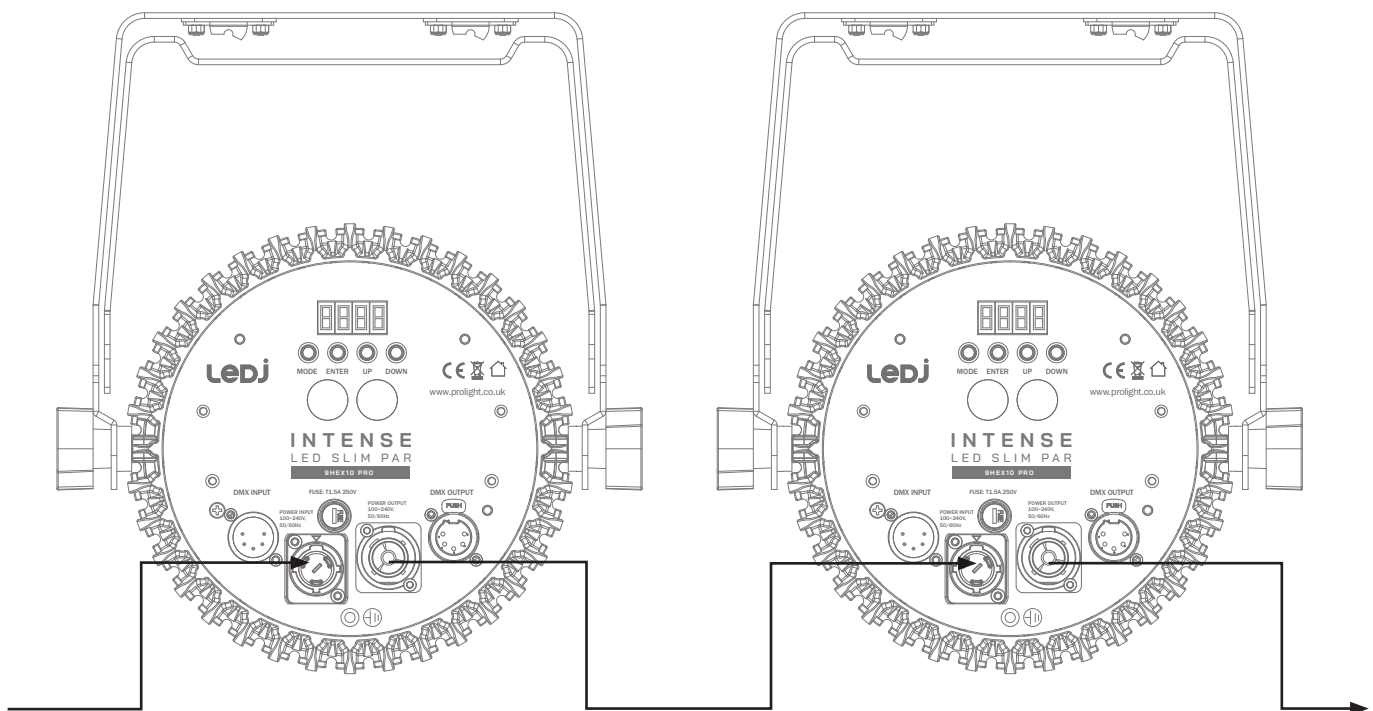
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 Intense 9HEX10 PRO LED Slim Par 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)

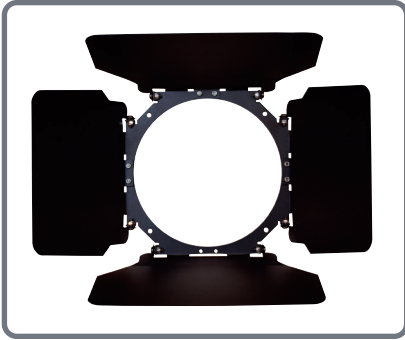
This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle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



Please contact your local retailer to purchase these accessories.



Optional barn door/gel frame
Order code: LEDJ253A

To keep up-to-date on the latest accessories and product range additions please visit www.prolight.co.uk