

# LEDJ

## **Slimline 7Q5 RGBL**

**User Manual**



**Order code: LEDJ560**

### 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 sit the equipment on a flat surface as this can block the air intake to cool the LED.
- 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.

### Slimline 7Q5 RGBL

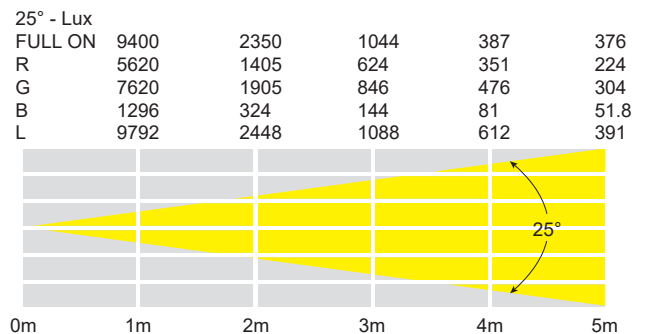
The Slimline 7Q5 features 7 x 5W quad-color LEDs, delivering smooth colour mixing and uniform output with a 25° beam angle. Its RGBL LEDs enable a broad spectrum of colors and includes color temperature macros ranging from 2400K to 8500K. Designed for portability and convenience, the robust all-metal housing is just 105mm deep, making it ideal for transport and installation.

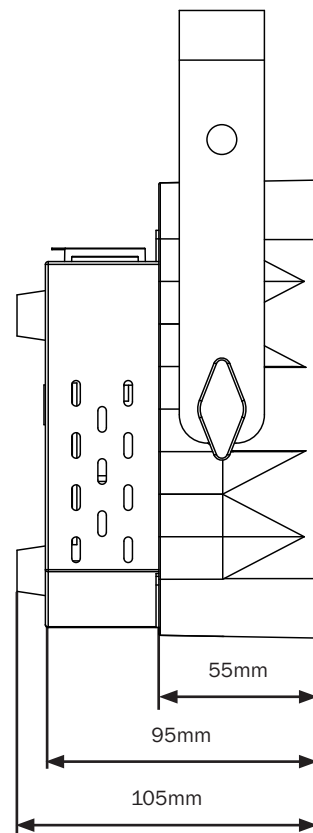
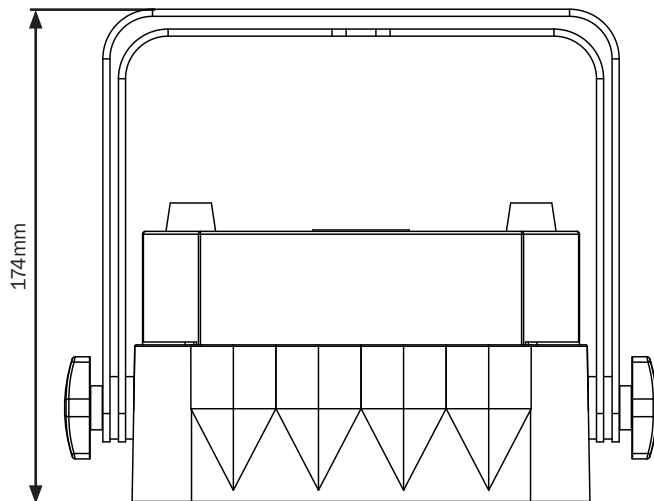
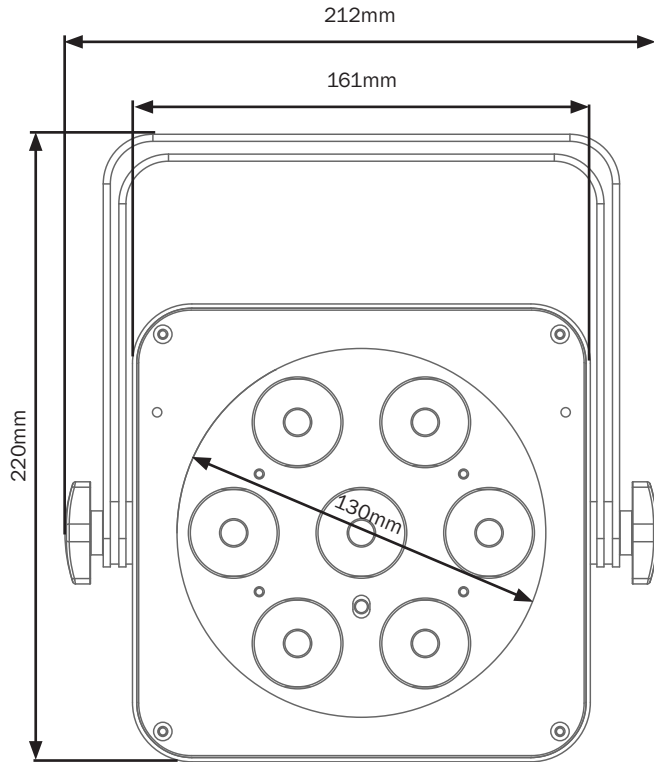
The unit supports seamless connectivity with 5-Pin DMX and Seetronic PowerTwist TR1 connectors whilst convection cooling allows for silent operation. Control options include a 4 button LED menu or an optional IR remote, providing access to various modes such as DMX, primary/secondary, sound active, and stand alone.

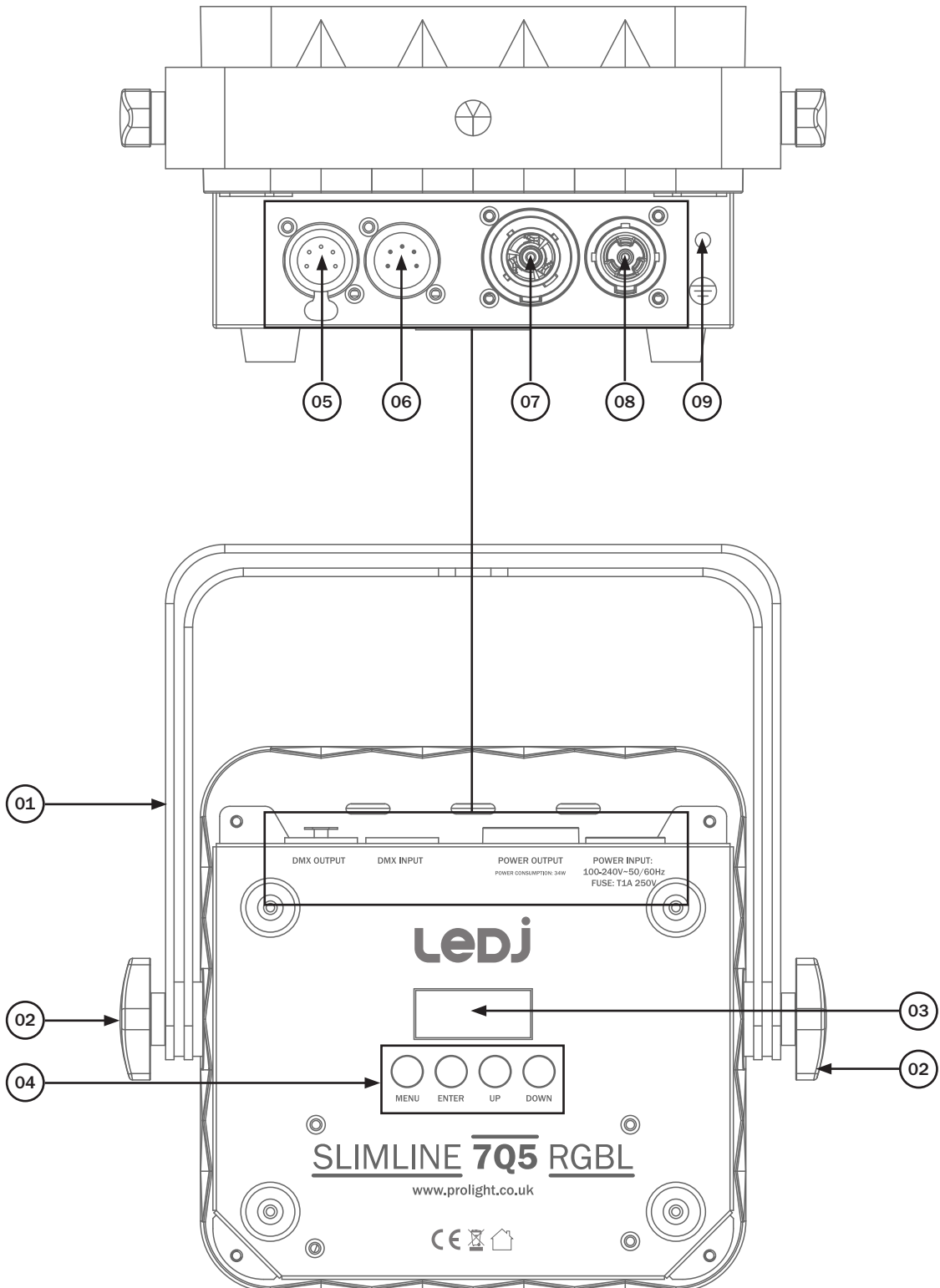
- 7 x 5W quad-colour LEDs (RGBL)
- Beam angle: 25° (field angle: 40°)
- 3.6kHz refresh rate
- DMX channels: 2/3/4/4/5 or 7 selectable
- Static colour, colour change, colour fade, sound active and primary/secondary modes
- Colour temperature presets
- CRI: 80
- 0 - 100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Rubber feet allow the panel to sit flat on the floor for uplighting
- 4 push button menu with LED display
- Side entry XLR and power connections
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- Convection cooled
- Optional IR remote (LEDJ90C)



Specifications	Slimline 7Q5 RGBL
Power consumption	34W
Power supply	100~240V, 50/60Hz
Fuse	T1A 250V
Dimensions	220 x 212 x 105mm
Weight	2.6kg
Order code	LEDJ560







01 - Hanging bracket  
02 - Adjustment knobs  
03 - LED display

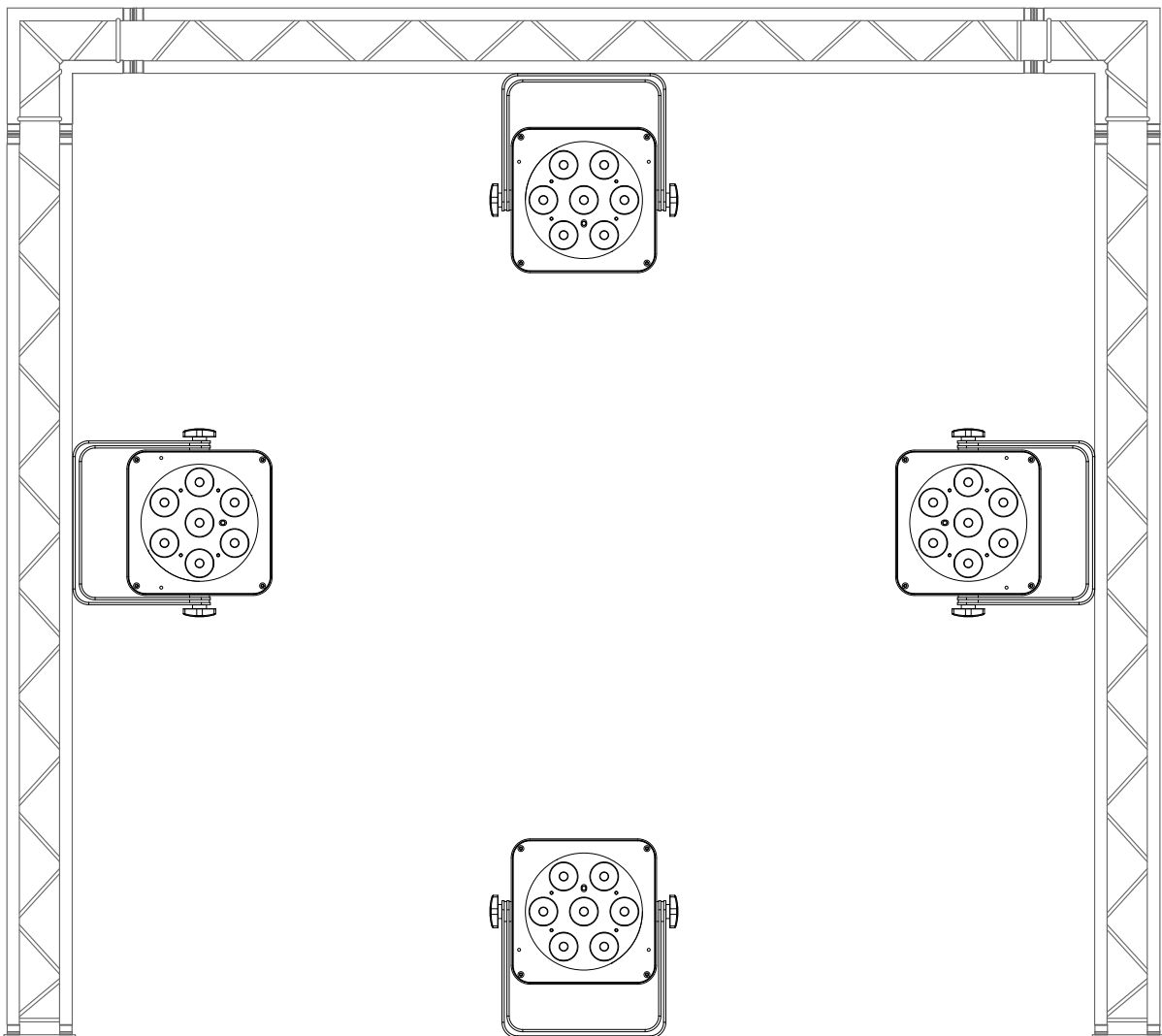
04 - Function buttons  
05 - 5-Pin DMX output  
06 - 5-Pin DMX input

07 - PowerTwist TR1 output  
08 - PowerTwist TR1 input  
09 - Earth point

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

Before installing the fixture, the supporting structure (ie. truss) must be able to hold a minimum of 10 times the fixtures weight without any deformation (eg. 15kg - 150kg point load). The fixture must be secured with a secondary safety attachment when being installed (ie. an appropriate safety cable). Never stand directly below the fixture when mounting, removing, and/or servicing.

Overhead installation requires experience and qualifications to calculate working load limits, the material being used at the installation area and periodic safety inspections of the fixture and installation material. If you do not have the relevant experience and/or qualifications please do not attempt the installation yourself. The installation should be checked annually by a qualified person.

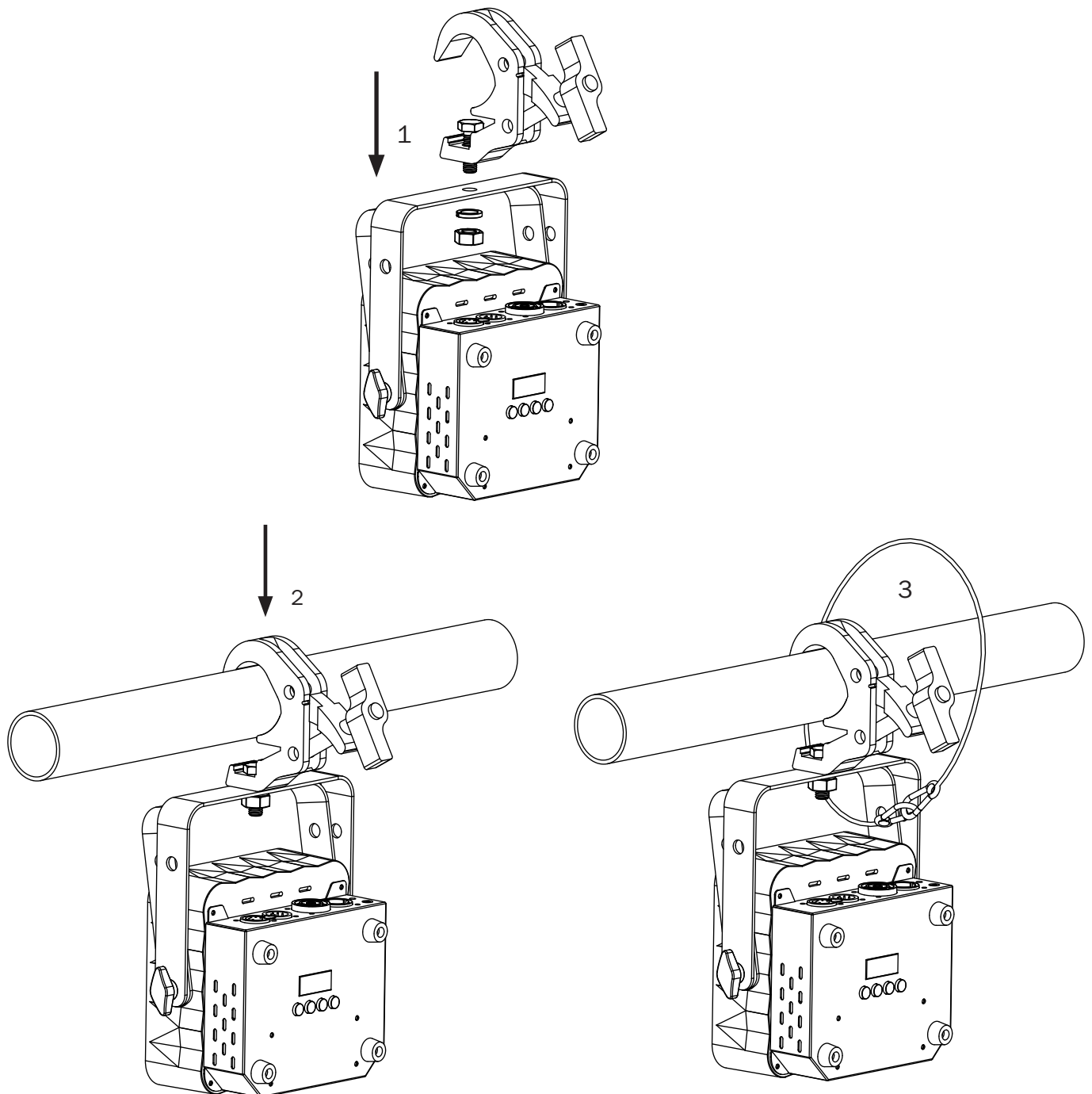


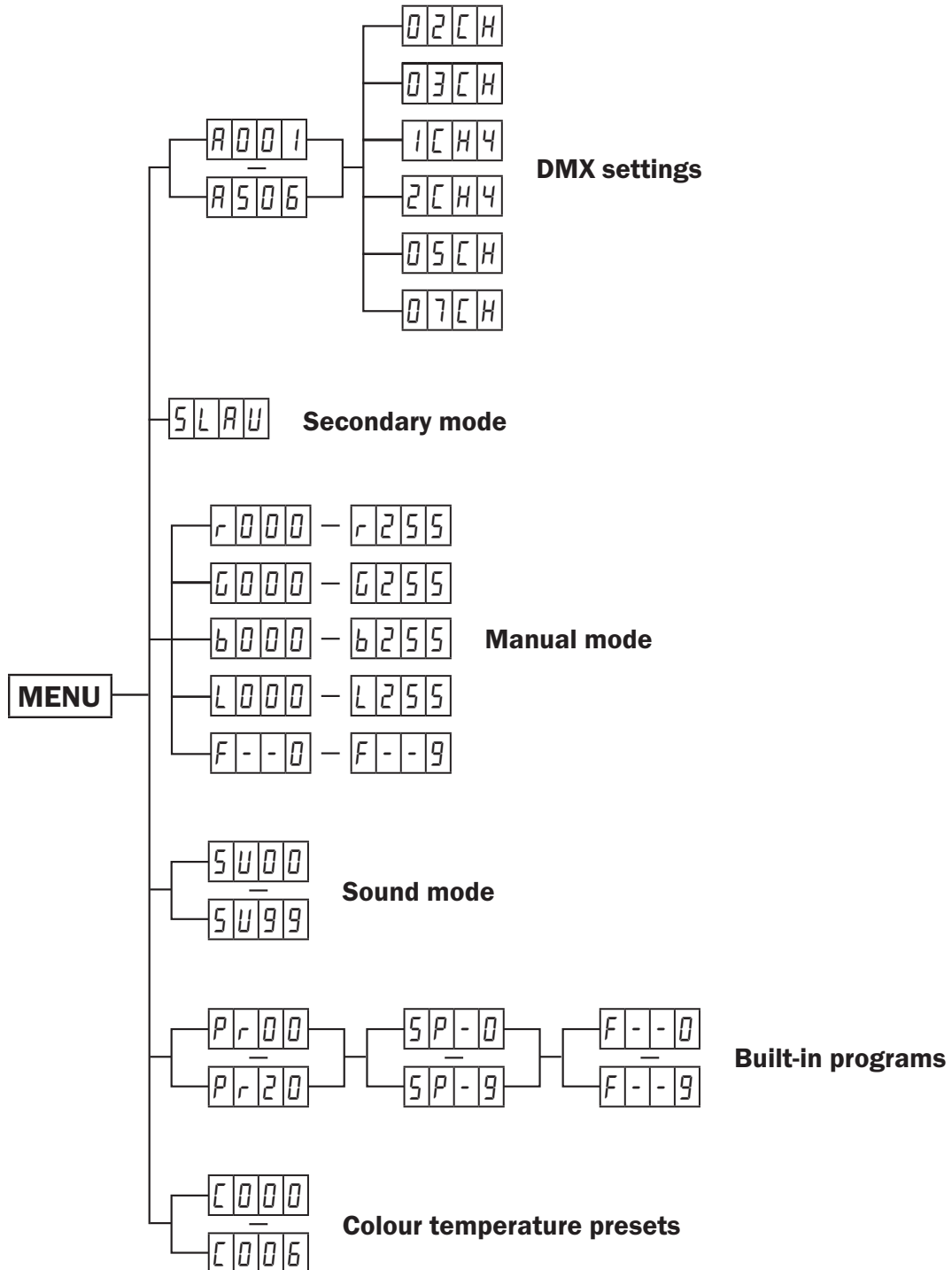
The LEDJ Slimline 7Q5 RGBL can be operated in a number of mounting positions as shown in the diagram above, hanging upside-down from the ceiling or truss, mounting sideways on truss or stood upright on a flat level surface. Always use a safety wire as an extra safety precaution to prevent damage/injury in the event a clamp fails (see the next page for clamp installation).

Never use the carry handles for secondary attachments.

### Installation:

1. Fasten the clamp to the bracket on the top of the fixture.
2. Mount the fixture onto your truss system via the clamps and tighten to ensure it is secure.
3. Pull the safety cable through the bracket and around the truss.





### DMX channel modes:

Channel						Value	Function
02CH	03CH	1CH4	2CH4	05CH	07CH		
1	-	-	-	-	-	000-240	Master dimmer (0-100%)
						241-255	Strobe (slow-fast)
-	-	-	-	-	1	000-255	Master dimmer (0-100%)
-	-	-	-	-	2	000-255	Strobe (slow-fast)
-	1	1	1	1	3	000-255	Red dimmer (0-100%)
-	2	2	2	2	4	000-255	Green dimmer (0-100%)
-	3	3	3	3	5	000-255	Blue dimmer (0-100%)
-	-	4	-	4	6	000-255	Lime dimmer (0-100%)
-	-	-	-	5	-	<b>Colour temperature presets</b>	
						000-045	No function
						046-075	2400K
						076-105	3200K
						106-135	4500K
						136-165	5600K
						166-195	6500K
						196-225	7500K
226-255	8500K						
2	-	-	-	-	7	<b>Static colours / built-in programs</b>	
						000-004	No function
						005-010	Red
						011-015	Green
						016-020	Blue
						021-025	Lime
						026-030	Medium Yellow
						031-035	Cyan
						036-040	Magenta
						041-045	Amber
						046-050	Bright Green
						051-055	Lilac
						056-060	Lavendar
						061-065	Yellow
						066-070	Pink
						071-075	Light Blue
076-080	White						
081-150	Colour Change (fast-slow)						
151-255	Colour Fade (fast-slow)						
-	-	-	4	-	-	000-190	Master dimmer (0-100%)
						191-200	Sound mode
						201-247	Strobe (slow-fast)
						248-255	Master dimmer (100%)

### 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 address mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons on the rear of the unit to show *R001* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to set the required DMX address. Press the “**ENTER**” button to confirm the setting and use the “**UP**” and “**DOWN**” buttons to choose one of the 2, 3, 4, 4, 5 or 7 DMX channel modes. Press the “**ENTER**” button to confirm the setting.

### Primary/secondary mode:

To set the primary unit, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons on the rear of the unit to select one of the built-in programs, sound programs or manual modes on the LED display. To set the other units in secondary mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons on the rear of the unit to show *SLAU* on the LED display.

Press the “**ENTER**” button to confirm the setting.

The unit/s will now run in sequence with the primary unit.

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

### Manual mode:

To access the manual mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons on the rear of the unit to show *r255* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose between *r* (red), *g* (green), *b* (blue), *L* (lime) or *F* (strobe). Press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose between *000* (0% brightness) to *255* (100% brightness) or *0* (no strobe) to *9* (fast strobe).

Press the “**ENTER**” button to confirm the setting.

### Sound active:

To access the sound active mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons on the rear of the unit to show *SU - -* on the LED display. To adjust the sensitivity of the sound mode, press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose between *SU00* (low) to *SU99* (high). Press the “**ENTER**” button to confirm the setting.

**Built-in programs/static colour mode:**

To access the built-in programs/static colour mode, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *Pr 00* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to choose between *Pr 00* to *Pr 20*.

<i>Pr 00</i> - Auto	<i>Pr 07</i> - Magenta	<i>Pr 14</i> - Light Blue
<i>Pr 01</i> - Red	<i>Pr 08</i> - Amber	<i>Pr 15</i> - White
<i>Pr 02</i> - Green	<i>Pr 09</i> - Bright Green	<i>Pr 16</i> - 15 colour change
<i>Pr 03</i> - Blue	<i>Pr 10</i> - Lilac	<i>Pr 17</i> - 15 colour fade
<i>Pr 04</i> - Lime	<i>Pr 11</i> - Lavendar	<i>Pr 18</i> - 4 colour change
<i>Pr 05</i> - Medium Yellow	<i>Pr 12</i> - Yellow	<i>Pr 19</i> - 4 colour fade
<i>Pr 06</i> - Cyan	<i>Pr 13</i> - Pink	<i>Pr 20</i> - 3 colour change

To adjust the speed of the program, press the “ENTER” button and use the “UP” and “DOWN” buttons to choose between *SP - 0* (slow) to *SP - 9* (fast).

To adjust the strobe speed, press the “ENTER” button and use the “UP” and “DOWN” buttons to choose between *F - - 0* (no strobe) to *F - - 9* (fast strobe).

Press the “ENTER” button to confirm the setting.

**Colour temperature presets:**

To access the colour temperature presets, press the “MENU” button and use the “UP” and “DOWN” buttons on the rear of the unit to show *CT 000* on the LED display. Now use the “UP” and “DOWN” buttons to choose between *CT 000* to *CT 006*.

Press the “ENTER” button to confirm the setting.

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

### Optional IR remote functions:

#### Button functions:

- 01 - Sets the LEDs into power on or off modes
- 02 - Runs the built-in programs, use the '+' and '-' buttons to go through the programs
- 03 - Sets the LEDs to flash on and off, use the '+' and '-' buttons to change the flash frequency
- 04 - Sets the run speed, use the '+' and '-' buttons to change the desired speed (note: only available in the colour change or colour fade modes)
- 05 - Sets the LEDs into DMX mode
- 06 - Sets the LEDs into sound active mode
- 07 - Sets the LEDs into slave mode
- 08 - Sets the DMX address for the LEDs
- 09 - Sets the LEDs colour, then use the '+' and '-' buttons to change the brightness

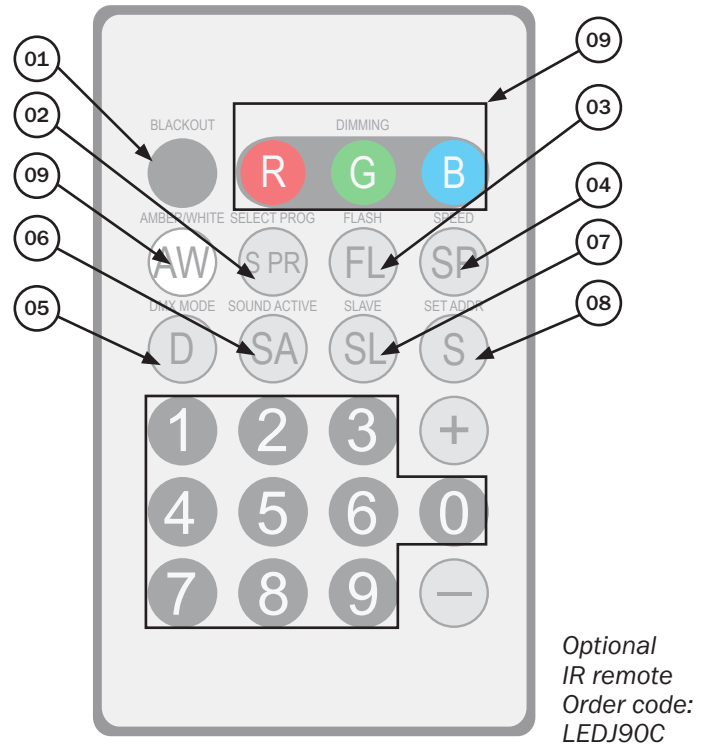
#### DMX address examples:

To set the DMX address "245";

- Press the "S" button, the red LEDs will come on, you can now start to set the DMX address
- Now press the "2" button, the green LEDs will come on, this means the first digit has been set at 2
- Now press the "4" button, the blue LEDs will come on, this means the second digit has been set at 4
- Now press the "5" button, and the white/amber LEDs will come on, the third digit 5 has been set. The full DMX address setting has been changed
- Now press the "DMX MODE" button to save the new address into the memory

#### Important notes:

- Set the DMX address on each fixture before plugging into the DMX controller
- The IR remote cannot be used when the fixture(s) are being controlled with a DMX controller
- The maximum IR transmitter distance is 10m - Please make sure that you have the IR remote aimed directly at the front panel of each fixture to be programmed
- If you do not press the "DMX MODE" button after you have changed the DMX address when you power down the fixture it will lose the address you have set



To set the DMX address "002";

- Press the "S" button, the red LEDs will come on, you can now start to set the DMX address
- Now press the "0" button, the green LEDs will come on, this means the first digit has been set at 0
- Now press the "0" button, the blue LEDs will come on, this means the second digit has been set at 0
- Now press the "2" button, and the white/amber LEDs will come on, the third digit 5 has been set. The full DMX address setting has been changed
- Now press the "DMX MODE" button to save the new address into memory

### 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 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.

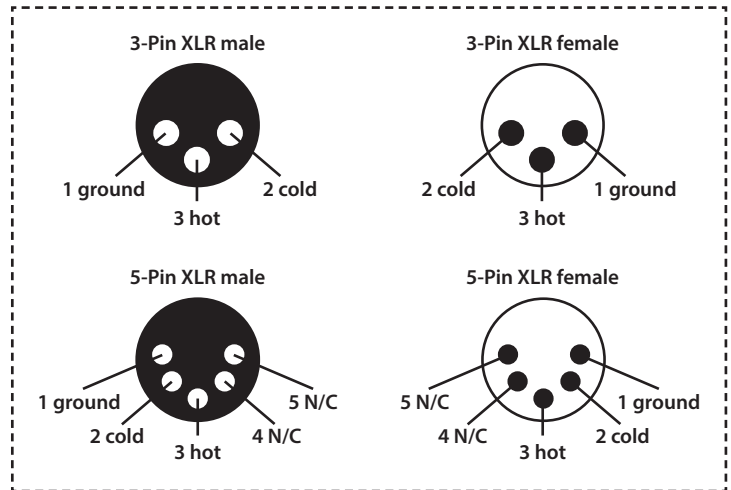
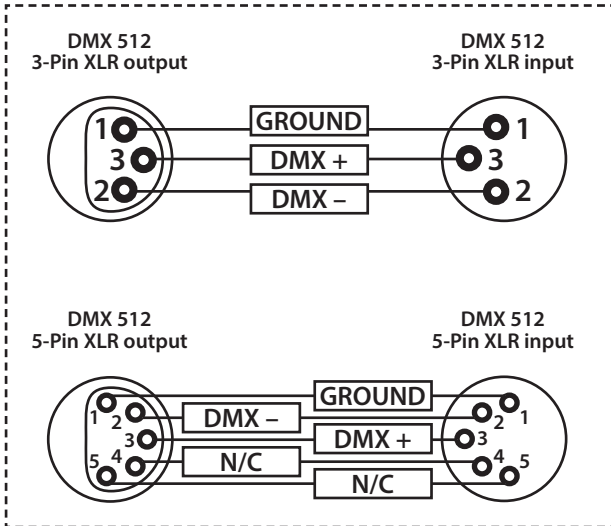
Please quote:	3-Pin:	<b>CABL10 - 2m</b>	<b>CABL11 - 5m</b>	<b>CABL12 - 10m</b>
	5-Pin:	<b>CABL185 - 2m</b>	<b>CABL187 - 5m</b>	<b>CABL188 - 10m</b>

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

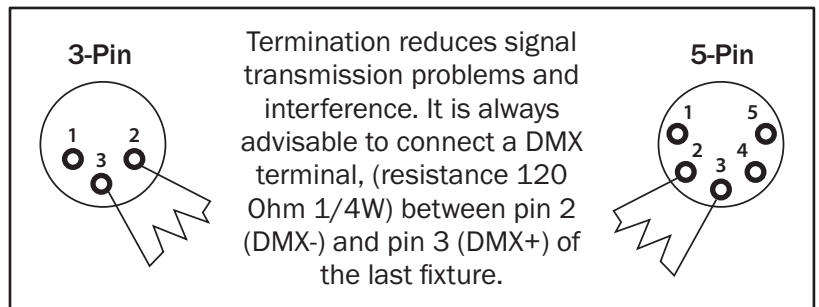


**Line termination:**

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

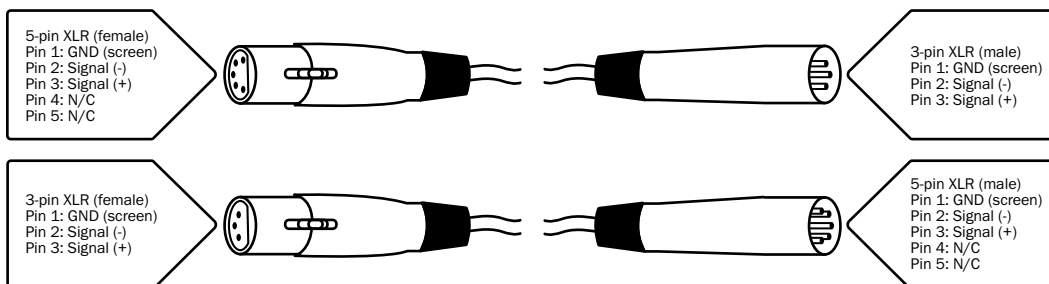
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

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



**5-pin XLR DMX connectors:**

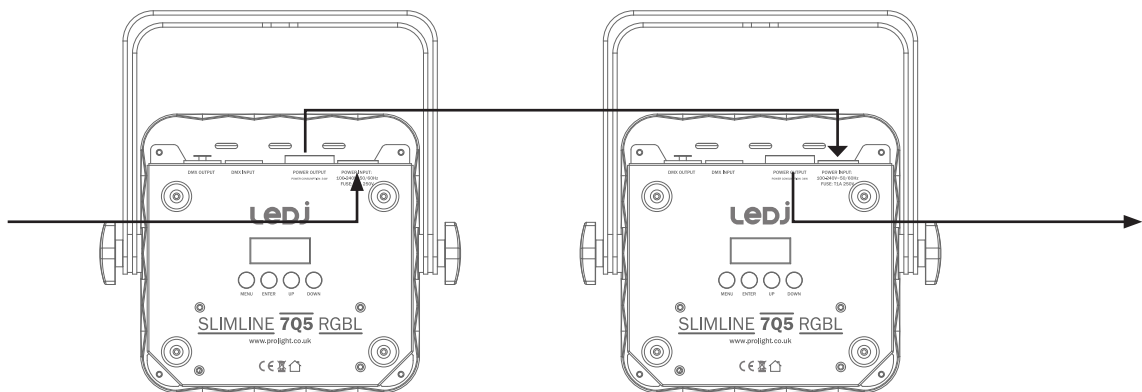
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



### 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 16 fixtures @ 240V or 8 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 Slimline 7Q5 RGBL 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.

