LEDJ

Event Spot DL/WW MKII
User Manual

Order codes:
LEDJ232 - WW (Black Housing)
LEDJ232A - WW (White Housing)
LEDJ233 - DL (Black Housing)
LEDJ233A - DL (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.

Event Spot DL/WW

The Event Spot compact LED Pinspots are powered by a 15W LED that has the brightness and output of a 100W halogen lamp. Featuring a 4° beam angle and supplied with two optional lenses (10° and 45°) the fixture is easily directed at displays for highlighting and pinspotting, it can also be used to create mood lighting on a restaurant table, or to spotlight displays in store.
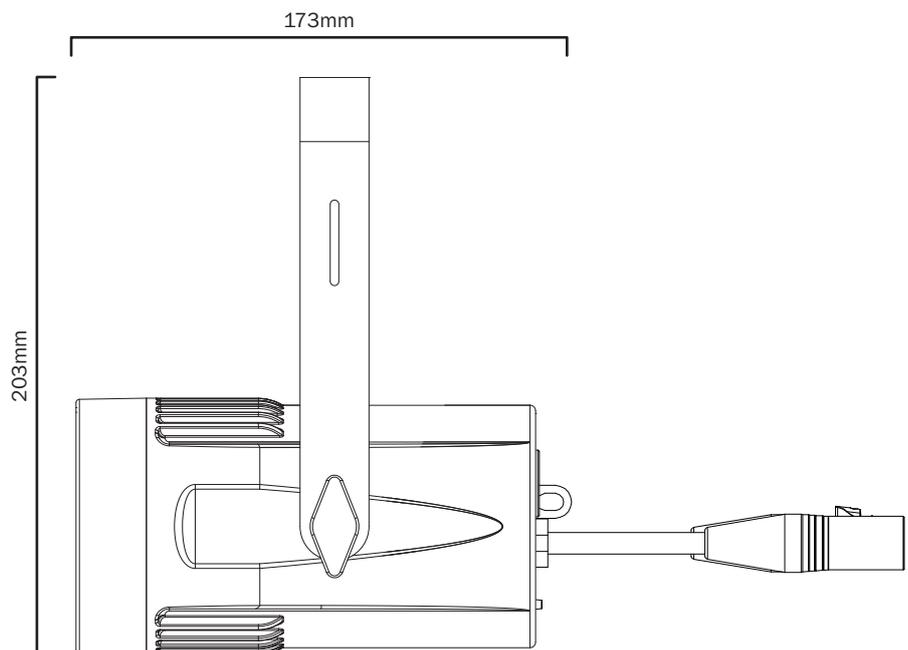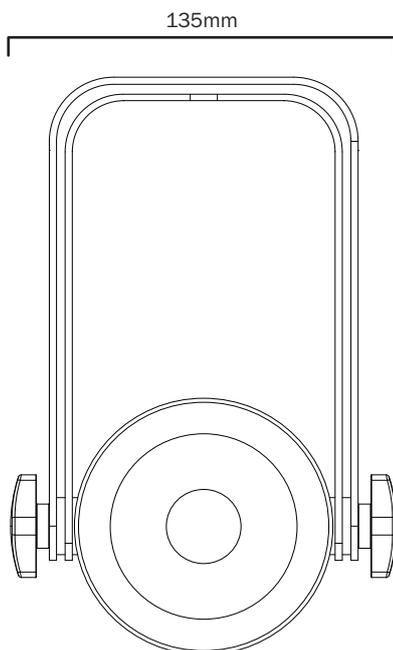
- 1 x 15W warm white LED (3000K) - LEDJ232/LEDJ232A
- 1 x 15W day light LED (5000K) - LEDJ233/LEDJ233A
- Beam angle: 4° native, 10° & 45° frost lenses supplied
- 1.1kHz refresh rate
- DMX channels: 1 or 2 selectable
- Manual and master/slave modes
- 0-100% dimming and variable strobe
- Bracket allows for multiple rigging or floor standing applications
- 4 push button menu with LCD display
- PowerCON input/output
- 3-Pin XLR input/output trailing sockets
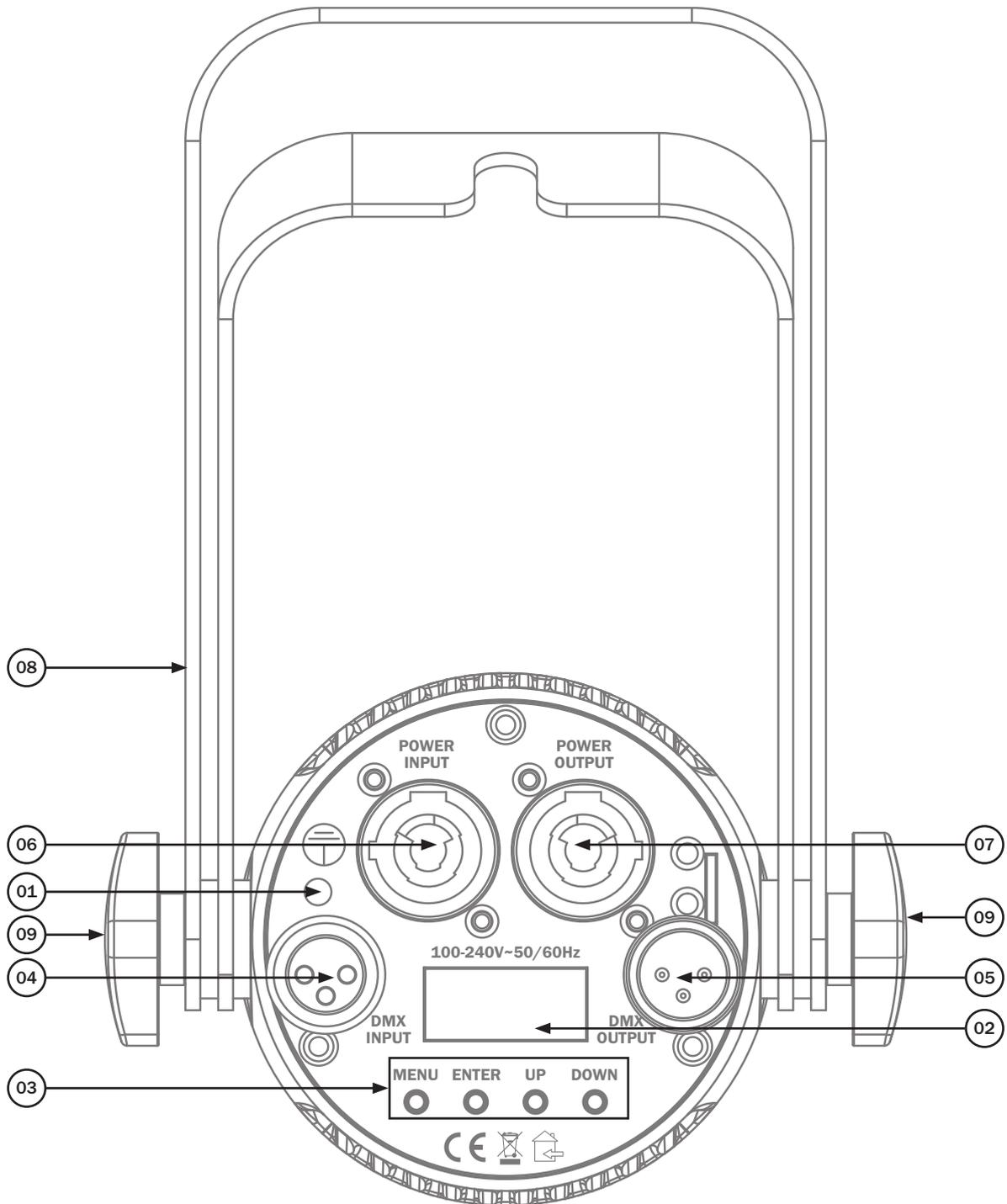- Convection cooled
- Optional IR remote (LEDJ90E)

Event Spot WW

4° - Lux	47600	11890	5290	2980	1900
10° - Lux	24000	5989	2660	1500	958
45° - Lux	2620	654	291	164	105

Event Spot DL

4° - Lux	54400	13640	6040	3400	2180
10° - Lux	28400	7109	3160	1780	1140
45° - Lux	3140	786	349	197	126
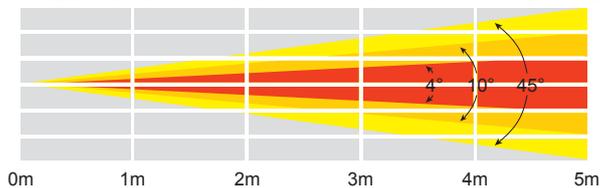
Specifications	Event Spot DL/WW
Power consumption	17W
Power supply	100~240V, 50/60Hz
Fuse	T0.5A 250V
Dimensions	203 x 135 x 173mm
Weight	1.2kg
Order code	LEDJ232 - WW (Black Housing) LEDJ232A - WW (White Housing) LEDJ233 - DL (Black Housing) LEDJ233A - DL (White Housing)

135mm

173mm

203mm

POWER
INPUT

POWER

100-240V~50/60Hz

DMX
INPUT

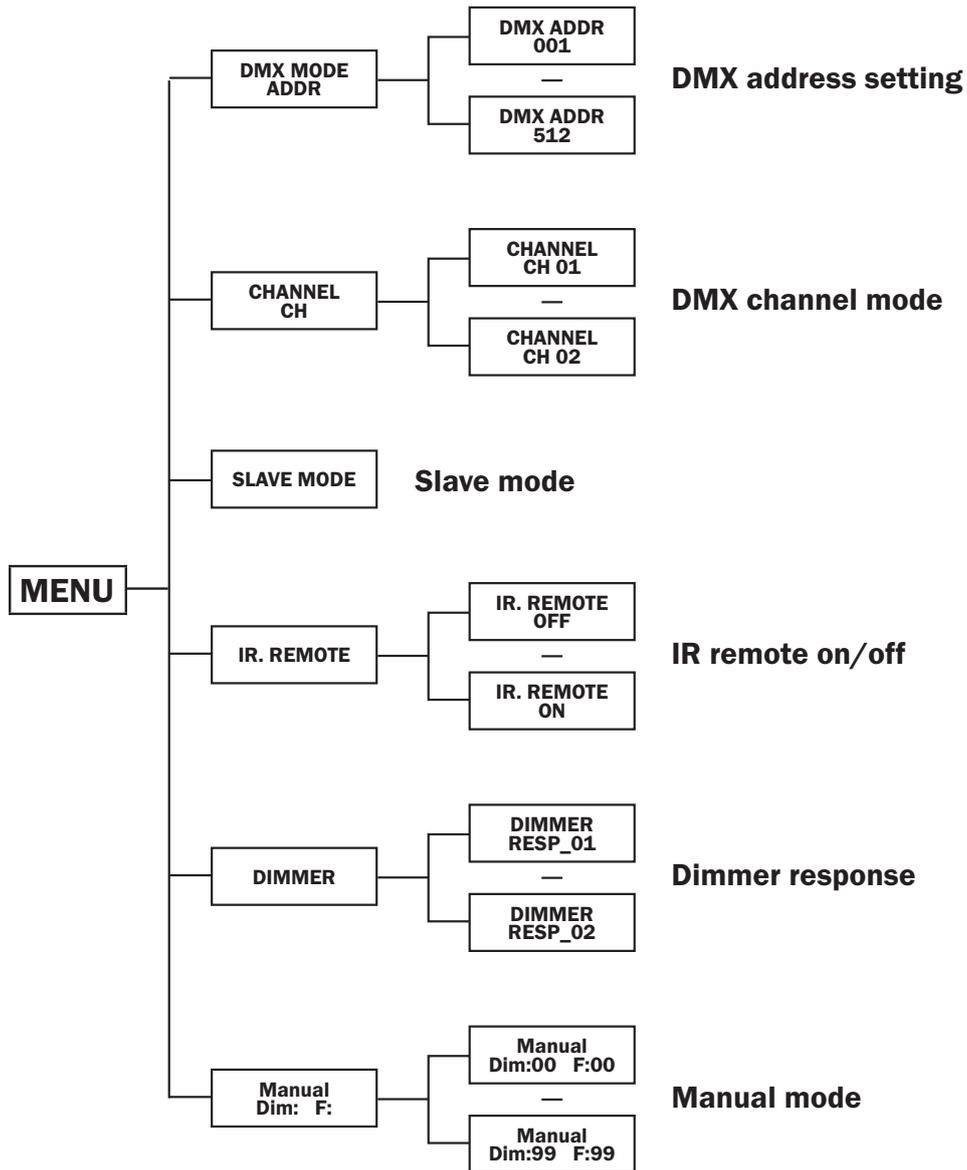DMX

MENU   ENTER   UP   DOWN

08

06

01

09

04

03

07

09

05

02

01 - Earth point
02 - LCD display
03 - Function buttons
04 - 3-Pin DMX input trailing socket
05 - 3-Pin DMX output trailing socket

06 - PowerCON input
07 - PowerCON output
08 - Hanging bracket
09 - Hanging bracket adjustable knob

In the box: **1 x fixture,
1 x 10° frost lens,
1 x 45° frost lens,
1 x power cable
& 1 x user manual**

LEDJ

DMX MODE ADDR	DMX ADDR 001 / — / DMX ADDR 512	**DMX address setting**
CHANNEL CH	CHANNEL CH 01 / — / CHANNEL CH 02	**DMX channel mode**
SLAVE MODE		**Slave mode**
IR. REMOTE	IR. REMOTE OFF / — / IR. REMOTE ON	**IR remote on/off**
DIMMER	DIMMER RESP_01 / — / DIMMER RESP_02	**Dimmer response**
Manual Dim: F:	Manual Dim:00 F:00 / — / Manual Dim:99 F:99	**Manual mode**

MENU

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 on the rear of the unit to show **"DMX MODE ADDR"** on the LCD 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.

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

To access the DMX channel mode, press the **"MENU"** button on the rear of the unit to show **"CHANNEL CH 01"** on the LCD display. Now use the **"UP"** and **"DOWN"** buttons to set the required DMX channel **"CHANNEL CH 01"** or **"CHANNEL CH 02"**. Press the **"ENTER"** button to confirm the setting.

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

1 channel mode:

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

2 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-002	No function
	003-255	Strobe (slow-fast)

Master/slave mode:

To set the master unit, press the **"MENU"** button on the rear of the master unit to select manual mode.

To set the other units in slave mode, press the **"MENU"** button on the rear of the unit to show **"SLAVE MODE"** on the LCD display. Press the **"ENTER"** button to confirm the setting.

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

IR remote on/off:

To set the IR remote on/off, press the **"MENU"** button on the rear of the unit to show **"IR. REMOTE"** on the LCD display. Press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select **"ON"** or **"OFF"**. Press the **"ENTER"** button to confirm the setting.

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

Dimmer response:

To set the dimmer response, press the **"MENU"** button on the rear of the unit to show **"DIMMER"** on the LCD display. Press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select **"RESP_01"** or **"RESP_02"**. Press the **"ENTER"** button to confirm the setting.

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

<u>**Manual dimming mode:**</u>

To access the manual dimming mode, press the **"MENU"** button on the rear of the unit to show **"Manual"** on the LCD display. The unit is now in manual dimming mode. Press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the brightness from **"00"** - **"99"**. Press the **"ENTER"** button again and use the **"UP"** and **"DOWN"** buttons to set the strobe speed from **"00"** - **"99"**. Press the **"ENTER"** button to confirm the setting.

(00 = LED off/strobe off, 99 = LED at full brightness/strobe fast)

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

Optional IR remote functions:

Button functions:

01 - Blackout
02 - To set the brightness of the LED either select 20%, 50% or 100% or alternatively you can use the '+' and '-' buttons
03 - Flash off
04 - To set the flash speed of the LED either select 20%, 50% or 100% or alternatively you can use the '+' and '-' buttons
05 - Set the LED into DMX mode
06 - Set the LED into sound active mode
07 - Set the LED into slave mode
08 - Set the DMX address for the LED

Optional IR remote Order code: LEDJ90E
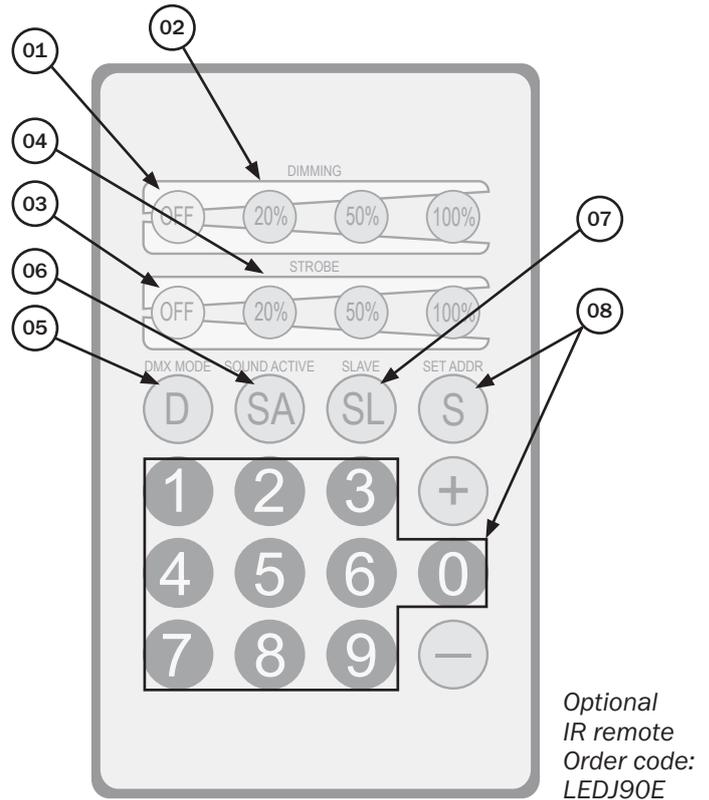
DMX address examples:

To set the DMX address;

• Press the "S" button, the LED illuminates in full, you can now start to set the DMX address

• Select the required 3 digit DMX address (eg 001 or 136 or 275) the unit will then flash to confirm the address has been set

• 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 is cannot be used when the fixture(s) are being controlled by a DMX controller

• The maximum 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

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.

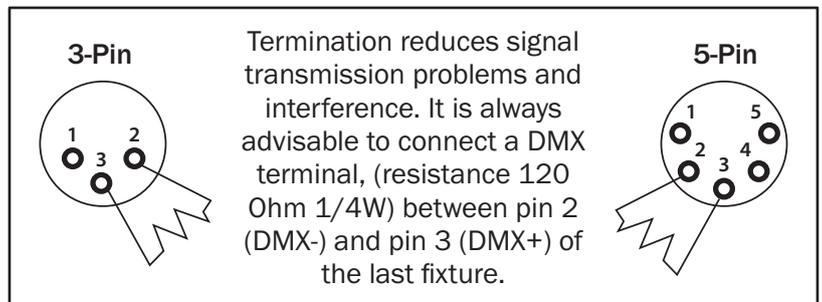| Pin Configuration	
3-Pin	**5-Pin**
Pin 1 - Ground	
Pin 2 - Negative	
Pin 3 - Positive	
–	Pin 4 - N/C
–	Pin 5 - N/C
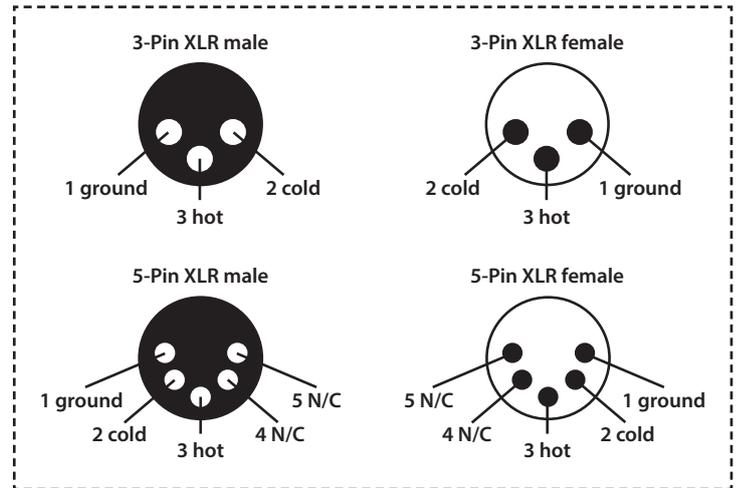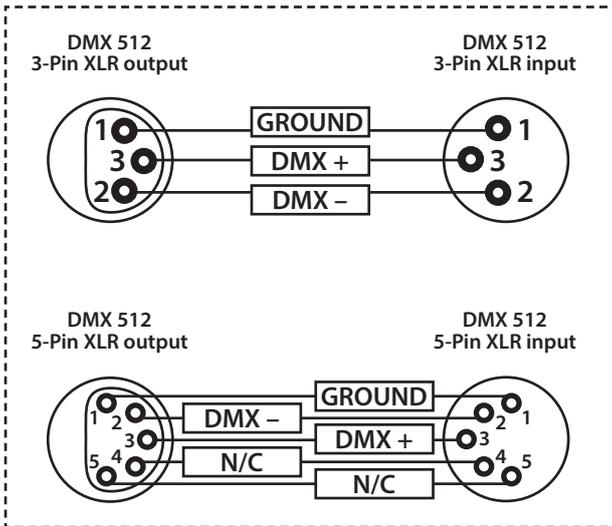
Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.
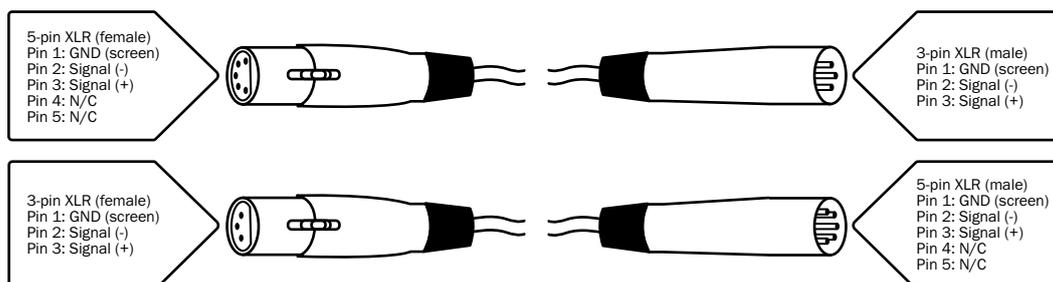
Using a cable terminator will decrease the possibilities of erratic behaviour.
(3-pin - Order ref: CABL90,
5-pin - Order ref: CABL89)

Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

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.

5-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

3-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

3-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

5-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

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.

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