

# **EQUINOX**

## **Nova Par 64**

**User Manual**



**Order codes:**

**EQLED016 (Black Housing)**

**EQLED016A (Polished 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.



### 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 voltage is between 100~240V, 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.
- 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.

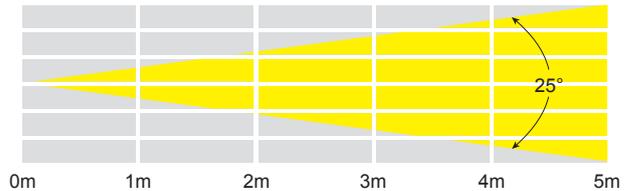
### Nova Par 64

Featuring high intensity 10mm LEDs, this par can boasts not only a great output but superb eye candy effects as well for performances of all sizes. The units operate in several modes, including DMX, static colour, colour mix, auto, sound active and master/slave. Internal programs guarantee a stunning show when several units are linked together.

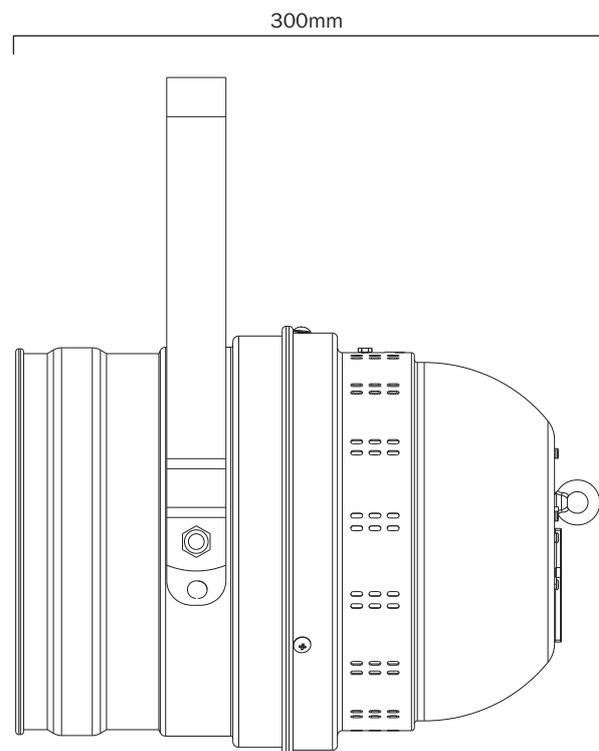
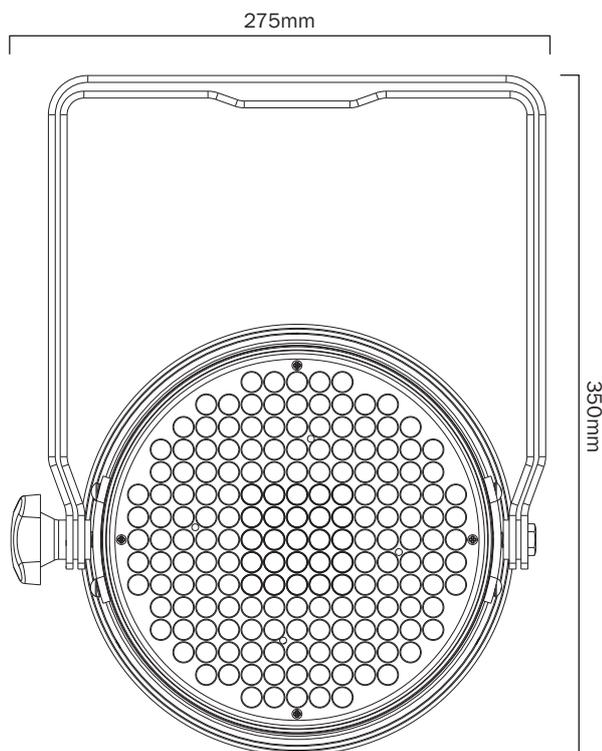
- 177 x 10mm LEDs (R: 60, G: 57, B: 60)
- Beam angle: 25°
- 1,785 Lux @ 2m (full on)
- DMX channels: 3 or 6 selectable
- Static colour, colour mix, auto, sound active and master/slave modes
- 0 - 100% dimming and variable strobe
- Bracket allows for multiple rigging and floor standing applications
- 4 push button menu with LED display
- IEC power input/output
- 3-Pin XLR input/output
- Convection cooled

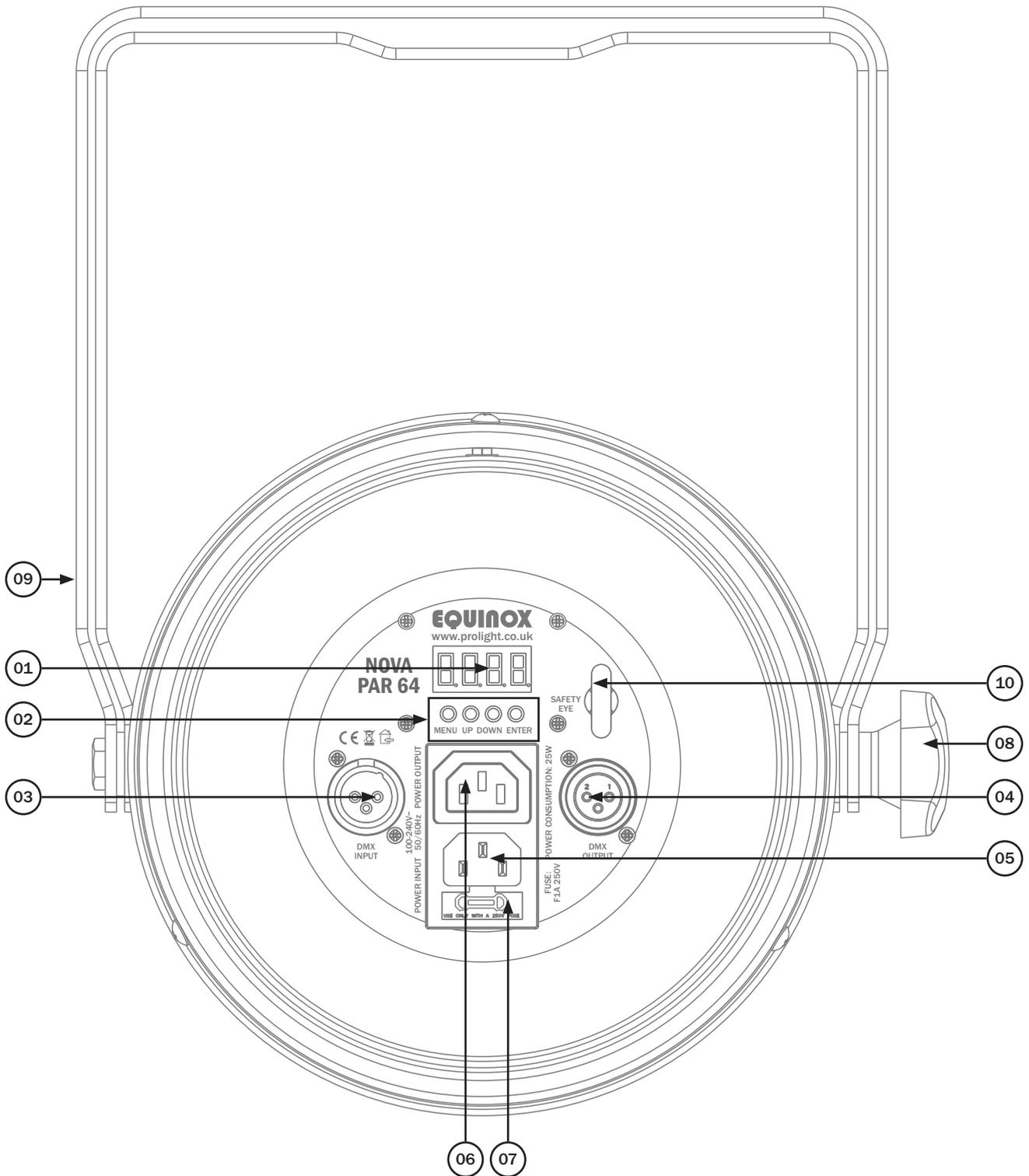


25° - Lux					
FULL ON	7160	1785	796	447	286
R	944	236	105	59	37.8
G	4960	1240	551	310	198
B	1300	324	144	81	51.8



Specifications	Nova Par 64
Power consumption	25W
Power supply	100~240V, 50/60Hz
Fuse	F1A 250V
Dimensions	350 x 275 x 300mm
Weight	1.6kg
Order codes	EQLED016 - Black housing EQLED016A - Polished housing



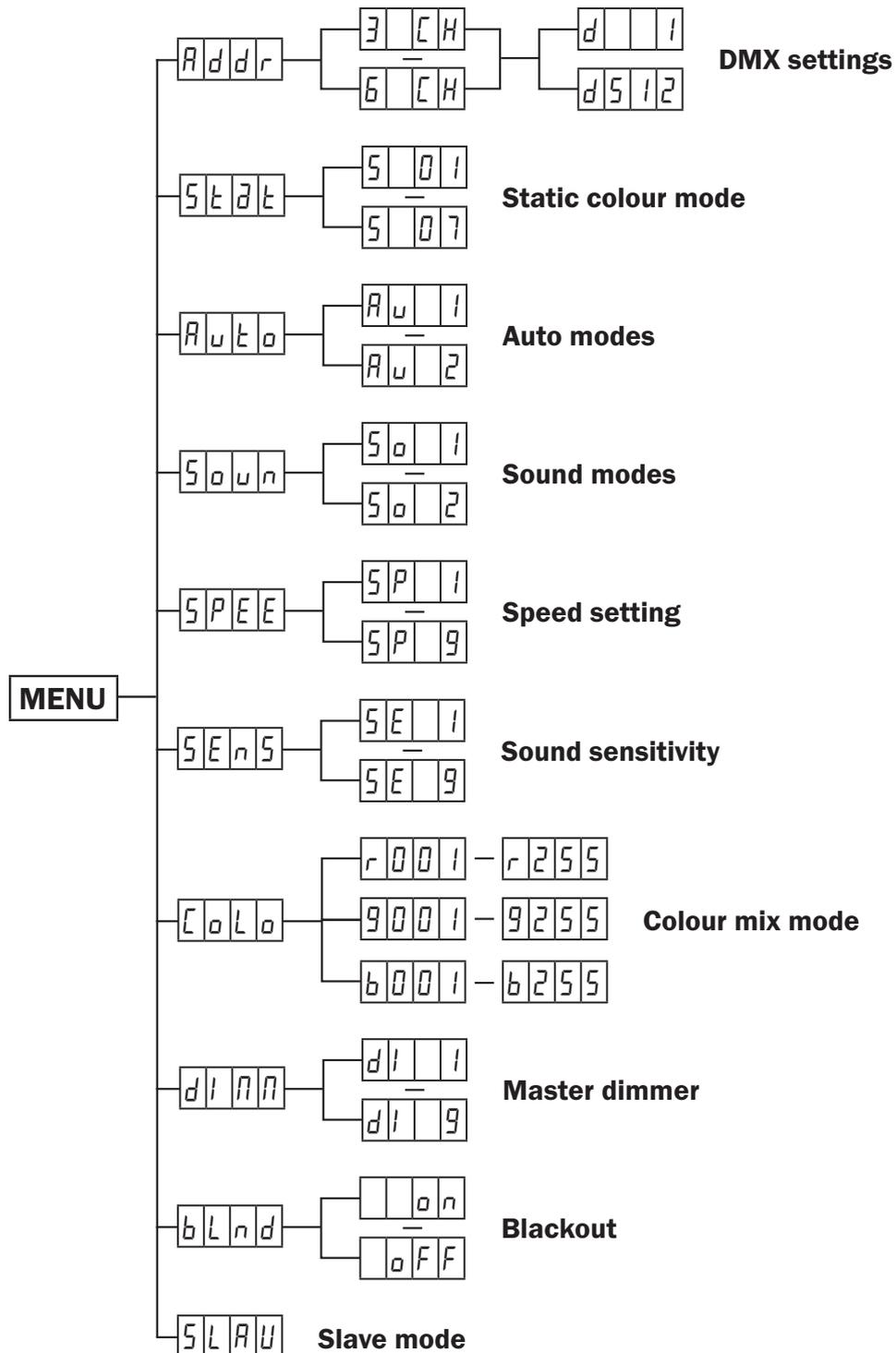


- 01 - LED display
- 02 - Function buttons
- 03 - 3-Pin DMX input
- 04 - 3-Pin DMX output

- 05 - IEC power input
- 06 - IEC power output
- 07 - Fuse F1A 250V
- 08 - Bracket knob

- 09 - Bracket
- 10 - Safety eye

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



### 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 mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to show *Addr* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose one of the 3 or 6 DMX channel modes. 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.

### 3 channel mode:

Channel	Value	Function
CH1	000-255	Red dimmer (0-100%)
CH2	000-255	Green dimmer (0-100%)
CH3	000-255	Blue dimmer (0-100%)

### 6 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Strobe (slow-fast)
CH3	000-255	Red dimmer (0-100%)
CH4	000-255	Green dimmer (0-100%)
CH5	000-255	Blue dimmer (0-100%)
CH6	000-009	No function
	010-069	Auto program 1 (slow-fast)
	070-129	Auto program 2 (slow-fast)
	130-189	Sound program 1 (low-high)
	190-255	Sound program 1 (low-high)

### Static colour mode:

To access the static colour mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to show *Stab* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose one of the static colours between *S 01 ~ S 07*.

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

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

### Colour macros:

01	Red	03	Blue	05	Cyan	07	White
02	Green	04	Yellow	06	Magenta		

### Auto modes:

To access the auto modes, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to show *Auto* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose one of the auto modes between *Auto 1 ~ Auto 2*.

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

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

## Sound modes:

To access the sound modes, press the “MENU” button and use the “UP” and “DOWN” buttons to show *SOUND* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to choose one of the sound modes between *SO 1* ~ *SO 2*.

Press the “ENTER” button to confirm the setting.

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

## Speed setting:

To access the speed setting for auto and sound modes, press the “MENU” button and use the “UP” and “DOWN” buttons to show *SPEED* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select between *SP 1* ~ *SP 9*.

Press the “ENTER” button to confirm the setting.

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

## Sound sensitivity:

To access the sound sensitivity setting, press the “MENU” button and use the “UP” and “DOWN” buttons to show *SENS* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select the sound sensitivity between *SE 1* ~ *SE 9*.

Press the “ENTER” button to confirm the setting.

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

## Colour mix mode:

To access the colour mix mode, press the “MENU” button to show *COL* on the LED display.

Now press the “ENTER” button and use the “UP” and “DOWN” buttons to choose *r 001*.

Press the “ENTER” button and use the “UP” and “DOWN” buttons to select the brightness of Red between *000* ~ *255*. Value: 000 - 255 (000 = low, 255 = high).

Now press the “ENTER” button and repeat for *g* Green, and *b*.

Press the “ENTER” button to confirm the setting.

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

## Master dimmer:

To access the master dimmer setting, press the “MENU” button and use the “UP” and “DOWN” buttons to show *dim* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to select the brightness between *di 1* ~ *di 9*.

Press the “ENTER” button to confirm the setting.

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

Please note: this overrides the brightness for static colour, auto, sound and colour mix modes.

### Blackout setting:

To access the blackout when DMX fails setting, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to show *bLnd* on the LED display. Now press the “**ENTER**” button and use the “**UP**” and “**DOWN**” buttons to choose between *on* or *OFF*. Press the “**ENTER**” button to confirm the setting.

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

### Master/slave mode:

To set the master unit, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to select one of the program modes.

To set the other units in slave mode, press the “**MENU**” button and use the “**UP**” and “**DOWN**” buttons to show *SLAV* on the LED display. Press the “**ENTER**” button to confirm the setting.

The unit will now run in sequence with the master unit.

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

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

### 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 and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.



Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

Please quote:

**CABL10 – 2m**

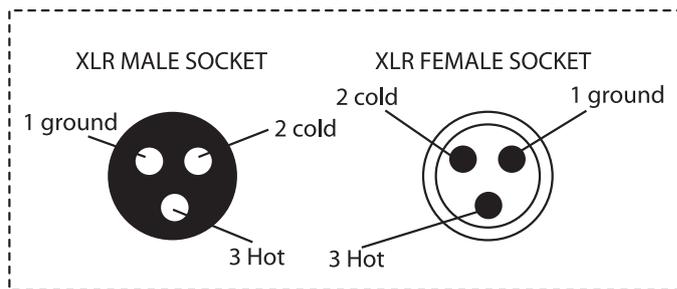
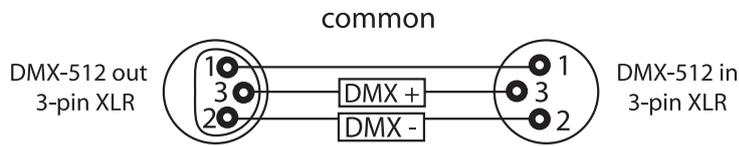
**CABL11 – 5m**

**CABL12 – 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.



XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

**Special note:**

**Line termination:**

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

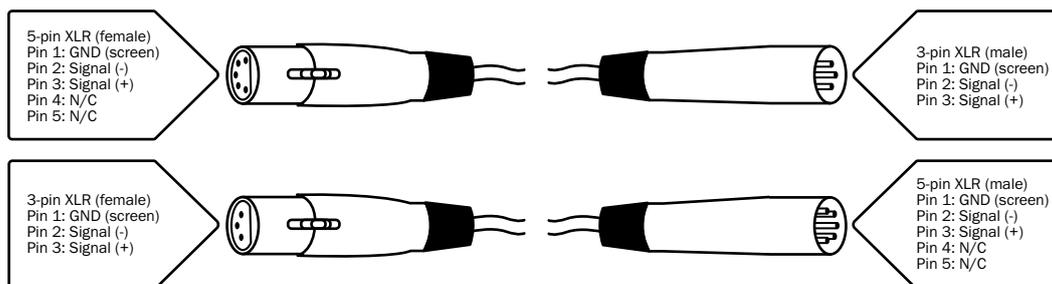
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

(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 1/4 W) 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.





### ***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.



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