

# EQUINOX

## MicroPar Bar Quad System User Manual



Order code: EQLED139

### 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 is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- This unit is not intended for fixed installation.
- 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!

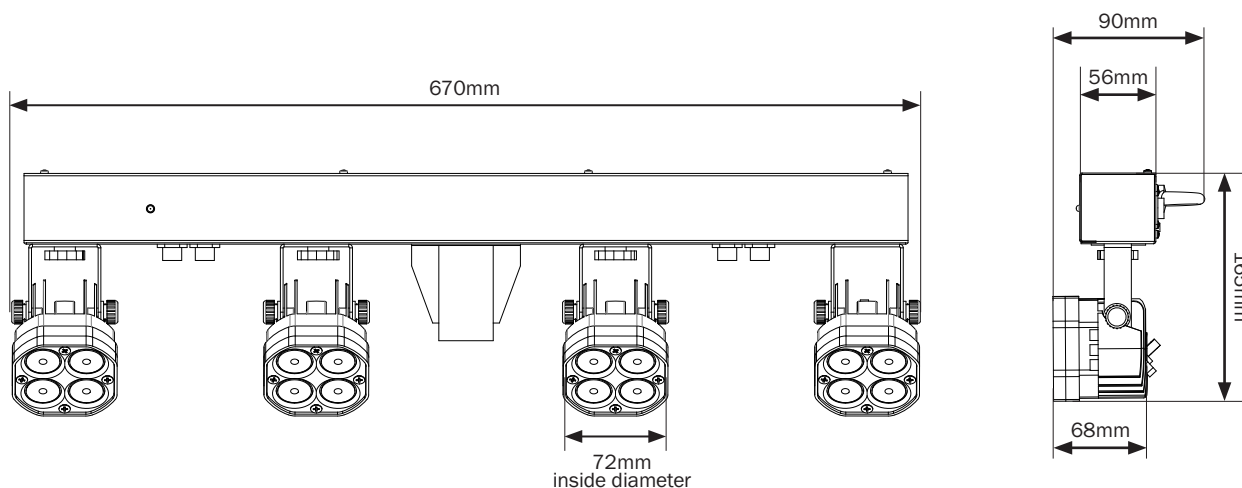
Incorrect installation or use can cause serious damage to people and/or property.

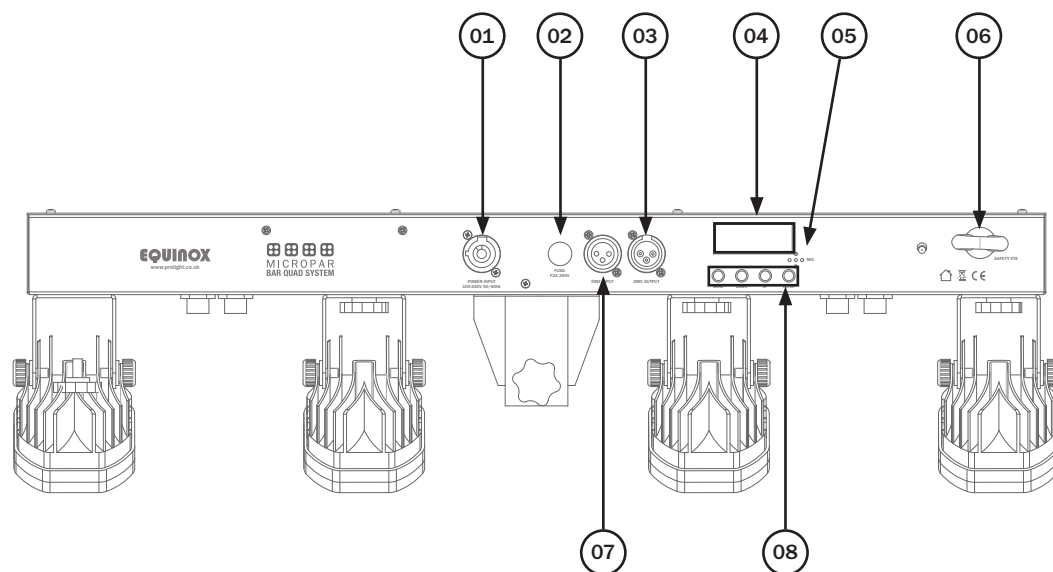
### MicroPar Bar Quad System

The compact, all-in-one Equinox MicroPar Bar Quad System includes a robust stand, road bag, IR remote and 4 multi-colour LED Pars fitted to a powered T-bar. The 4 LED Par panels are of a micro size and each feature 4 x 5W quad-colour LEDs that can flash to the music or change colour independently unlike many inferior bar systems. The user has control over colour, auto, sound active and DMX modes, via the LED display and buttons. The IR remote gives instant and simple control over several control modes.

- 4 pars each containing 4 x 5W quad-colour LEDs (RGBW)
- Beam angle: 40°
- DMX channels: 4/4/9 or 21 selectable
- Auto, sound active and Primary/Secondary modes plus built-in programs
- Each par can independently flash and change colour
- 0 - 100% dimming
- Variable strobe
- 4 button menu with LED display
- PowerTwist input
- 3-Pin XLR input/output
- Supplied with IR remote
- IR receivers on front and rear of unit
- Height adjustable stand
- Carry bag included
- Two additional M8 bolts on top of the T-Bar allow for extra fixtures to be added or clamp mounting

| Specifications             | MicroPar Bar Quad System |
|----------------------------|--------------------------|
| Power consumption          | 80W                      |
| Power supply               | 100~240V, 50/60Hz        |
| Fuse                       | F2A 250V                 |
| Stand height               | 1440-2084mm              |
| Dimensions (without stand) | 165 x 670 x 90mm         |
| Weight                     | 6.3kg                    |
| Order code                 | EQLED139                 |

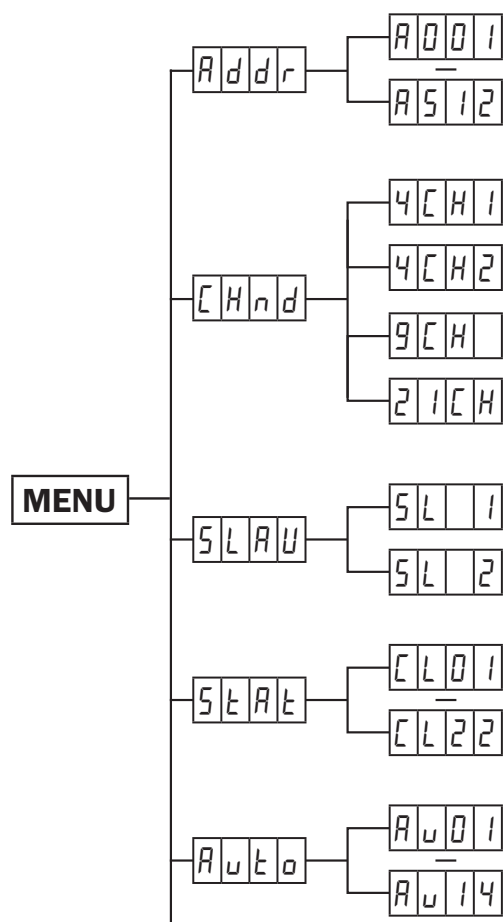




- 01 - PowerTwist input
- 02 - Fuse F2A 250V
- 03 - DMX output
- 04 - LED display
- 05 - Microphone
- 06 - Safety eye
- 07 - DMX output
- 08 - Function buttons

In the box: 1 x fixture,  
1 x carry bag,  
1 x stand & bag,  
1 x IR remote &  
1 x power cable

## Operating instructions



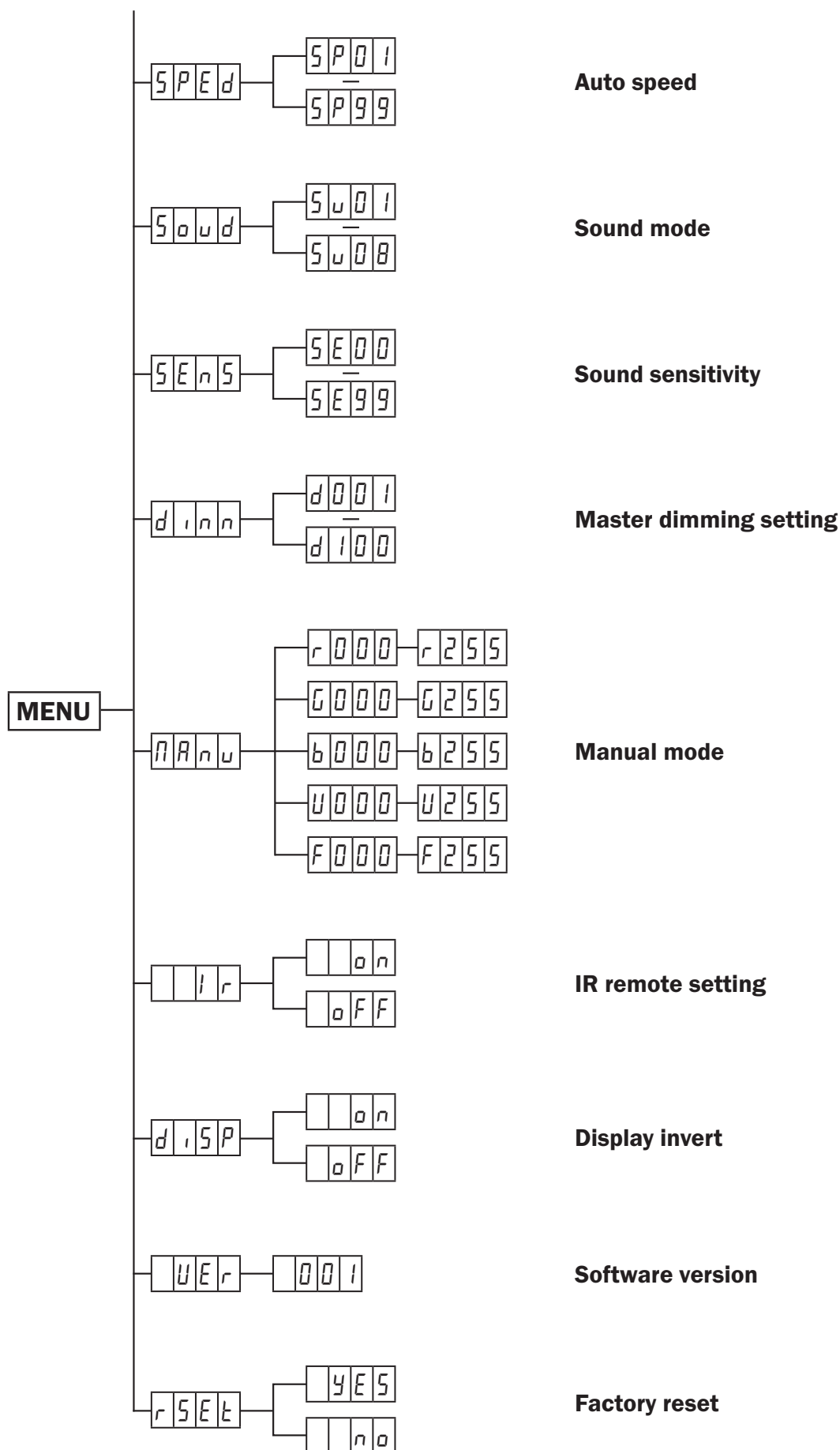
**DMX address setting**

**DMX channel modes**

**Primary/secondary mode**

**Static colours**

**Auto mode**



### 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 to show *Addr* 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.

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

### DMX channel mode:

To access the DMX channel mode, press the **"MENU"** button and use the **"UP"** and **"DOWN"** buttons to show *Chnd* on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 4, 4, 9 or 21 DMX channel modes. Press the **"ENTER"** button to confirm the setting. To exit out of any of the above options, press the **"MENU"** button.

### Channel modes:

| Channel |      |     |      | Value                  | Function              |
|---------|------|-----|------|------------------------|-----------------------|
| 4CH1    | 4CH2 | CH9 | CH21 |                        |                       |
| -       | CH1  | CH3 | -    | 000-255                | Red dimmer (0-100%)   |
| -       | CH2  | CH4 | -    | 000-255                | Green dimmer (0-100%) |
| -       | CH3  | CH5 | -    | 000-255                | Blue dimmer (0-100%)  |
| -       | CH4  | CH6 | -    | 000-255                | White dimmer (0-100%) |
| CH1     | -    | CH7 | CH1  | <b>Auto/Sound mode</b> |                       |
|         |      |     |      | 000-009                | No function           |
|         |      |     |      | 010-019                | Auto mode 1           |
|         |      |     |      | 020-029                | Auto Mode 2           |
|         |      |     |      | 030-039                | Auto Mode 3           |
|         |      |     |      | 040-049                | Auto Mode 4           |
|         |      |     |      | 050-059                | Auto Mode 5           |
|         |      |     |      | 060-069                | Auto Mode 6           |
|         |      |     |      | 070-079                | Auto Mode 7           |
|         |      |     |      | 080-089                | Auto Mode 8           |
|         |      |     |      | 090-099                | Auto Mode 9           |
|         |      |     |      | 100-109                | Auto Mode 10          |
|         |      |     |      | 110-119                | Auto Mode 11          |
|         |      |     |      | 120-129                | Auto Mode 12          |
|         |      |     |      | 130-139                | Auto Mode 13          |
|         |      |     |      | 140-149                | Auto Mode 14          |
|         |      |     |      | 150-159                | Sound Mode 1          |
|         |      |     |      | 160-169                | Sound Mode 2          |
|         |      |     |      | 170-179                | Sound Mode 3          |

### Channel modes (cont.):

| Channel |      |     |      | Value         | Function                   |
|---------|------|-----|------|---------------|----------------------------|
| 4CH1    | 4CH2 | CH9 | CH21 |               |                            |
| CH1     | -    | CH7 | CH1  | 180-189       | Sound Mode 4               |
|         |      |     |      | 190-199       | Sound Mode 5               |
|         |      |     |      | 200-209       | Sound Mode 6               |
|         |      |     |      | 210-219       | Sound Mode 7               |
|         |      |     |      | 220-255       | Sound Mode 8               |
| CH2     | -    | CH8 | CH2  | 000-255       | Auto Speed (slow-fast)     |
| CH3     | -    | CH9 | CH3  | 000           | No function                |
|         |      |     |      | 001-255       | Sound Sensivity (low-high) |
| CH4     | -    | CH1 | CH4  | 000-255       | Master dimmer (0-100%)     |
| -       | -    | CH2 | CH5  | <b>Strobe</b> |                            |
|         |      |     |      | 000-009       | No funcion                 |
|         |      |     |      | 010-255       | Strobe Speed (slow-fast)   |
| -       | -    | -   | CH6  | 000-255       | Red dimmer (0-100%)        |
| -       | -    | -   | CH7  | 000-255       | Green dimmer (0-100%)      |
| -       | -    | -   | CH8  | 000-255       | Blue dimmer (0-100%)       |
| -       | -    | -   | CH9  | 000-255       | White dimmer (0-100%)      |
| -       | -    | -   | CH10 | 000-255       | Red dimmer (0-100%)        |
| -       | -    | -   | CH11 | 000-255       | Green dimmer (0-100%)      |
| -       | -    | -   | CH12 | 000-255       | Blue dimmer (0-100%)       |
| -       | -    | -   | CH13 | 000-255       | White dimmer (0-100%)      |
| -       | -    | -   | CH14 | 000-255       | Red dimmer (0-100%)        |
| -       | -    | -   | CH15 | 000-255       | Green dimmer (0-100%)      |
| -       | -    | -   | CH16 | 000-255       | Blue dimmer (0-100%)       |
| -       | -    | -   | CH17 | 000-255       | White dimmer (0-100%)      |
| -       | -    | -   | CH18 | 000-255       | Red dimmer (0-100%)        |
| -       | -    | -   | CH19 | 000-255       | Green dimmer (0-100%)      |
| -       | -    | -   | CH20 | 000-255       | Blue dimmer (0-100%)       |
| -       | -    | -   | CH21 | 000-255       | White dimmer (0-100%)      |

### Primary/Secondary mode:

To set the primary unit select your desired program (auto, sound, static colour or manual).

To set the other units in secondary mode, press the “MENU” button to show *SL AL* on the LED display.

Press the “ENTER” button to confirm the setting. Use the “UP” and “DOWN” buttons to select

*SL 1* (copies primary) or *SL 2* (reverse direction). The unit will now run in sequence with the primary unit. To exit out of any of the above options, press the “MENU” button.

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

### Static colour mode:

To set the unit in colour selection mode “MENU” until the display shows *SL AL* on the LED display.

Press the “ENTER” button to confirm the settings. Use the “UP” and “DOWN” buttons to select and

press the “ENTER” button to confirm the desired colour.

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| <i>CL 01</i> - Red         | <i>CL 09</i> - Magenta     | <i>CL 17</i> - White (RGB) |
| <i>CL 02</i> - Green       | <i>CL 10</i> - Pink        | <i>CL 18</i> - Sky Blue    |
| <i>CL 03</i> - Blue        | <i>CL 11</i> - Lawn Green  | <i>CL 19</i> - Warm White  |
| <i>CL 04</i> - White       | <i>CL 12</i> - Light Green | <i>CL 20</i> - Dark Pink   |
| <i>CL 05</i> - Orange      | <i>CL 13</i> - Lavender    | <i>CL 21</i> - Baby Blue   |
| <i>CL 06</i> - Yellow      | <i>CL 14</i> - Fuschia     | <i>CL 22</i> - Cool White  |
| <i>CL 07</i> - Lime        | <i>CL 15</i> - Purple      |                            |
| <i>CL 08</i> - Medium Blue | <i>CL 16</i> - Pale Pink   |                            |

### Auto mode:

To access the auto modes, press the “MENU” button and use the “UP” and “DOWN” buttons to show

*AL AL* on the LED display. Now press the “ENTER” button and use the “UP” and “DOWN” buttons to choose between *AL 01* - *AL 14*. Press the “ENTER” button to confirm the setting.

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

### Auto speed mode:

To access the auto speed 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 choose between *SP 01* - *SP 99*. Press the “ENTER” button to confirm the setting.

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



### Sound active mode:

To access the sound active 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 between *S001* - *S008*. Press the “ENTER” button to confirm the setting.

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

### Sound sensitivity:

To adjust the sound sensitivity, 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 choose between *SE00* - *SE99*. Press the “ENTER” button to confirm the setting.

Value: 00 - 99 (00 = low, 99 = high)

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

### Manual mode:

To access manual mode, press the “MENU” button on the rear of the unit to show *MANU* on the LED display. Use the “UP” and “DOWN” buttons to choose between *r000* - *r255* (Red). Repeat for *G* (Green), *b* (Blue) and *U* (White). Press the “ENTER” button to confirm the setting and use the “UP” and “DOWN” buttons to choose the strobe speed between *F000* - *F255* (Strobe).

Finally press the “ENTER” button to confirm the setting.

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

### IR remote setting:

To access IR remote setting, press the “MENU” button on the rear of the unit to show *IR* on the LED display. Use the “UP” and “DOWN” buttons to choose between *0n* and *0FF*. Press the “ENTER” button to confirm the setting.

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

### Display invert:

To access the display invert setting, press the “MENU” button on the rear of the unit to show *dISP* on the LED display. Use the “UP” and “DOWN” buttons to choose between *0n* and *0FF*. Press the “ENTER” button to confirm the setting.

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

### Factory reset:

To access the factory reset, press the “MENU” button on the rear of the unit to show *rSEL* on the LED display. Use the “UP” and “DOWN” buttons to choose between *YES* and *no*. Press the “ENTER” button to confirm the setting.

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

### IR remote functions:

01 - Sets the unit into blackout off (LED on)

02 - Sets the unit into blackout on (LED off)

03 - Sets the static colour (see chart key for colours)

|            |                |                 |
|------------|----------------|-----------------|
| A - Red    | E - Lime Green | I - Magenta     |
| B - Green  | F - Pink       | J - Yellow      |
| C - Blue   | G - Amber      | K - Purple/Blue |
| D - Orange | H - Cyan       | L - White       |

Runs the built-in programs, use the '+' and '-' buttons to go through the programs and then the 'Speed' button followed by the '+' and '-' buttons to adjust the program speed

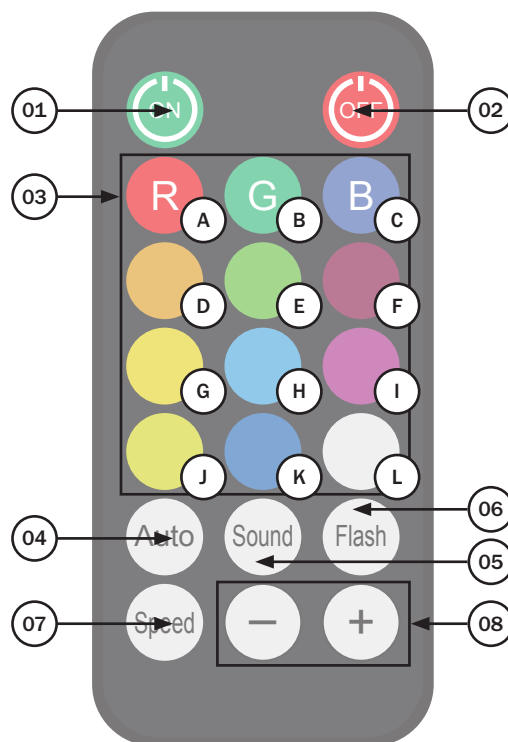
04 - Runs the 'Auto' programs, use the '+' and '-' buttons to go through the programs

05 - Runs the 'Sound' programs, use the '+' and '-' buttons to go through the programs

06 - No function

07 - Press this and then use the '+' and '-' buttons to adjust the auto program speed

08 - Adjusts the speed of auto programs and brightness of static colours.



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



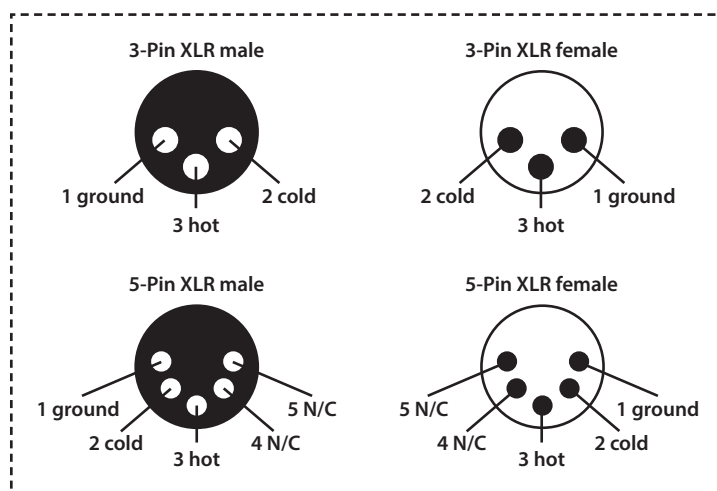
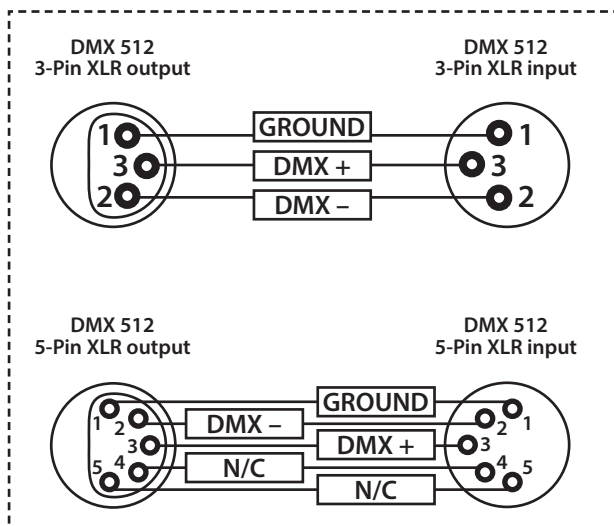
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.  
Please quote: 3-Pin: **CABL10 – 2m** **CABL11 – 5m** **CABL12 – 10m**

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 |



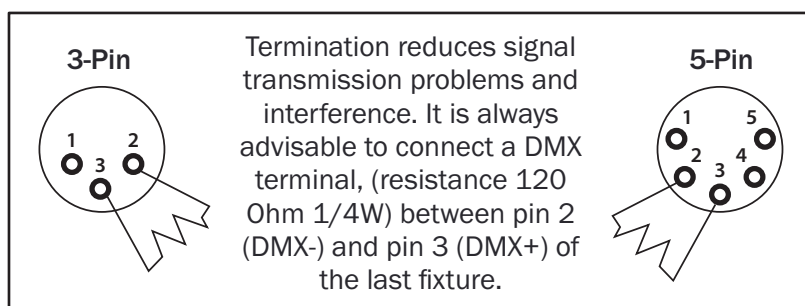
### Line termination:

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.

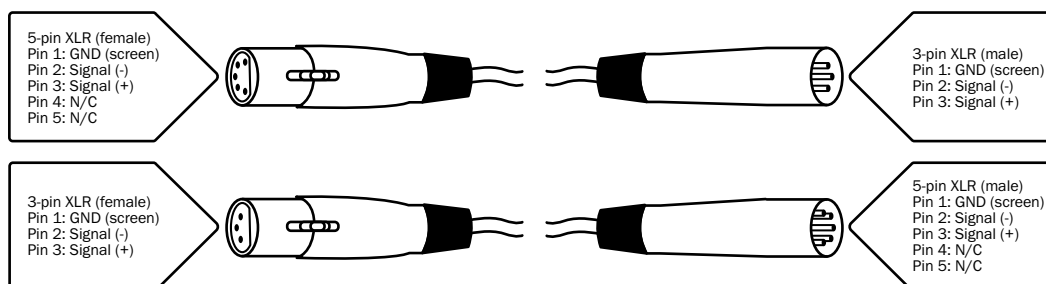
(3-pin - Order ref: CABL90,

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.





***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.

