

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.

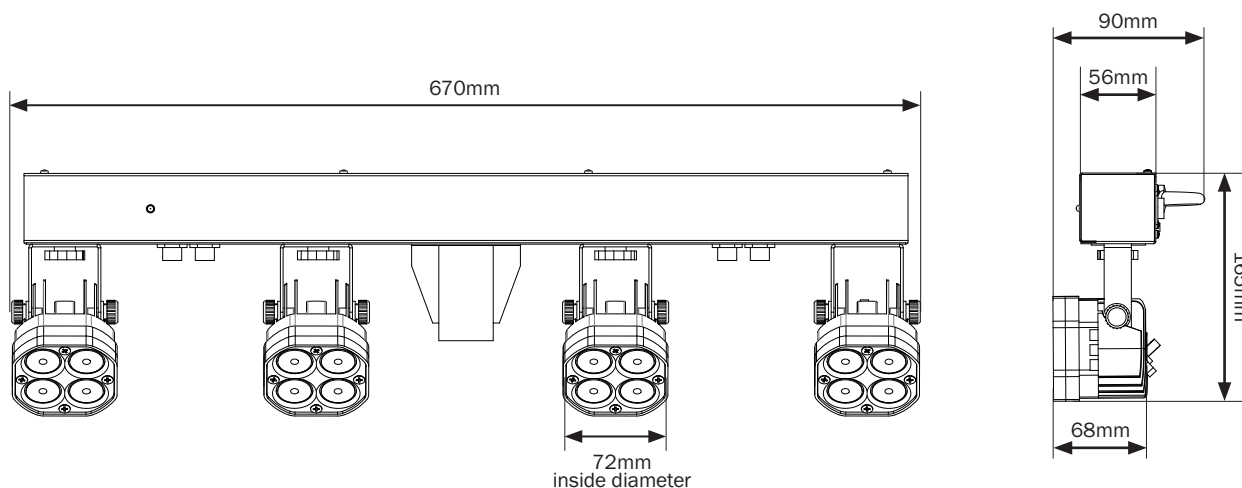
MicroPar Bar Quad System

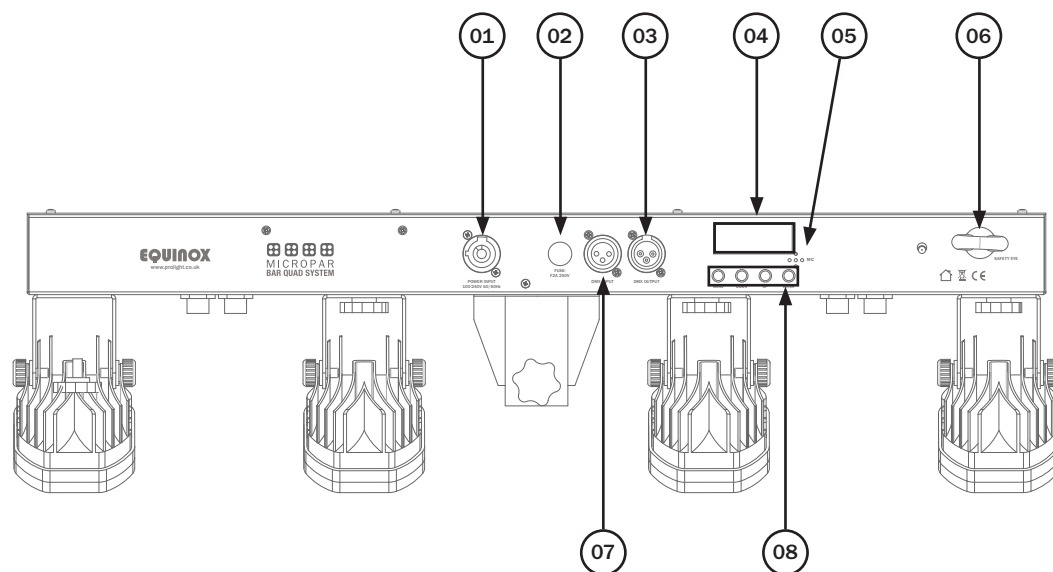
The compact, all-in-one Equinox MicroPar Bar Quad System includes a robust stand, road bag, IR remote and 4 multi-colour LED Pars fitted to a powered T-bar. The 4 LED Par panels are of a micro size and each feature 4 x 5W quad-colour LEDs that can flash to the music or change colour independently unlike 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/output
- 3-Pin XLR input/output
- Supplied with IR remote
- Height adjustable stand
- Carry bag included
- Two additional M8 bolts on top of the T-Bar allow for extra fixtures to be added



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

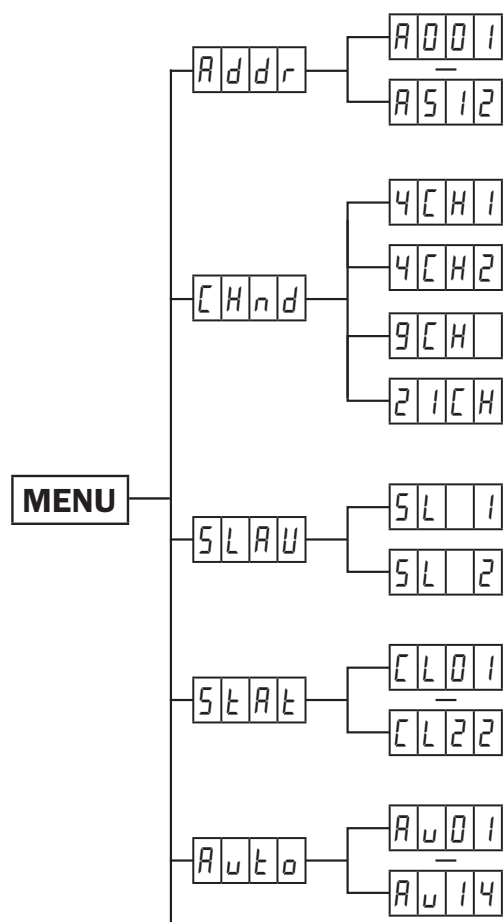




- 01 - PowerTwist input
- 02 - Fuse F2A 250V
- 03 - DMX output
- 04 - LED display
- 05 - Microphone
- 06 - Safety eye
- 07 - DMX output
- 08 - Function buttons

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

Operating instructions



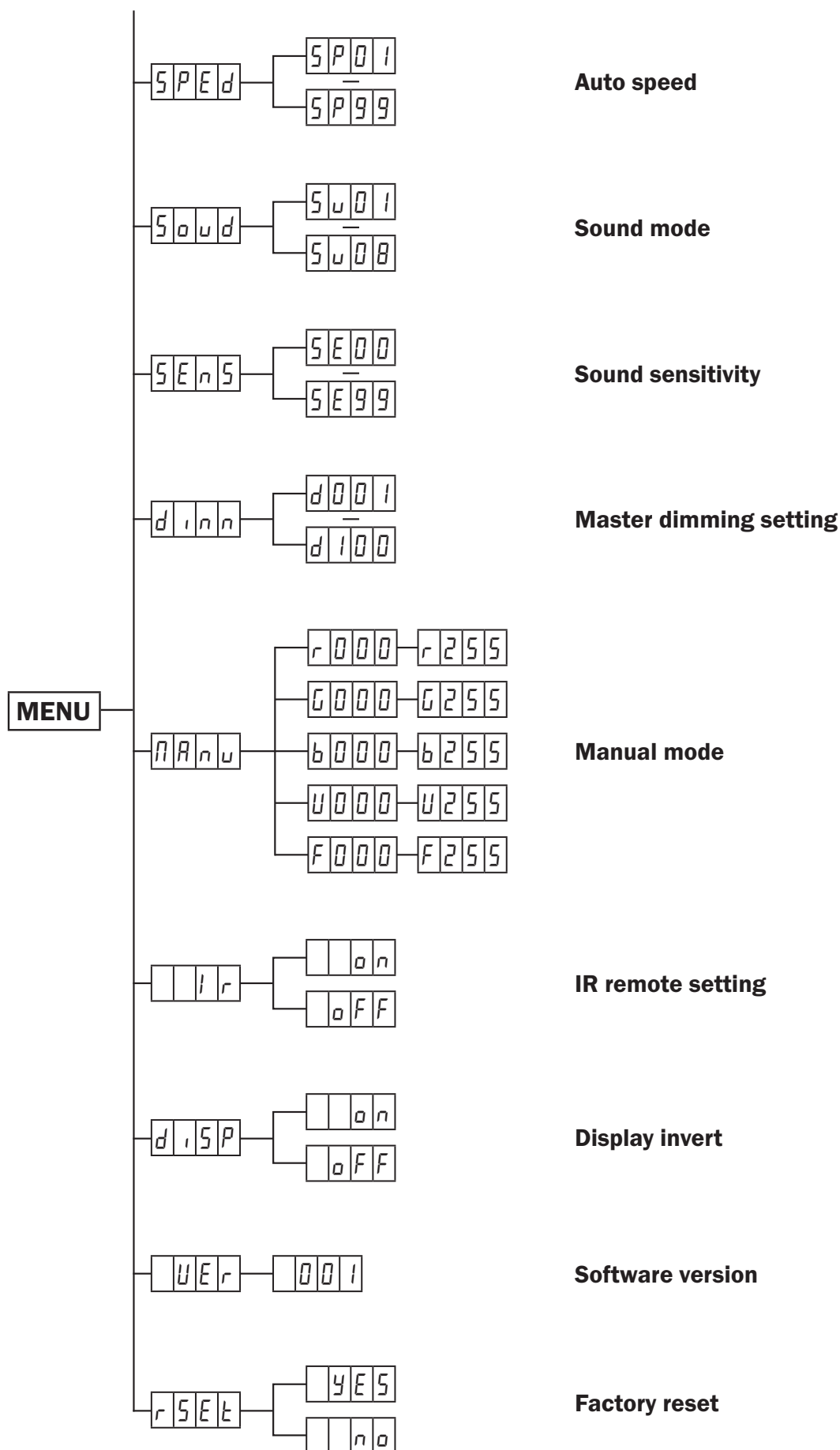
DMX address setting

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	Auto/Sound mode	
				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 1-13
				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 1-7
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	Strobe	
				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> - Cyan	<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> - Fusia	<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 *on* and *off*. 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

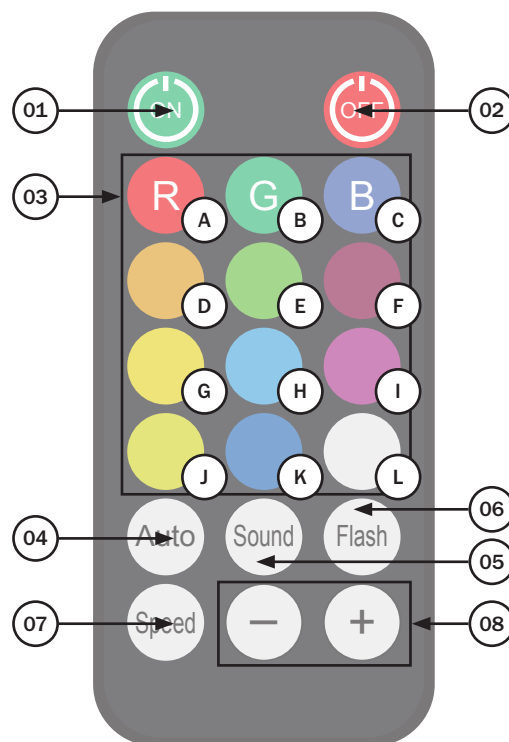
Runs the built-in programs, use the '+' and '-' buttons to go through the programs and then the 'Speed' button followed by the '+' and '-' buttons to adjust the program speed

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

05 - No function

06 - Sets the built in program speed. Press this button followed by the '+' and '-' buttons to adjust the program speed

07 - Adjusts the speed of the built-in programs for static colour.



Display invert:

To access the display invert setting, press the “MENU” button on the rear of the unit to show *d,SP* on the LED display. Use the “UP” and “DOWN” buttons to choose between *on* and *off*. 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 *rSEt* 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.

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.



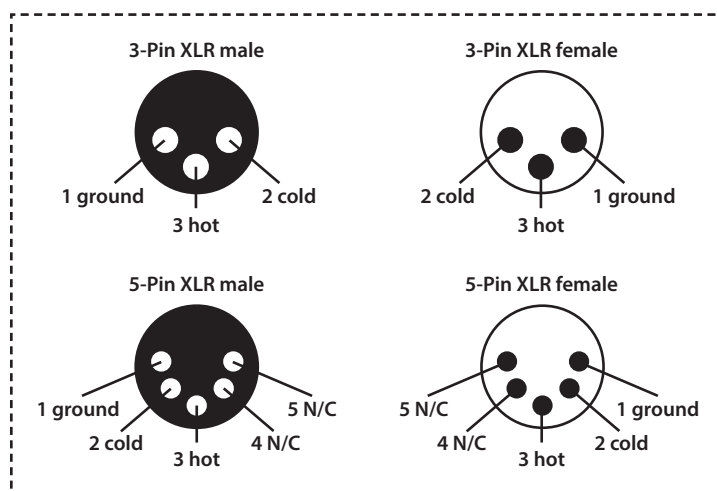
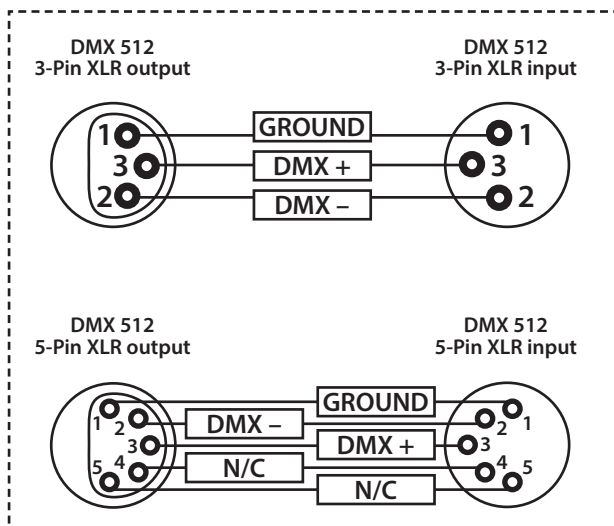
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
Please quote: 3-Pin: **CABL10 – 2m** **CABL11 – 5m** **CABL12 – 10m**

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



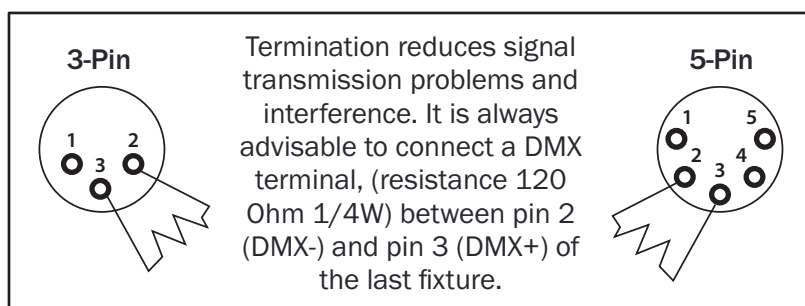
Line termination:

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.

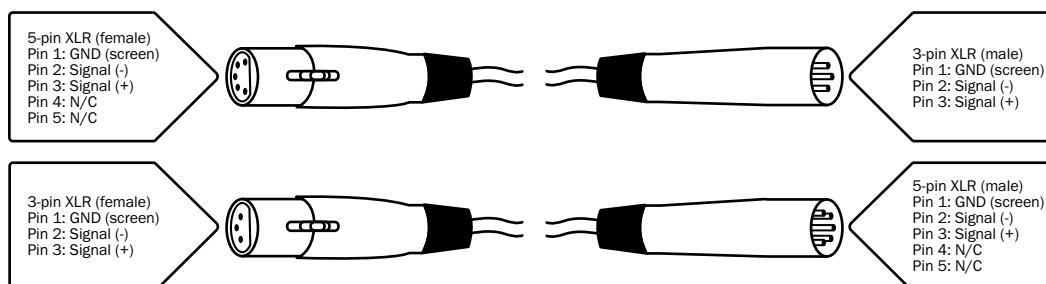
(3-pin - Order ref: CABL90,

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.

