EQUINOX

MoonPar

User Manual

Order code: EQLED044

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.

MoonPar

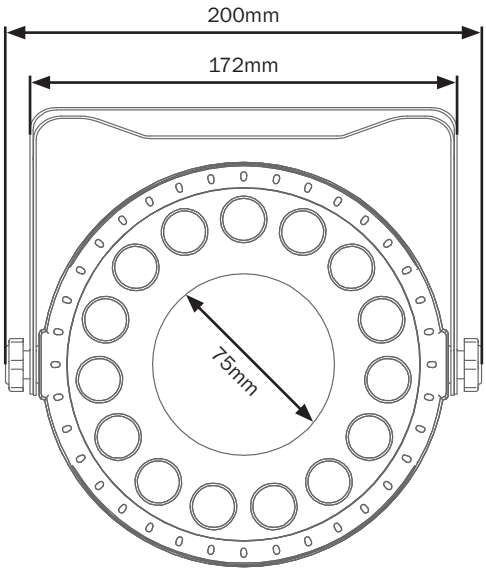
The MoonPar projects a wide array of multicoloured beams of light that rotate and twist around the room. 15 tri-colour LEDs sit in circle around the front of the unit adding a coloured wash effect for an extra dimension. Control is facilitated via the 4 push button menu on the rear, to select between DMX, auto or sound modes plus the built-in programs.

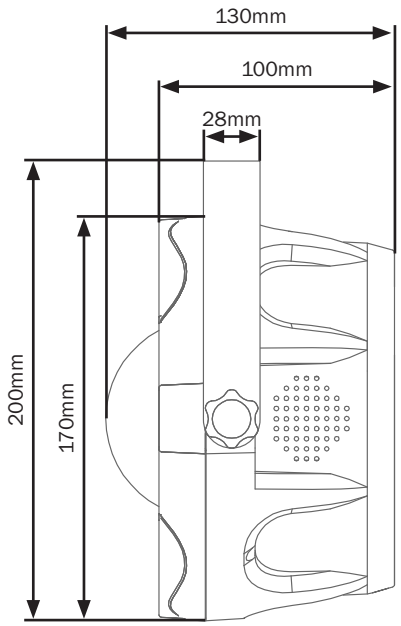
- 15 x 1W tri-colour LEDs (RGB)
- 4 x 3W LEDs - centre dome (R: 1, G: 1, B: 1, A: 1)
- Beam angle: 25°
- DMX channels: 12
- Auto, sound active and master/slave modes plus built-in programs
- 0-100% dimming and variable strobe
- 4 push button menu with LED display
- IEC power input
- 3-Pin XLR input/output
- Fan cooled

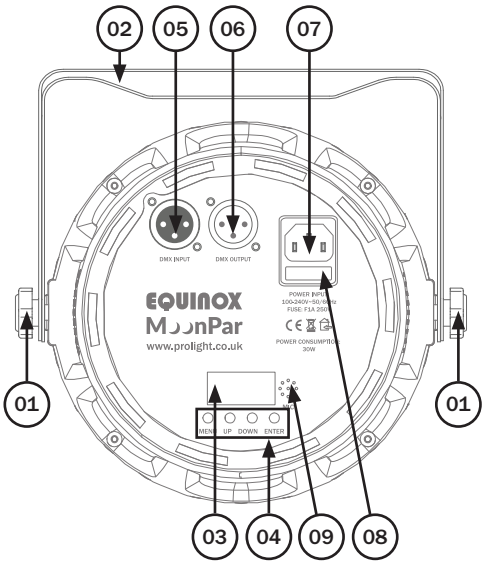
Specifications	
Power consumption	30W
Power supply	100~240V, 50/60Hz
Fuse	F1A 250V
Dimensions	200 x 200 x 130mm
Weight	0.7kg
Order code	EQLED044

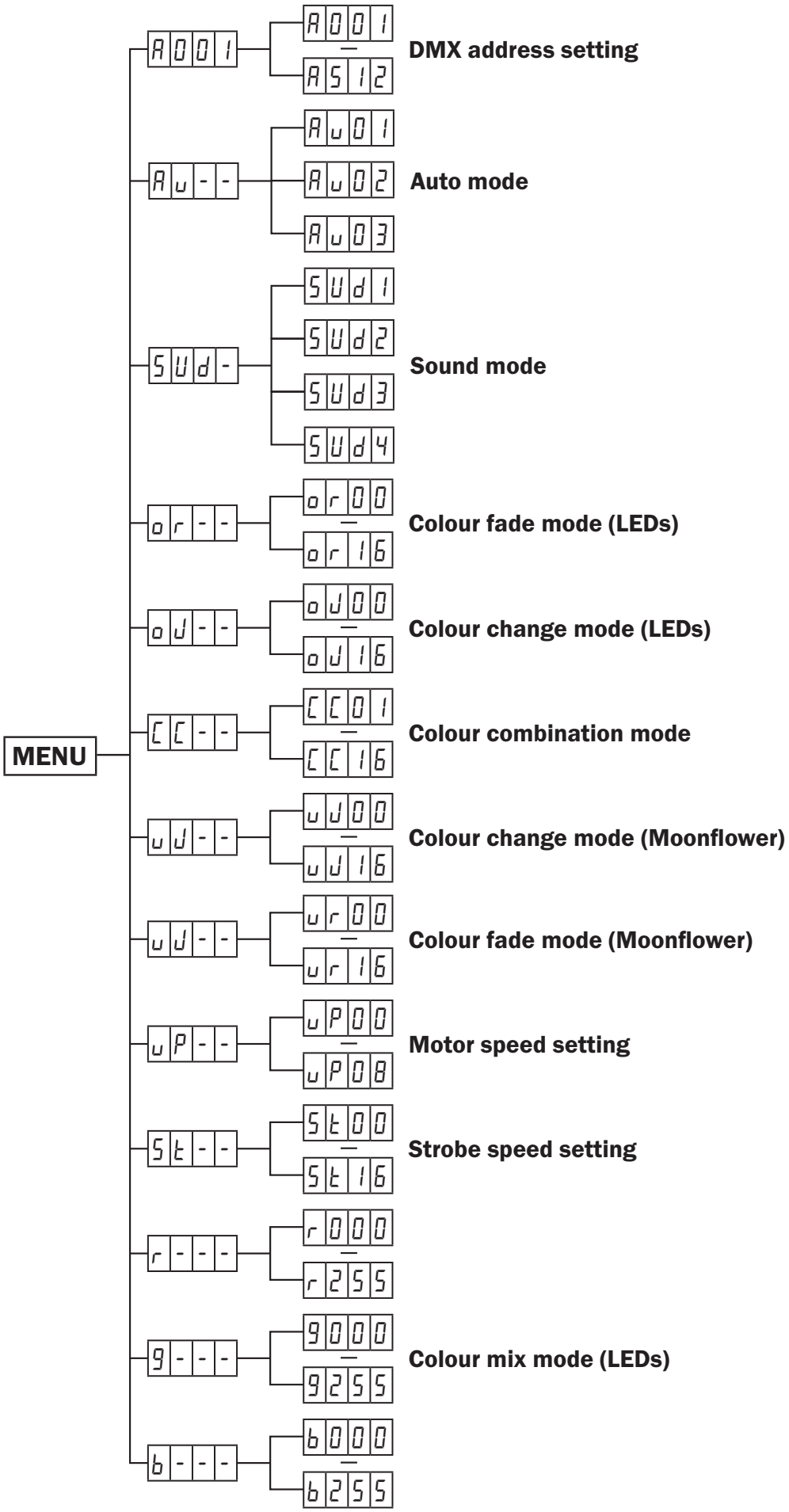
In the box:
1 x fixture,
1 x mounting bracket and adjustable knobs,
1 x power cable
& 1 x user manual

01 - Bracket tightening knobs
02 - Bracket
03 - LED display
04 - Function buttons
05 - 3-Pin XLR input
06 - 3-Pin XLR output
07 - IEC power input
08 - Fuse F1A 250V
09 - Microphone








MENU
A001
A001
A512
DMX address setting
Au--
Au01
Au02
Au03
Auto mode
SUd-
SUd1
SUd2
SUd3
SUd4
Sound mode
or--
or00
or16
Colour fade mode (LEDs)
oJ--
oJ00
oJ16
Colour change mode (LEDs)
CC--
CC01
CC16
Colour combination mode
uJ--
uJ00
uJ16
Colour change mode (Moonflower)
ur--
ur00
ur16
Colour fade mode (Moonflower)
uP--
uP00
uP08
Motor speed setting
St--
St00
St16
Strobe speed setting
r---
r000
r255
9---
9000
9255
Colour mix mode (LEDs)
b---
b000
b255

DMX mode:

To access the DMX address mode, press the "**MENU**" button to show A001 on the LED display. 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. The display will show SAVE on the LED display once the setting has been saved. To exit out of any of the above options, press the "**MENU**" button.

12 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Red dimmer LEDs (0-100%)
3	000-255	Green dimmer LEDs (0-100%)
4	000-255	Blue dimmer LEDs (0-100%)
5	000-255	Green dimmer moonflower (0-100%)
6	000-255	Red dimmer moonflower (0-100%)
7	000-255	Amber dimmer moonflower (0-100%)
8	000-255	Blue dimmer moonflower (0-100%)
9	000-255	Strobe (slow-fast)
10	000-050	No function
	051-150	Static colours
	151-200	Colour change mode (LEDs)
	201-250	Colour fade mode (LEDs)
	251-255	Sound mode (LEDs)
11	000-050	No function
	051-150	Static colours/patterns
	151-200	Colour change mode (moonflower)
	201-250	Colour fade mode (moonflower)
	251-255	Sound mode (moonflower)
12	000-255	Motor speed (slow-fast)

Auto modes:

To access the auto modes, press the "**MENU**" button to show Au-- on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required auto mode Au01~Au03. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Sound mode:

To access the sound modes, press the "**MENU**" button to show Sud- on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required auto mode Sud1~Sud4. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Colour fade mode (LEDs):

To access the colour fade mode (LEDs), press the "**MENU**" button to show or-- on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required speed between or00~or16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Colour change mode (LEDs):

To access the colour change mode (LEDs), press the "**MENU**" button to show oJ-- on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required speed between oJ00~oJ16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Colour combination mode:

To access the colour combination mode press "**MENU**" until CC-- shows on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required colour combination between CC01~CC16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Value	Colour
CC01	Moonflower Full On
CC02	LEDs Red, Moonflower Green
CC03	LEDs Red, Moonflower Red
CC04	LEDs Green, Moonflower Red
CC05	LEDs Green, Moonflower Blue
CC06	LEDs Blue, Moonflower Red & Green
CC07	LEDs Green, Moonflower Green & Blue
CC08	LEDs Yellow, Moonflower Blue & Amber

Value	Colour
CC09	LEDs Yellow, Moonflower Red & Amber
CC10	LEDs Pink, Moonflower Red & Green
CC11	LEDs Pink, Moonflower Green & Amber
CC12	LEDs Cyan, Moonflower Red, Green & Blue
CC13	LEDs Cyan, Moonflower Green, Blue & Amber
CC14	LEDs White, Moonflower Red, Green & Amber
CC15	LEDs White, Moonflower Red, Blue & Amber
CC16	Moonflower Full On

Colour change mode (Moonflower):

To access the colour change mode (Moonflower), press the "**MENU**" button to show uJ-- on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required speed between uJ00 ~ uJ 16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Colour fade mode (Moonflower):

To access the colour fade mode (Moonflower), press the "**MENU**" button to show ur-- on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required speed between ur00 ~ ur 16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Motor speed setting:

To access the motor speed setting, press the "**MENU**" button to show uP-- on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required speed between uP00 ~ uP08. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Strobe speed setting:

To access the strobe speed setting, press the "**MENU**" button to show St-- on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose the required strobe speed between St00 ~ St 16. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
To exit out of any of the above options, press the "**MENU**" button.

Colour mix mode (LEDs):

To access the colour mix mode press "**MENU**" until r--- shows on the LED display.
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the brightness between r000 ~ r255. Press the "**ENTER**" button to confirm the setting.
The display will show SAVE on the LED display once the setting has been saved.
Press the "**MENU**" button and repeat for green (9) and blue (b).

Value: 000 - 255 (000 = low brightness, 255 = high brightness)

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 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.

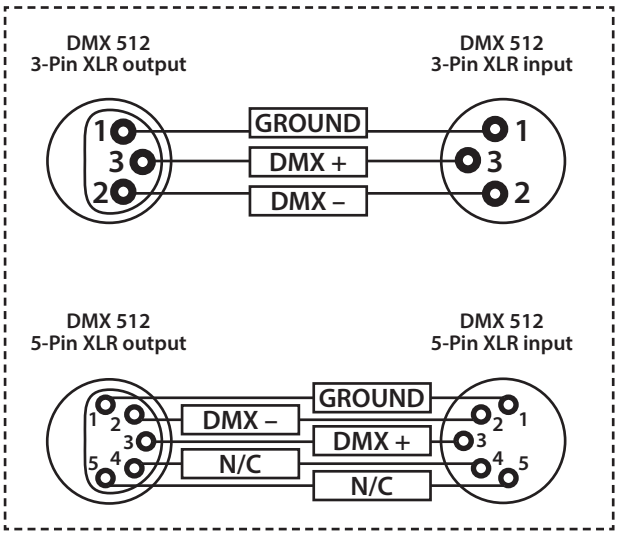
Please quote:	3-Pin:	**CABL10 – 2m**	**CABL11 – 5m**	**CABL12 – 10m**
	5-Pin:	**CABL185 – 2m**	**CABL187 – 5m**	**CABL188 – 10m**

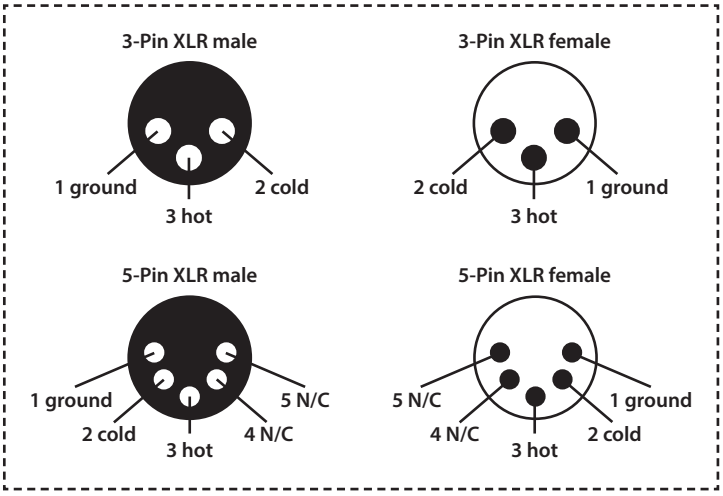
Also remember that DMX cable must be daisy chained and cannot be split.

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

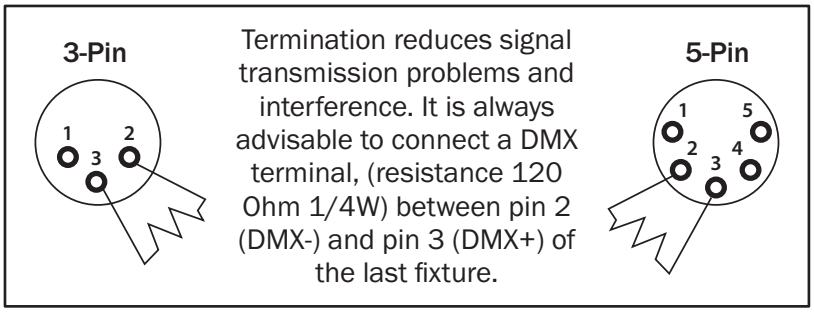




Line termination:

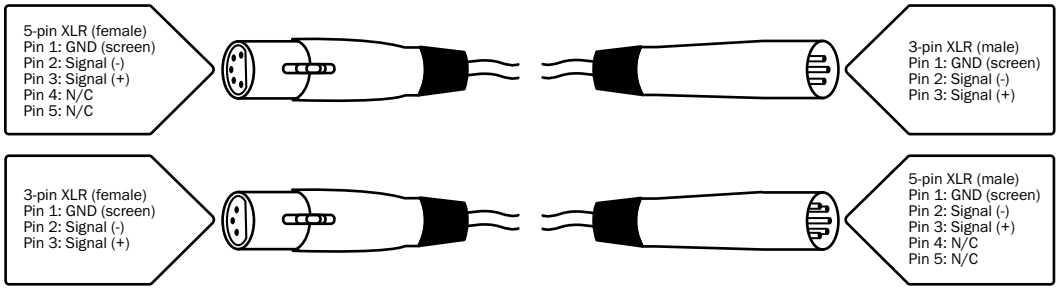
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.
(3-pin - Order ref: CABL90,
5-pin - Order ref: CABL89)



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.



IR remote functions:

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

02 - One press activates the sound modes, use the 'UP' and 'DOWN' buttons to select the sound mode.
The second press activates the strobe mode, use the 'UP' and 'DOWN' buttons to select the strobe speed.

03 - Activates colour mix mode, press once and use the 'UP' and 'DOWN' buttons to select the brightness of red. Press a second time and use the 'UP' and 'DOWN' buttons to select the brightness of green. Press a third and final time and use the 'UP' and 'DOWN' buttons to select the brightness of blue.

04 - One press activates the auto modes, use the 'UP' and 'DOWN' buttons to select the auto mode.
The second press activates the colour combination mode, use the 'UP' and 'DOWN' buttons to select the required colour combination.

05 - One press activates the colour fade mode (LEDs), use the 'UP' and 'DOWN' buttons to select the speed.
One press activates the colour fade mode (Moonflower), use the 'UP' and 'DOWN' buttons to select the speed.

06 - One press activates the colour change mode (LEDs), use the 'UP' and 'DOWN' buttons to select the speed.
One press activates the colour change mode (Moonflower), use the 'UP' and 'DOWN' buttons to select the speed.

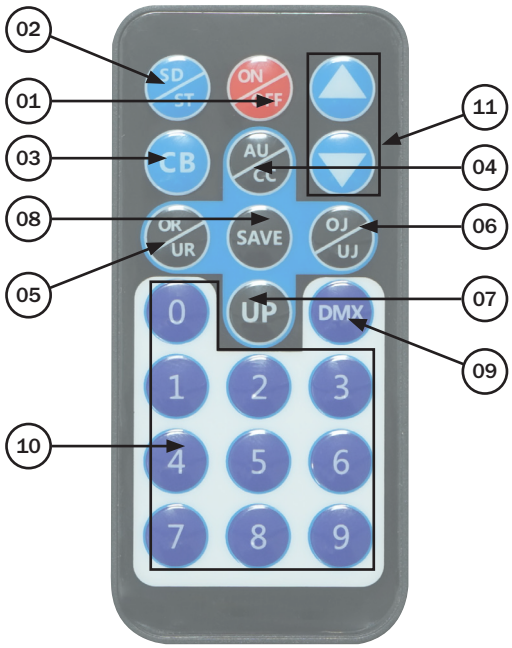
07 - Activates the motor speed setting use the 'UP' and 'DOWN' buttons to select the speed.

08 - Saves the current setting.

09 - Activates the DMX mode. Use the 'UP' and 'DOWN' buttons to adjust the DMX address or type in the address via the numbers - ie. address for address 051 you would need to press '0' followed by '5' and then '1'.

10 - Used to set the DMX address - ie. address for address 051 you would need to press '0' followed by '5' and then '1'.

Adjusts the auto mode, sound mode, colour fade mode, colour change mode, strobe and motor speeds, DMX address and colour mix brightness value



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.