EQUINOX

Aztec

User Manual

Order code: EQLED368

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.
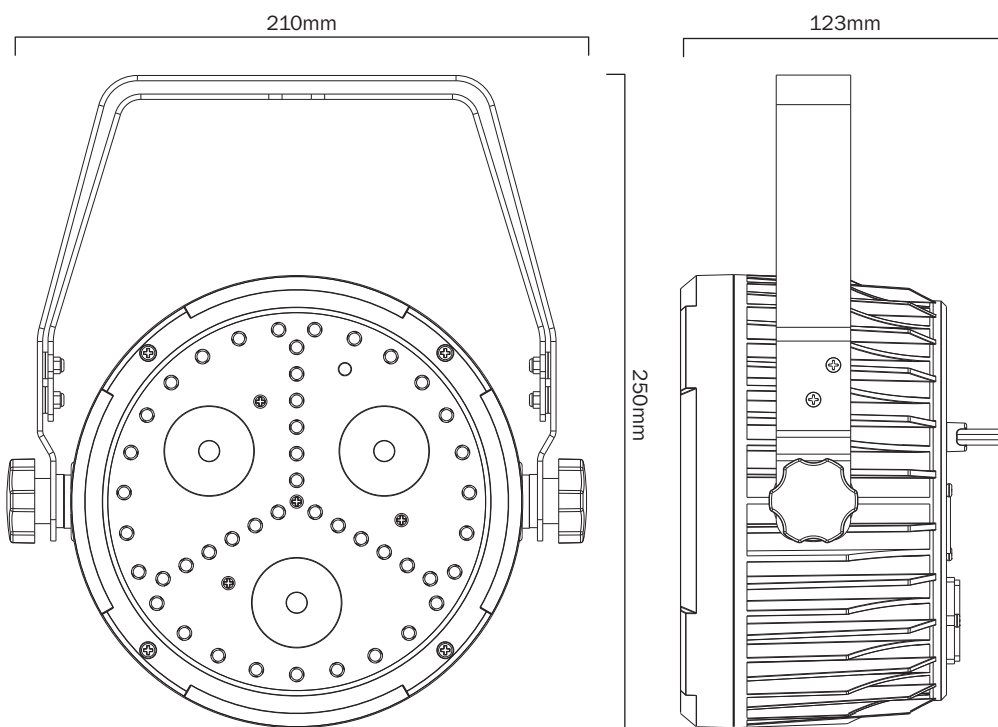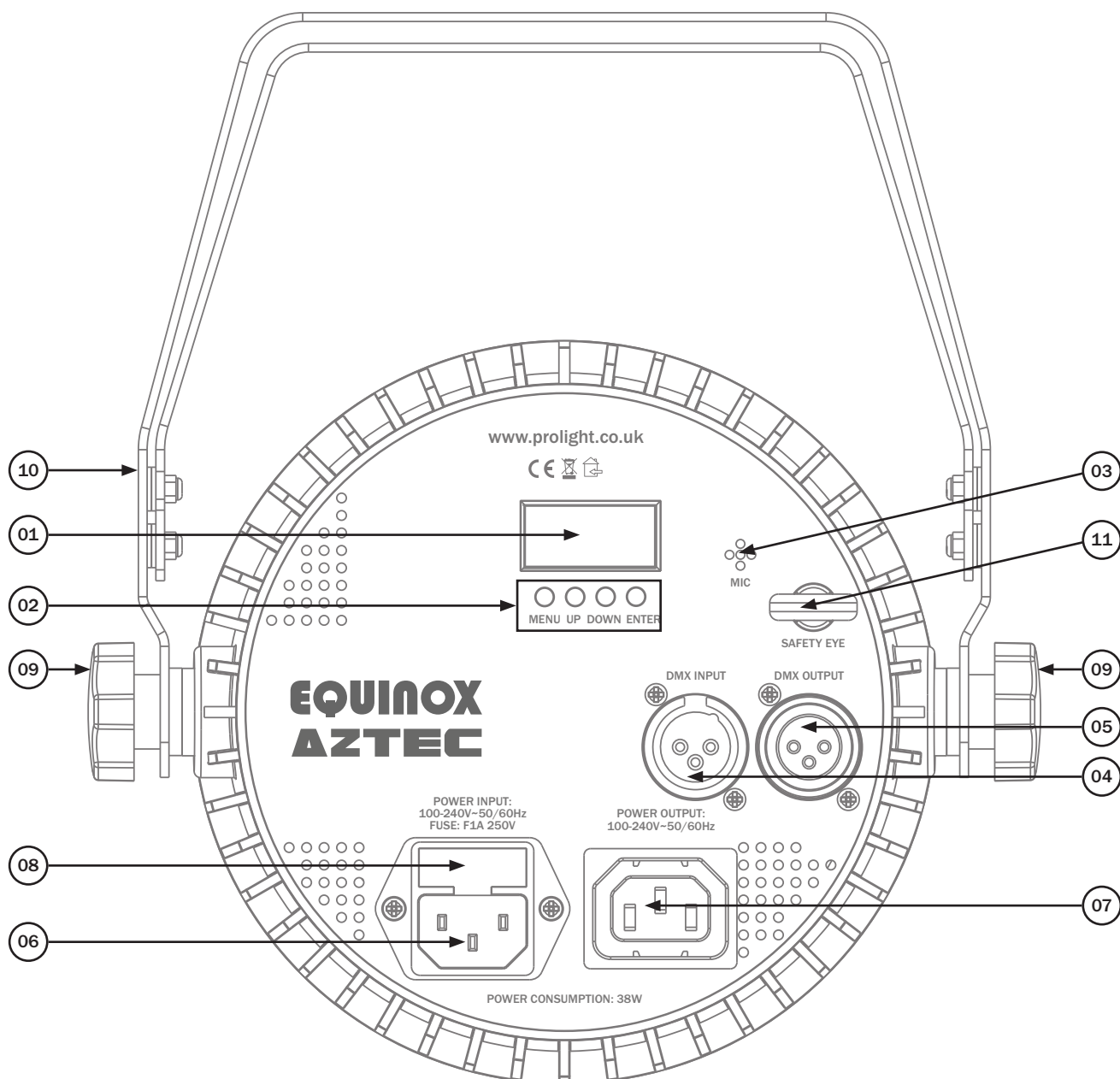
Aztec

This effect par combines multiple technologies into a single, compact lightweight housing. The three 8W RGB+UV LEDs, a tri formation of RGB SMD LEDs and a ring of white strobe SMD LEDs make for an effect like no other. The on-board menu system offers control in auto, sound activation, master/slave and DMX modes and the included IR remote allows each effect to be used independently or multiple effects to be combined.

- 3 x 8W quad-colour LEDs (RGBUV) plus 18 x 0.5W tri-colour SMD 5050 LEDs (RGB) and 27 x 0.5W white SMD 5050 LEDs
- Beam angle: 25°
- 1,003 Lux @ 2m (full on)
- DMX channels: 1/7 or 11 selectable
- 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
- Fan cooled
- Supplied with IR remote
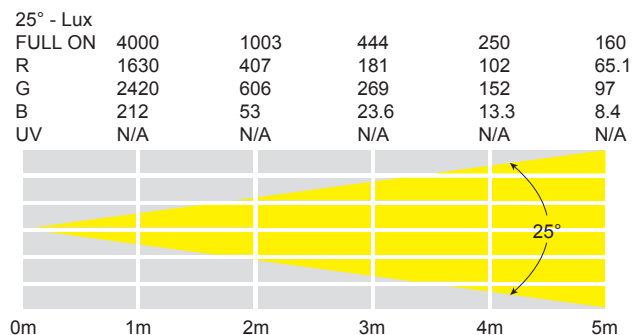
Specifications	Aztec
Power consumption	38W
Power supply	100~240V, 50/60Hz
Fuse	F1A 250V
Dimensions	250 x 210 x 123mm
Weight	1.2kg
Order codes	EQLED368

25° - Lux

FULL ON	4000	1003	444	250	160
R	1630	407	181	102	65.1
G	2420	606	269	152	97
B	212	53	23.6	13.3	8.4
UV	N/A	N/A	N/A	N/A	N/A

0m   1m   2m   3m   4m   5m

25°

210mm

123mm

250mm

www.prolight.co.uk

MIC

SAFETY EYE

DMX INPUT   DMX OUTPUT

POWER INPUT:
100-240V~50/60Hz
FUSE: F1A 250V

POWER OUTPUT:
100-240V~50/60Hz
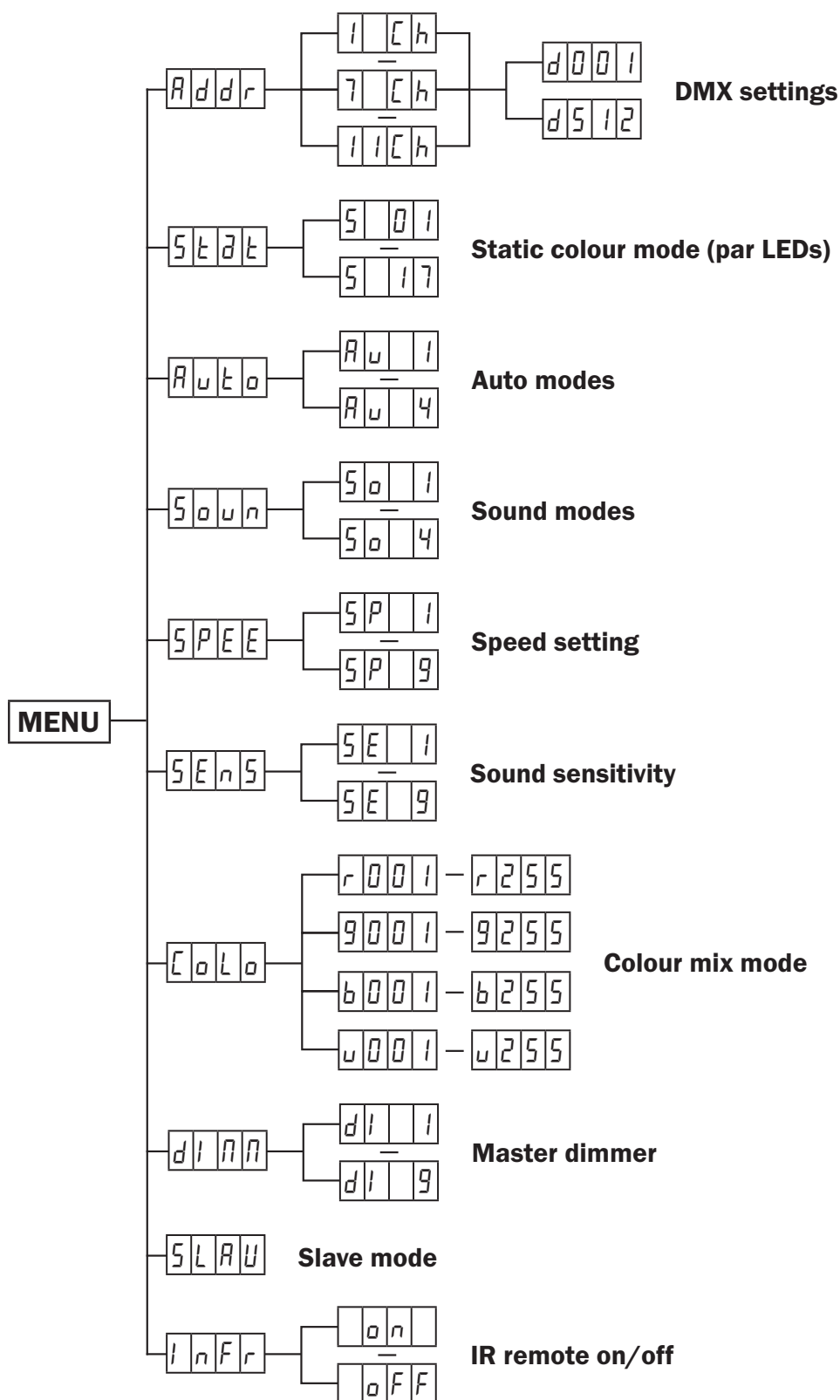
EQUINOX
AZTEC

POWER CONSUMPTION: 38W

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

05 - 3-Pin DMX output
06 - IEC power input
07 - IEC power output
08 - Fuse F1A 250V

09 - Bracket knobs
10 - Bracket
11 - Safety eye

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

MENU			
Addr	1 Ch — 7 Ch — 11Ch	d001 — d512	**DMX settings**
Stat	S 01 — S 17		**Static colour mode (par LEDs)**
Auto	Au 1 — Au 4		**Auto modes**
Soun	So 1 — So 4		**Sound modes**
SPEE	SP 1 — SP 9		**Speed setting**
SEnS	SE 1 — SE 9		**Sound sensitivity**
CoLo	r001 — r255 g001 — g255 b001 — b255 u001 — u255		**Colour mix mode**
dlNN	dl 1 — dl 9		**Master dimmer**
SLAU			**Slave mode**
InFr	on — oFF		**IR remote on/off**

<u>DMX mode:</u>

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 1/7 or 11 DMX channel modes. Press the "**ENTER**" button to confirm the setting. The display will now show *Addr* 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. To exit out of any of the above options, press the "**MENU**" button.

<u>1 channel mode:</u>

Channel	Value	Function	
CH1	000-009	No function	
	010-039	Auto mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(slow-fast)
	040-069	Auto mode 2 - Par LEDs	
	070-099	Auto mode 3 - Tri SMD LEDs + White SMD LEDs	
	100-129	Auto mode 4 - White SMD LEDs	
	130-159	Sound mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(sensitivity set in menu)
	160-189	Sound mode 2 - Par LEDs	
	190-219	Sound mode 3 - Tri SMD LEDs + White SMD LEDs	
	220-255	Sound mode 4 - White SMD LEDs	

7 channel mode:

Channel	Value	Function	
CH1	000-255	Master dimmer (0-100%)	
CH2	000-255	Strobe (slow-fast)	
CH3	000-009	No function	Par LEDs
	010-019	Red	
	020-029	Green	
	030-039	Blue	
	040-049	UV	
	050-059	Yellow	
	060-069	Magenta	
	070-079	Cyan	
	080-089	Dark Orange	
	090-099	Lime Green	
	100-109	Salmon Pink	
	110-119	Turquoise	
	120-129	Light Green	
	130-139	Orange	
	140-149	Lavender	
	150-159	Light Blue	
	160-169	Dark Blue	
	170-255	Pink	
CH4	000-009	No function	White SMD LEDs
	010-255	Strobe (slow-fast)	
CH5	000-009	No function	
	010-149	Static Patterns	
	150-255	Moving Patterns	
CH6	000-009	No function	Tri SMD LEDs
	010-029	Red	
	030-049	Green	
	050-069	Blue	
	070-089	Yellow	
	090-109	Cyan	
	110-129	Magenta	
	130-149	White	
	150-255	Moving Patterns	

Channel	Value	Function	
CH7	000-009	No function	
	010-039	Auto mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(slow-fast)
	040-069	Auto mode 2 - Par LEDs	
	070-099	Auto mode 3 - Tri SMD LEDs + White SMD LEDs	
	100-129	Auto mode 4 - White SMD LEDs	
	130-159	Sound mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(sensitivity set in menu)
	160-189	Sound mode 2 - Par LEDs	
	190-219	Sound mode 3 - Tri SMD LEDs + White SMD LEDs	
	220-255	Sound mode 4 - White SMD LEDs	

11 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	000-255	UV dimmer (0-100%)	
CH7	000-009	No function	Par LEDs
	010-019	Red	
	020-029	Green	
	030-039	Blue	
	040-049	UV	
	050-059	Yellow	
	060-069	Magenta	
	070-079	Cyan	
	080-089	Dark Orange	
	090-099	Lime Green	
	100-109	Salmon Pink	
	110-119	Turquoise	
	120-129	Light Green	
	130-139	Orange	
	140-149	Lavender	
	150-159	Light Blue	
	160-169	Dark Blue	
	170-255	Pink	
CH8	000-009	No function	White SMD LEDs
	010-255	Strobe (slow-fast)	
CH9	000-009	No function	
	010-149	Static Patterns	
	150-255	Moving Patterns	
CH10	000-009	No function	Tri SMD LEDs
	010-029	Red	
	030-049	Green	
	050-069	Blue	
	070-089	Yellow	
	090-109	Cyan	
	110-129	Magenta	
	130-149	White	
	150-255	Moving Patterns	

Channel	Value	Function	
CH11	000-009	No function	
	010-039	Auto mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(slow-fast)
	040-069	Auto mode 2 - Par LEDs	
	070-099	Auto mode 3 - Tri SMD LEDs + White SMD LEDs	
	100-129	Auto mode 4 - White SMD LEDs	
	130-159	Sound mode 1 - Par LEDs + Tri SMD LEDs + White SMD LEDs	(sens set in menu)
	160-189	Sound mode 2 - Par LEDs	
	190-219	Sound mode 3 - Tri SMD LEDs + White SMD LEDs	
	220-255	Sound mode 4 - White SMD LEDs	

Static colour mode (par LEDs):

To access the static colour mode, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show *5ᒥ∂ᒥ* on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the static colours between *5 0 1 ~ 5 17*.

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	06	Magenta	11	Turquoise	16	Dark Blue
02	Green	07	Cyan	12	Light Green	17	Pink
03	Blue	08	Dark Orange	13	Orange		
04	UV	09	Lime Green	14	Lavender		
05	Yellow	10	Salmon Pink	15	Light Blue		

Auto modes:

To access the auto modes, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show *Ruᒥo* on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the auto modes between *Ru 1 ~ Ru 4*.

Press the "**ENTER**" button to confirm the setting.

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

Auto mode 1	Par LEDs + Tri SMD LEDs + White SMD LEDs
Auto mode 2	Par LEDs
Auto mode 3	Tri SMD LEDs + White SMD LEDs
Auto mode 4	White SMD LEDs

Sound modes:

To access the sound modes, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show *5oun* on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the sound modes between *5o 1 ~ 5o 4*.

Press the "**ENTER**" button to confirm the setting.

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

Sound mode 1	Par LEDs + Tri SMD LEDs + White SMD LEDs
Sound mode 2	Par LEDs
Sound mode 3	Tri SMD LEDs + White SMD LEDs
Sound mode 4	White SMD LEDs

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 $5PEE$ on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between $5P$ $1 \sim 5P$ 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 $5En5$ on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the sound sensitivity between $5E$ $1 \sim 5E$ 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 $CoLo$ on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose $r001$.

Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the brightness of Red between $000 \sim 255$. **Value: 000 - 255 (000 = low, 255 = high).** Now press the "**ENTER**" button and repeat for 9 Green, b Blue and u UV.

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 for the par LEDs, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show dl MM on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the brightness between dl $1 \sim dl$ 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 of par LEDs for static colour, auto, sound and colour mix modes.

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 $5L\,AU$ 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.

IR remote setting:

To access the IR remote setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show $I\,nF\,r$ 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.

IR remote functions:

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

02 - Activates the auto modes, use the '+' and '–' buttons to select the auto mode. Pressing the 'speed' button followed by the '+' and '–' buttons will then allow the auto mode speed to be adjusted

03 - Activates the sound modes, use the '+' and '–' buttons to select the sound mode. Pressing the 'sensitivity' button followed by the '+' and '–' buttons will then allow the sound sensitivity be adjusted

04 - Activates the strobe, use the '+' and '–' buttons to adjust the strobe speed

05 - Activates the auto mode speed. Press this button followed by the '+' and '–' buttons to adjust the program speed

06 - Activates the sound mode sensitivity. Press this button followed by the '+' and '–' buttons to adjust the sound sensitivity

07 - Activates the DMX mode
Please note: the DMX address and channel must be preset in the menu

08 - Activates the static colour/manual modes, use the '+' and '–' buttons to select a colour from the pre-programmed static colours or use the 'R', 'G', 'B', 'UV' or 'W' buttons to create a manual colour. Pressing the 'Fade/unit' button allows the chosen colour to enter the fade program

09 - Activates the fade mode

10 - Manual colour selection

A - Red	C - Blue	E - White
B - Green	D - UV	

11 - Adjusts the auto mode, sound mode, speed, sound sensitivity, strobe speed and static colour/manual colour modes

12 - Sets the brightness of auto, sound, static colour and manual modes (1 - low brightness, 9 - high brightness)

Please note: in manual mode 'R', 'G' and 'B' buttons will control the colour of the par LEDs and the tri-colour SMD LEDs. The 'UV' button can only be used with the par LEDs. The 'White' button can only be used with the white SMD LEDs.
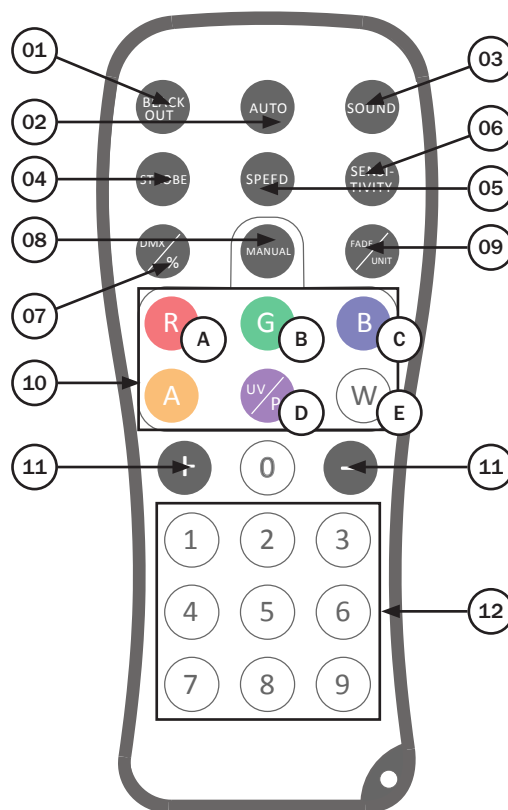
Setting the DMX address:

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 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.
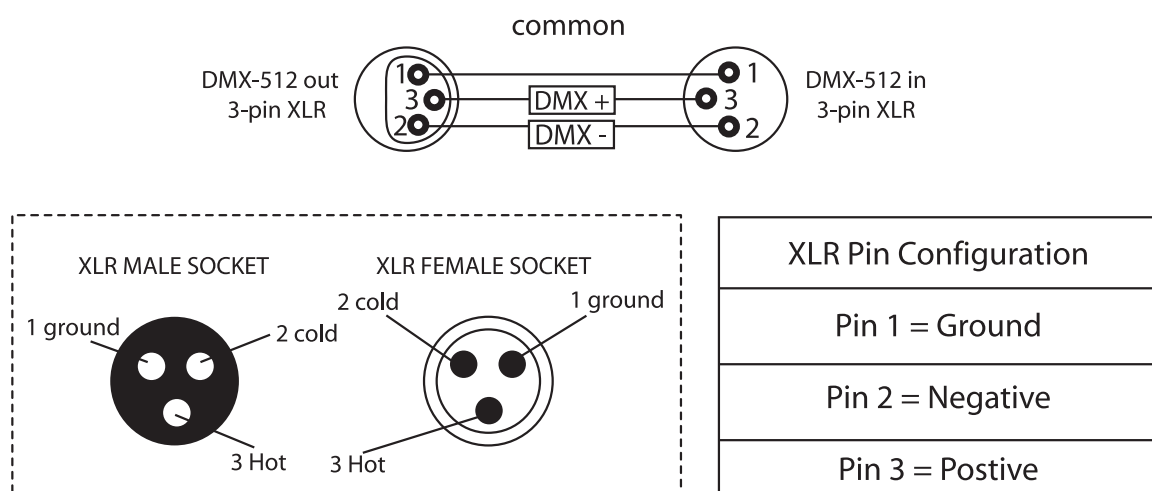Please quote:
    CABL10 – 2m
    CABL11 – 5m
    CABL12 – 10m

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.
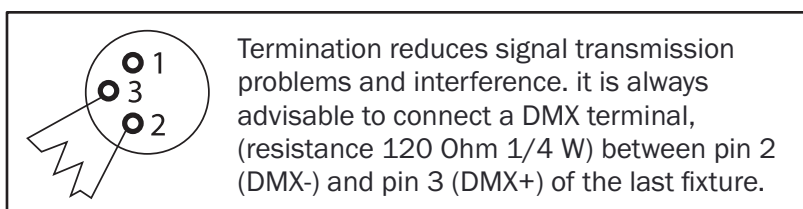
common

DMX-512 out
3-pin XLR

DMX +
DMX -

DMX-512 in
3-pin XLR

XLR MALE SOCKET

1 ground
2 cold
3 Hot

XLR FEMALE SOCKET

2 cold
1 ground
3 Hot

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

Special note:

Line termination:

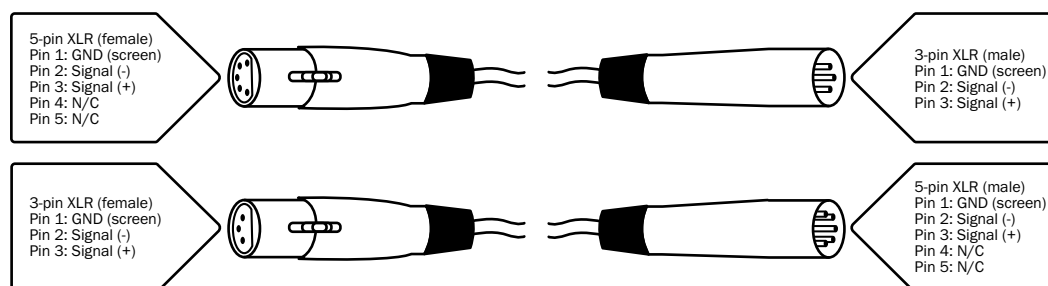When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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.

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 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.

EQUINOX