EQUINOX

Switchblade

User Manual

Order code: EQLED019

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 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.
- Never touch the fixture during operation as it may be hot.
- 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 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.

This fixture falls under Protection Class 1, therefore it has to be connected to a mains socket with a protective earthing connection.

Risk group 2, RG-2: CAUTION!
Do not stare at exposed LED in operation as it may damage/be harmful to the eyes. Avoid looking directly into the light source.

CAUTION!
The maximum ambient temperature (Ta) of 40° must not be exceeded.

CAUTION!
If the lens gets damaged ie. cracks or deep scratches so the output is impaired then it must be replaced.

Switchblade

Incorporating a beam and strobe/wash effect, the Switchblade does it all. One side of the sleek bar features five pixel mappable beams with an 8° beam angle whilst the other has 250 tri-colour LEDs controllable over five zones which strobe/wash to fill venues with blinding effects in any colour. Infinite pan and tilt with lightning quick movements along with razor sharp beams create awesome aerial effects.

Beam optics:

- 5 x 40W quad-colour LEDs (RGBW)
- Beam angle: 8°
- 15,558 Lux @ 2m (per LED, full on)
- 16kHz refresh rate

Strobe optics:

- 250 x tri-colour 5050 SMD LEDs (RGB)
- Beam angle: 160°
- 183 Lux @ 2m (full on)
- 500Hz refresh rate
- Individually controllable LEDs (beams)/ zones (strobe)
- DMX channels: 2/15/23 or 48 selectable
- Auto, sound active and master/slave modes
- Pan/tilt auto correction
- 16 bit pan/tilt positioning
- 360° continuous pan and tilt
- 0-100% dimming and variable strobe
- Supplied with quick release omega clamp
- 4 push button menu with 2.5” LCD display
- PowerCON input/output
- 5-Pin XLR input/output
- Fan cooled

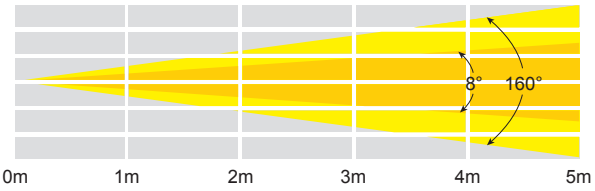
Specifications	Switchblade
Power consumption	365W
Power supply	100~240V, 50/60Hz
Fuse	F5A 250V
Dimensions	315 x 538 x 182mm
Weight	11kg
Order code	EQLED019

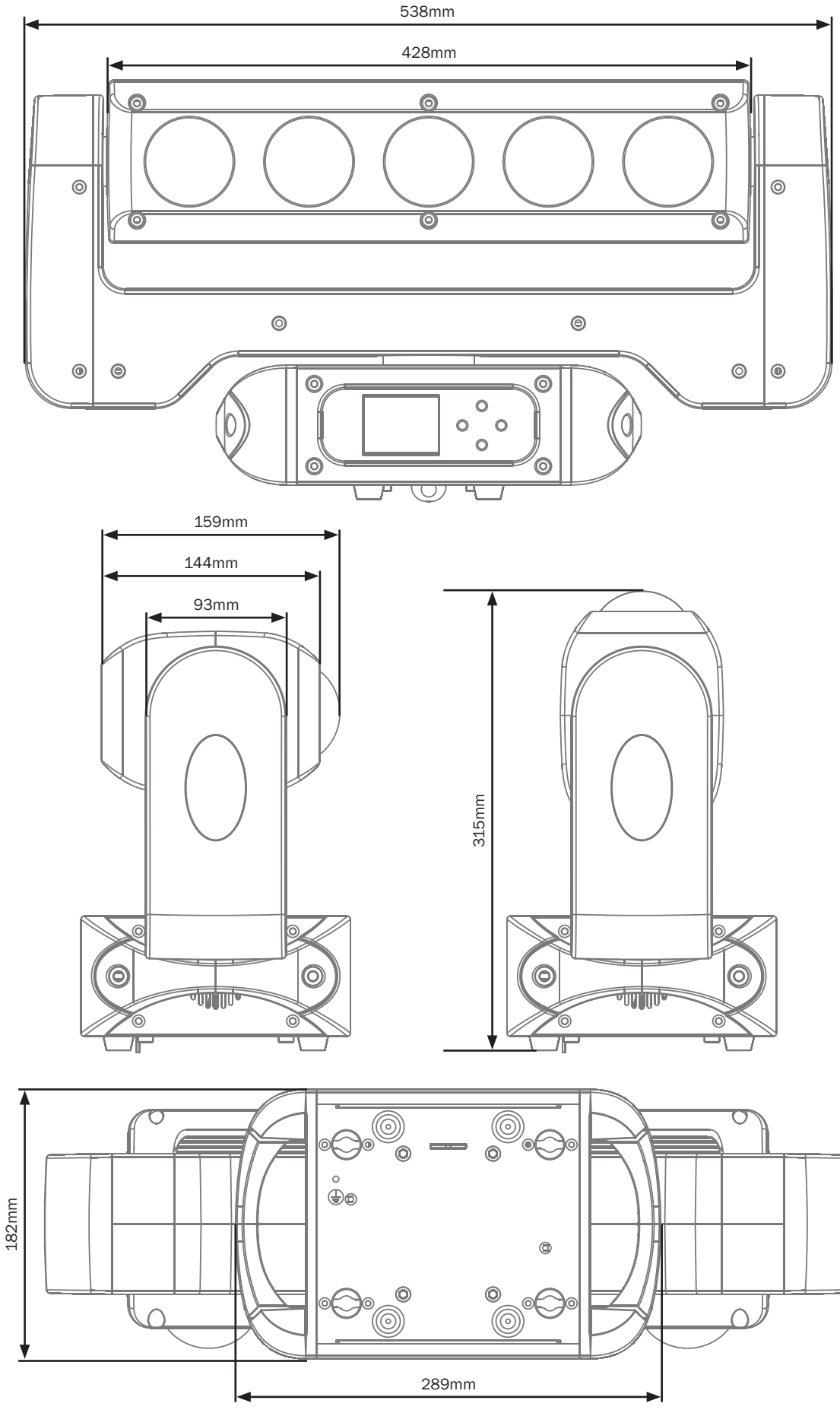
8° - Lux (Beam)

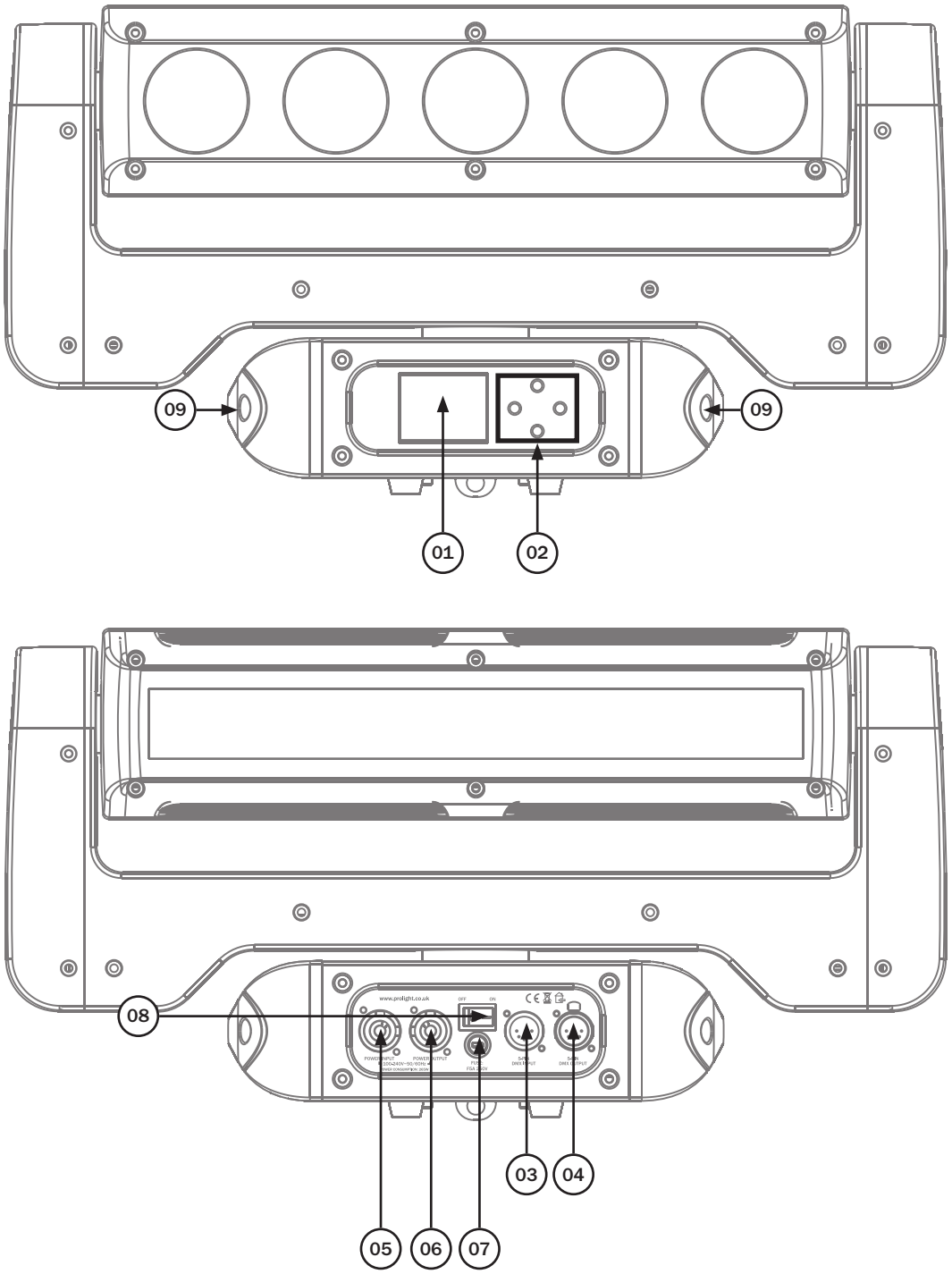
FULL ON	62232	15558	6914	3889	2489
R	9048	2262	1005	565	361
G	22484	5621	2498	1405	899
B	4300	1075	477	268	172
W	27696	6924	3077	1731	1107

160° - Lux (Strobe)

FULL ON	734	183	81.6	45.6	29.3
R	222	55.6	24.7	13.9	8.9
G	446	111	49.6	27.9	17.8
B	150	37.5	16.6	9.3	6




538mm
428mm
159mm
144mm
93mm
315mm
182mm
289mm

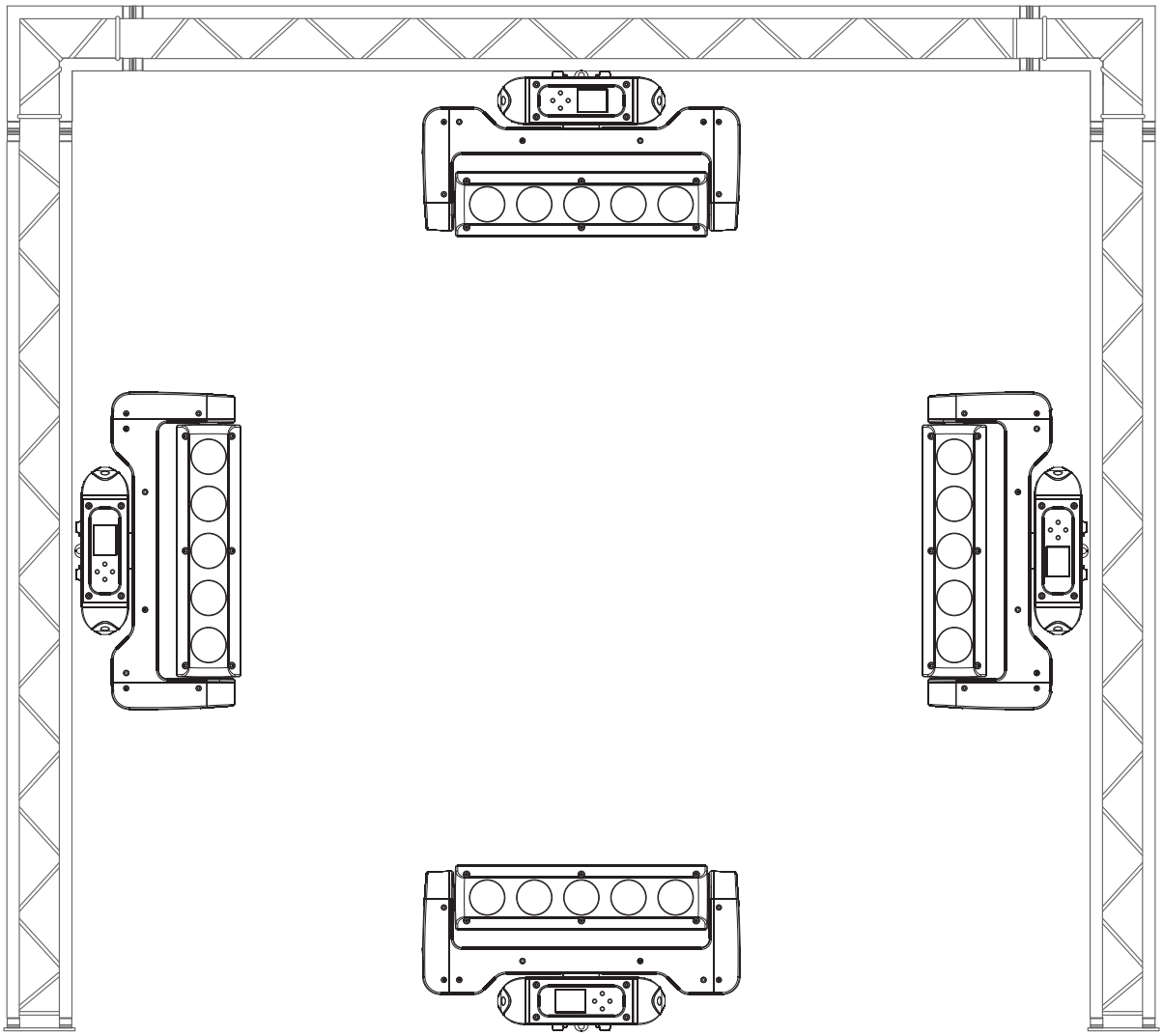


01 - LCD display
02 - Function buttons
03 - 5-Pin DMX input
04 - 5-Pin DMX output
05 - PowerCON input
06 - PowerCON output
07 - Fuse F5A 250V
08 - Power switch
09 - Carry handles

In the box: **1 x fixture, 2 x omega clamps, 1 x power cable & 1 x user manual**

Before installing the fixture, the supporting structure (ie. truss) must be able to hold a minimum of 10 times the fixtures weight without any deformation (eg. 15kg - 150kg point load). The fixture must be secured with a secondary safety attachment when being installed (ie. an appropriate safety cable). Never stand directly below the fixture when mounting, removing, and/or servicing.

Overhead installation requires experience and qualifications to calculate working load limits, the material being used at the installation area and periodic safety inspections of the fixture and installation material. If you do not have the relevant experience and/or qualifications please do not attempt the installation yourself. The installation should be checked annually by a qualified person.



The Equinox Switchblade can be operated in a number of mounting positions as shown in the diagram above, hanging upside-down from the ceiling or truss, mounting sideways on truss or stood upright on a flat level surface. Always use a safety wire as an extra safety precaution to prevent damage/injury in the event a clamp fails (see the next page for clamp installation).
Never use the carry handles for secondary attachments.

Installation:

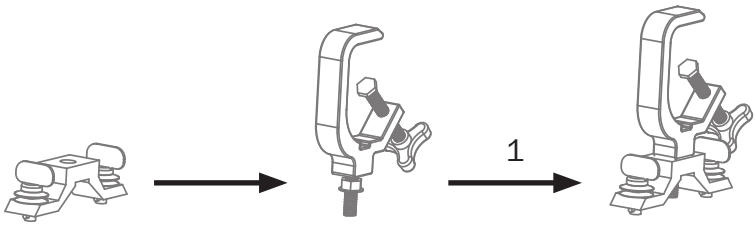
1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.

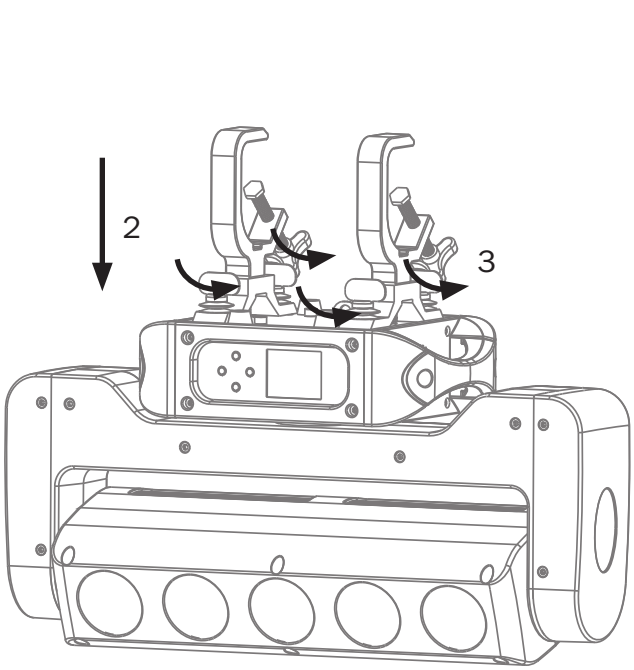
2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bottom of the unit.

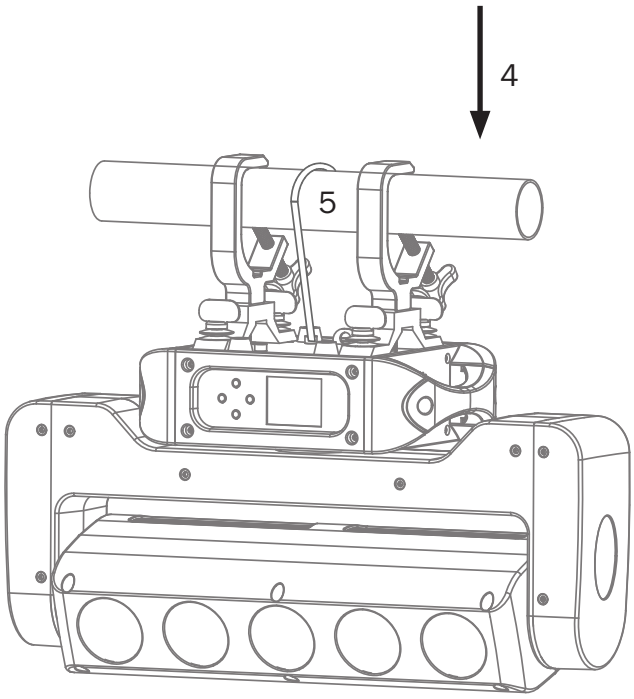
3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.

4. Mount the fixture onto your truss system via the clamps and tighten to ensure secure.

5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.







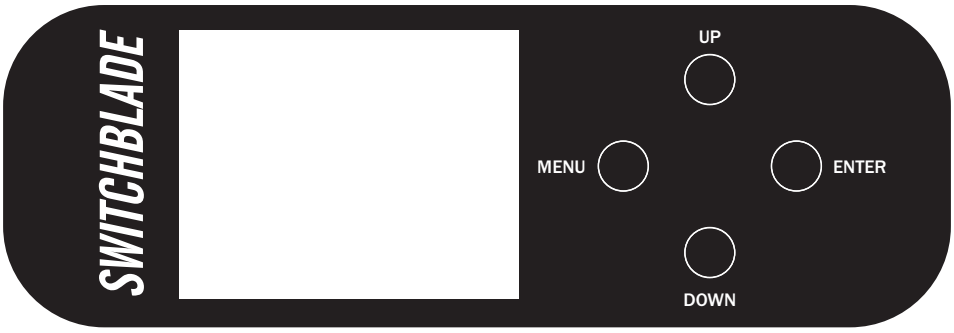
Control Panel Menu:

The LCD control panel situated on the front of the fixture allows the user to access the menu system to
adjust the fixtures settings.

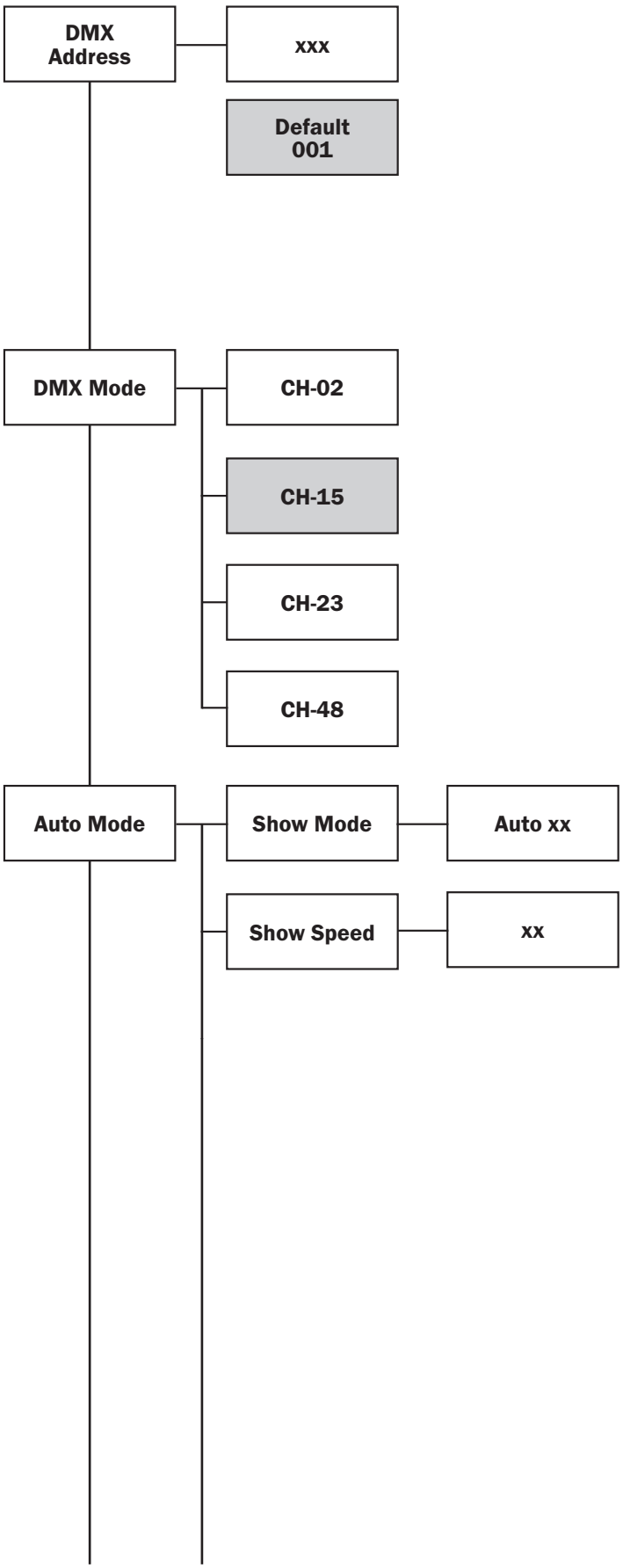
When the unit has been powered on the display will show "**Equinox Switchblade**", "**Motor Reset... Please Wait...**" whilst the unit performs its motor reset.
The fixture will then return to its home screen.

Pressing the "**MENU**" button once will take the user to the fixtures main menu. Using the "**UP**" and "**DOWN**" buttons you can then navigate between the different options in the main menu. Pressing the "**ENTER**" button on one of these options allows you to access the sub menu where you can use the "**UP**" and "**DOWN**" buttons to select option/value required. Once the option/value has been selected press the "**ENTER**" button once more to confirm the setting.
To exit out of any of the above options, press the "**MENU**" button.

When exiting the menu the fixture will display "**5**", "**4**", "**3**", "**2**", "**1**" before returning to the home screen.



Main Menu - Defaults are in grey



DMX address:

To access the DMX address mode, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**DMX Address**" on the LCD 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.

DMX channel mode:

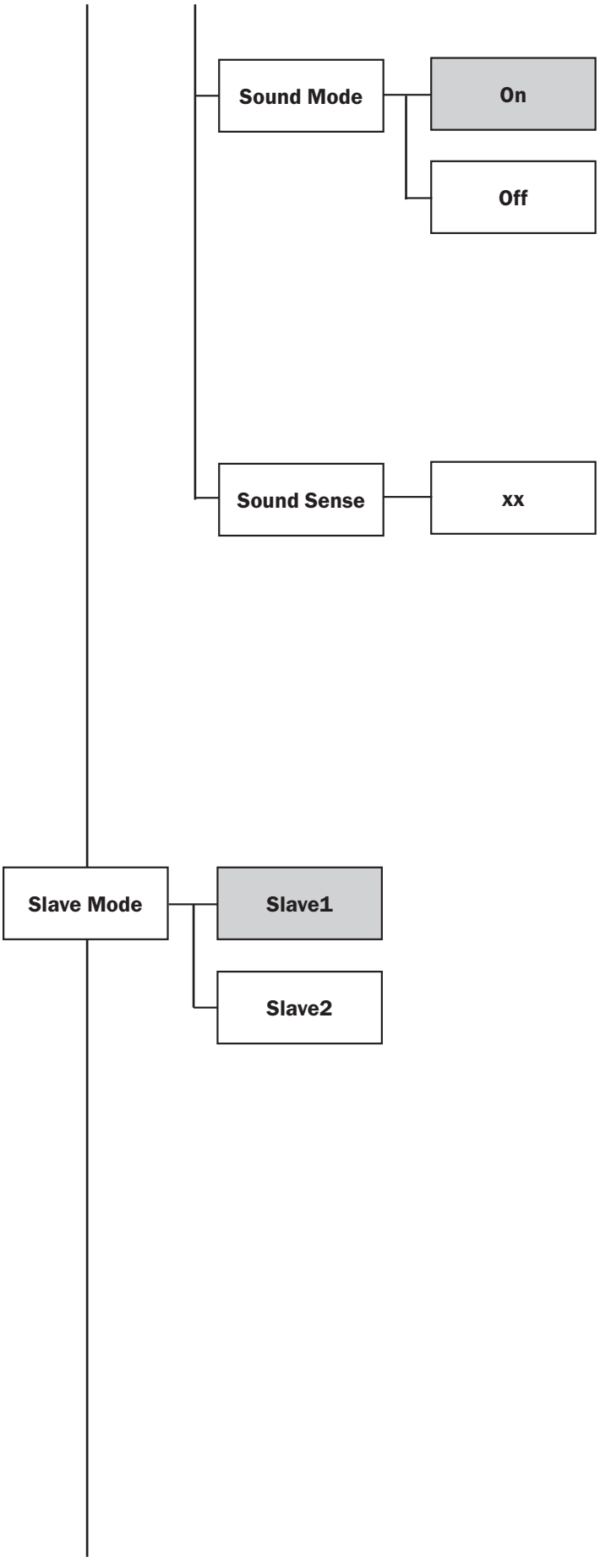
To access the DMX channel mode, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Channel Mode**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required DMX channel. Press the "**ENTER**" button to confirm the setting.

Show mode:

To access the show modes, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Auto Mode**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Show Mode**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required show mode.
Press the "**ENTER**" button to confirm the setting.

Show speed:

To access the show speed setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Auto Mode**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Show Speed**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required show speed. Press the "**ENTER**" button to confirm the setting.



Sound mode:

To access the sound mode setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Auto Mode**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Sound Mode**".
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**ON**" and "**OFF**".
Press the "**ENTER**" button to confirm the setting.

Sound sensitivity:

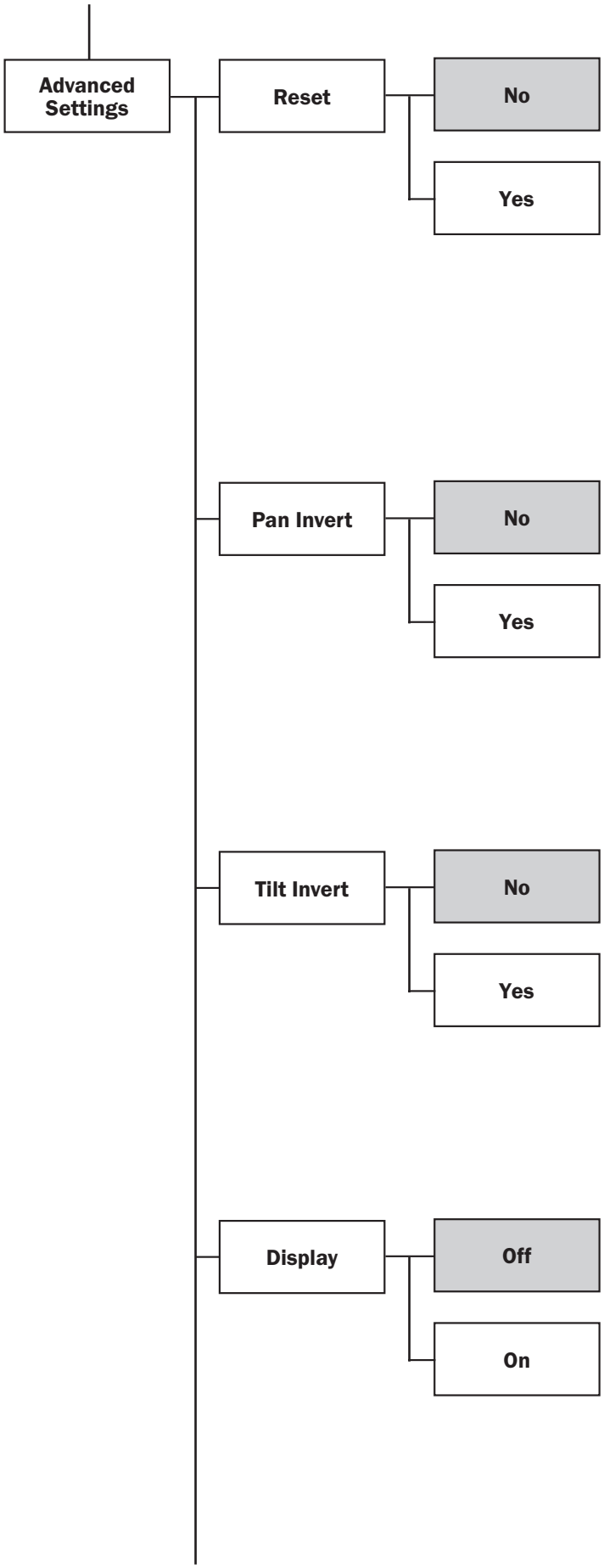
To access the sound sensitivity setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Auto Mode**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Sound Sense**".
Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required sound sensitivity.
Press the "**ENTER**" button to confirm the setting.

Master/slave mode:

To set the master unit, select your desired program.
To set the other units in slave mode, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons on the rear of the unit to show "**Slave Mode**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose either "**Slave1**" and "**Slave2**".
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.



Factory Reset:

Resets all the fixtures factory settings.

To access the factory setting reset, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Reset**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to between "**Yes**" and "**No**". Press the "**ENTER**" button to confirm the setting.

Pan Invert:

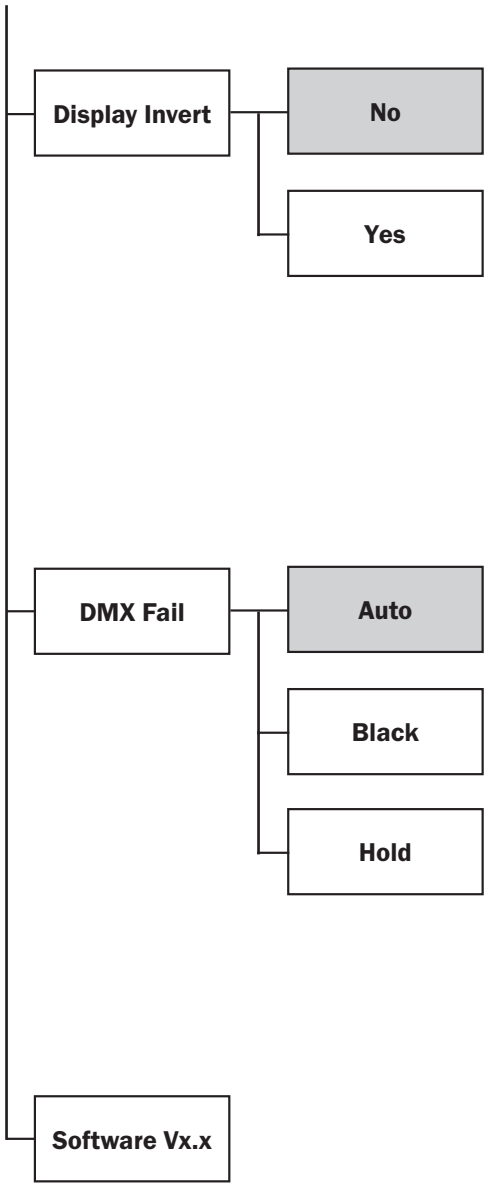
To access the pan invert setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Pan Invert**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to between "**Yes**" and "**No**". Press the "**ENTER**" button to confirm the setting.

Tilt Invert:

To access the tilt invert setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Tilt Invert**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to between "**Yes**" and "**No**". Press the "**ENTER**" button to confirm the setting.

Display Backlight:

To access the display backlight setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Display**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to between "**On**" and "**Off**". Press the "**ENTER**" button to confirm the setting.



Display Invert:

To access the display invert setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Display Invert**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to between "**Yes**" and "**No**". Press the "**ENTER**" button to confirm the setting.

DMX fail:

Sets what the fixture does when the DMX signal is lost. To access the DMX fail setting, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**DMX Fail**". Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose between "**Auto**", "**Black**" or "**Hold**". Press the "**ENTER**" button to confirm the setting.

System information:

To display the fixtures system information, press the "**MENU**" button and use the "**UP**" and "**DOWN**" buttons to show "**Advanced Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Software**". The unit will now display the fixtures software version.

2 channel mode:

Channel	Value	Function
CH1	000-007	No function
	008-022	Show 1
	023-037	Show 2
	038-052	Show 3
	053-067	Show 4
	068-082	Show 5
	083-097	Show 6
	098-112	Show 7
	113-127	Show 8
	128-142	Show 9
	143-157	Show 10
	158-172	Show 11
	173-187	Show 12
	188-202	Show 13
	203-217	Show 14
	218-232	Show 15
	233-247	Show 16
	248-255	Show 0 (Random shows)
CH2	000-127	Show speed (slow-fast)
	128-255	Sound (sensitivity low-high)

23 channel mode colour selection:

Value	Function
000-007	No function
008-024	Red
025-041	Green
042-057	Blue
058-074	White
075-090	Lime green
091-107	Magenta
108-123	Rose pink

124-140	Cyan
141-156	Mint green
157-173	Lilac
174-189	Pastel blue
190-206	Pastel green
207-222	Violet
223-239	Sky blue
240-255	White

15 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine adjustment
CH3	000-255	Tilt adjustment 0-360°
CH4	000-255	Tilt fine adjustment
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Master dimmer (0-100%)
CH7	000-255	LED Red dimmer (0-100%)
CH8	000-255	LED Green dimmer (0-100%)
CH9	000-255	LED Blue dimmer (0-100%)
CH10	000-255	LED White dimmer (0-100%)
CH11	000-007	No function
	008-015	LED blackout
	016-131	LED strobe (slow-fast)
	132-139	No function
	140-181	LED strobe ramp down (slow-fast)
	182-189	No function
	190-231	LED strobe ramp up (slow-fast)
	232-239	No function
	240-247	LED random strobe
	248-255	No function
CH12	000-255	SMD red dimmer (0-100%)
CH13	000-255	SMD green dimmer (0-100%)
CH14	000-255	SMD blue dimmer (0-100%)
CH15	000-007	No function
	008-015	SMD blackout
	016-131	SMD strobe (slow-fast)
	132-139	No function
	140-181	SMD strobe ramp down (slow-fast)
	182-189	No function
	190-231	SMD strobe ramp up (slow-fast)
	232-239	No function
	240-247	SMD random strobe
	248-255	No function

23 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine adjustment
CH3	000-255	Tilt adjustment 0-360°
CH4	000-255	Tilt fine adjustment
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-049	No function
	050-149	Pan Anti-clockwise Rotation (fast-slow)
	150-155	No function
	156-255	Pan Clockwise Rotation (slow-fast)
CH7	000-049	No function
	050-149	Tilt Forward Rotation (fast-slow)
	150-155	No function
	156-255	Tilt Backwards Rotation (slow-fast)
CH8	000-255	Master dimmer (0-100%)
CH9	000-255	LED 1 colour selection
CH10	000-255	LED 2 colour selection
CH11	000-255	LED 3 colour selection
CH12	000-255	LED 4 colour selection
CH13	000-255	LED 5 colour selection
CH14	000-007	No function
	008-015	LED blackout
	016-131	LED strobe (slow-fast)
	132-139	No function
	140-181	LED strobe ramp down (slow-fast)
	182-189	No function
	190-231	LED strobe ramp up (slow-fast)
	232-239	No function
	240-247	LED random strobe
	248-255	No function
CH15	000-255	SMD group 1 colour selection
CH16	000-255	SMD group 2 colour selection
CH17	000-255	SMD group 3 colour selection
CH18	000-255	SMD group 4 colour selection
CH19	000-255	SMD group 5 colour selection

Channel	Value	Function
CH20	000-007	No function
	008-015	SMD blackout
	016-131	SMD strobe (slow-fast)
	132-139	No function
	140-181	SMD strobe ramp down (slow-fast)
	182-189	No function
	190-231	SMD strobe ramp up (slow-fast)
	232-239	No function
	240-247	SMD random strobe
	248-255	No function
CH21	000-007	No function
	008-022	Show 1
	023-037	Show 2
	038-052	Show 3
	053-067	Show 4
	068-082	Show 5
	083-097	Show 6
	098-112	Show 7
	113-127	Show 8
	128-142	Show 9
	143-157	Show 10
	158-172	Show 11
	173-187	Show 12
	188-202	Show 13
	203-217	Show 14
	218-232	Show 15
	233-247	Show 16
	248-255	Show 0 (Random shows)
CH22	000-127	Show speed (slow-fast)
	128-255	Sound (sensitivity low-high)
CH23	000-199	No function
	200-209	Reset (hold 3s)
	210-255	No function

48 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine adjustment
CH3	000-255	Tilt adjustment 0-360°
CH4	000-255	Tilt fine adjustment
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-049	No function
	050-149	Pan Anti-clockwise Rotation (fast-slow)
	150-155	No function
	156-255	Pan Clockwise Rotation (slow-fast)
CH7	000-049	No function
	050-149	Tilt Forward Rotation (fast-slow)
	150-155	No function
	156-255	Tilt Backwards Rotation (slow-fast)
CH8	000-255	Master dimmer (0-100%)
CH9	000-255	LED 1 red dimmer (0-100%)
CH10	000-255	LED 1 green dimmer (0-100%)
CH11	000-255	LED 1 blue dimmer (0-100%)
CH12	000-255	LED 1 white dimmer (0-100%)
CH13	000-255	LED 2 red dimmer (0-100%)
CH14	000-255	LED 2 green dimmer (0-100%)
CH15	000-255	LED 2 blue dimmer (0-100%)
CH16	000-255	LED 2 white dimmer (0-100%)
CH17	000-255	LED 3 red dimmer (0-100%)
CH18	000-255	LED 3 green dimmer (0-100%)
CH19	000-255	LED 3 blue dimmer (0-100%)
CH20	000-255	LED 3 white dimmer (0-100%)
CH21	000-255	LED 4 red dimmer (0-100%)
CH22	000-255	LED 4 green dimmer (0-100%)
CH23	000-255	LED 4 blue dimmer (0-100%)
CH24	000-255	LED 4 white dimmer (0-100%)
CH25	000-255	LED 5 red dimmer (0-100%)
CH26	000-255	LED 5 green dimmer (0-100%)
CH27	000-255	LED 5 blue dimmer (0-100%)
CH28	000-255	LED 5 white dimmer (0-100%)

Channel	Value	Function
CH29	000-007	No function
	008-015	LED blackout
	016-131	LED strobe (slow-fast)
	132-139	No function
	140-181	LED strobe ramp down (slow-fast)
	182-189	No function
	190-231	LED strobe ramp up (slow-fast)
	232-239	No function
	240-247	LED random strobe
	248-255	No function
CH30	000-255	SMD group 1 red dimmer (0-100%)
CH31	000-255	SMD group 1 green dimmer (0-100%)
CH32	000-255	SMD group 1 blue dimmer (0-100%)
CH33	000-255	SMD group 2 red dimmer (0-100%)
CH34	000-255	SMD group 2 green dimmer (0-100%)
CH35	000-255	SMD group 2 blue dimmer (0-100%)
CH36	000-255	SMD group 3 red dimmer (0-100%)
CH37	000-255	SMD group 3 green dimmer (0-100%)
CH38	000-255	SMD group 3 blue dimmer (0-100%)
CH39	000-255	SMD group 4 red dimmer (0-100%)
CH40	000-255	SMD group 4 green dimmer (0-100%)
CH41	000-255	SMD group 4 blue dimmer (0-100%)
CH42	000-255	SMD group 5 red dimmer (0-100%)
CH43	000-255	SMD group 5 green dimmer (0-100%)
CH44	000-255	SMD group 5 blue dimmer (0-100%)

48 channel mode (cont.):

Channel	Value	Function
CH45	000-007	No function
	008-015	SMD blackout
	016-131	SMD strobe (slow-fast)
	132-139	No function
	140-181	SMD strobe ramp down (slow-fast)
	182-189	No function
	190-231	SMD strobe ramp up (slow-fast)
	232-239	No function
	240-247	SMD random strobe
	248-255	No function
CH46	000-007	No function
	008-022	Show 1
	023-037	Show 2
	038-052	Show 3
	053-067	Show 4
	068-082	Show 5
	083-097	Show 6
	098-112	Show 7
	113-127	Show 8
	128-142	Show 9
	143-157	Show 10
	158-172	Show 11
	173-187	Show 12
	188-202	Show 13
	203-217	Show 14
	218-232	Show 15
	233-247	Show 16
	248-255	Show 0 (Random shows)
CH47	000-127	Show speed (slow-fast)
	128-255	Sound (sensitivity low-high)
CH48	000-199	No function
	200-209	Reset (hold 3s)
	210-255	No function

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.

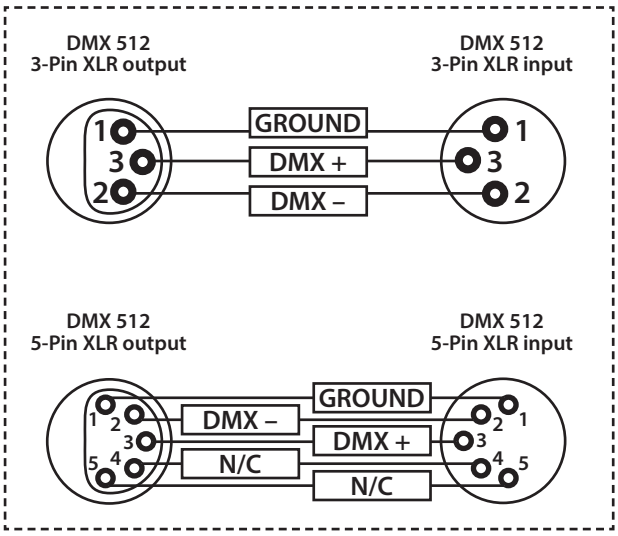
Please quote:	3-Pin:	**CABL10 – 2m**	**CABL11 – 5m**	**CABL12 – 10m**
	5-Pin:	**CABL185 – 2m**	**CABL187 – 5m**	**CABL188 – 10m**

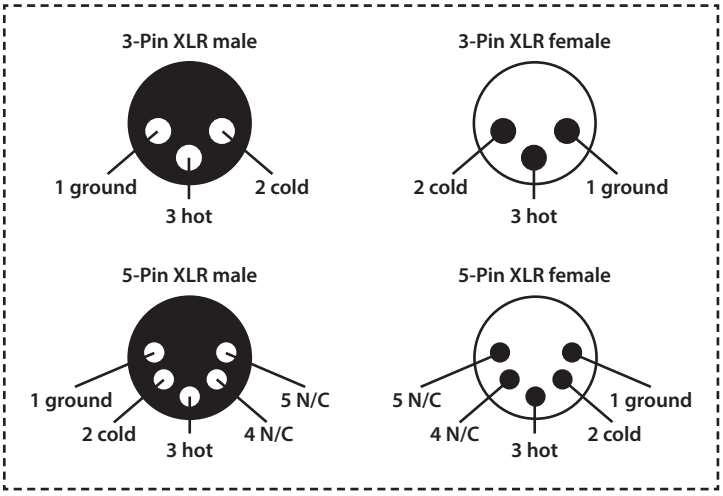
Also remember that DMX cable must be daisy chained and cannot be split.

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

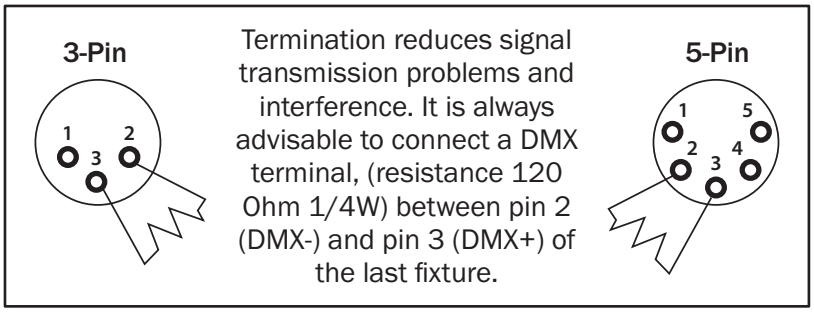




Line termination:

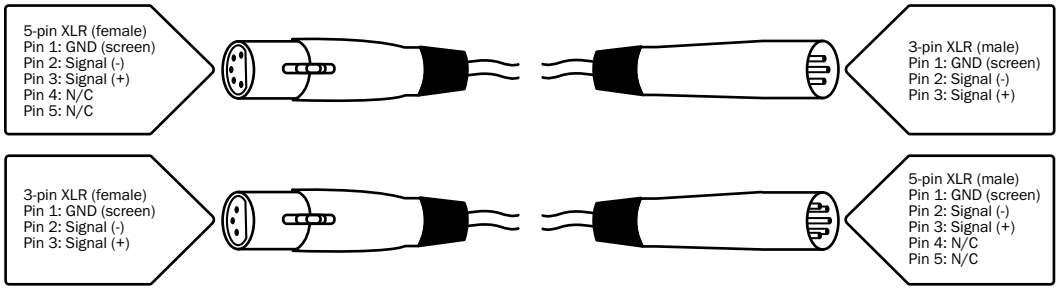
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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:

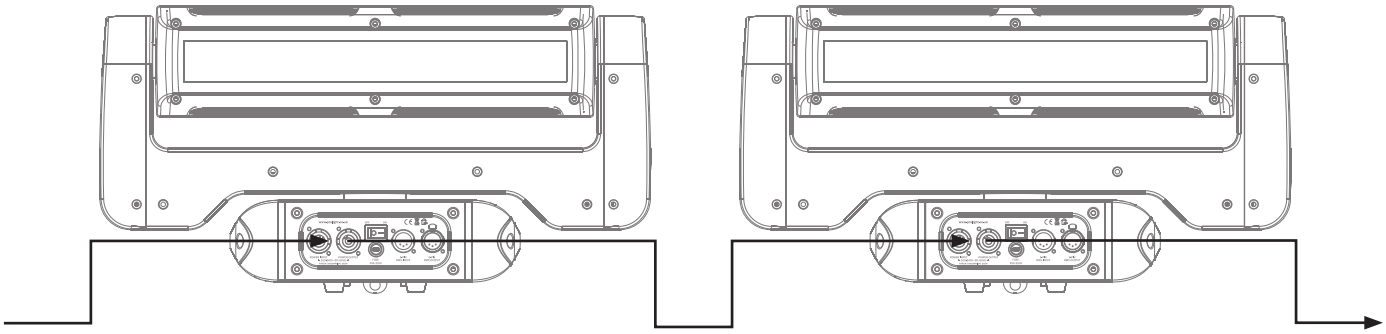
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Power linking:

This fixture provides power linking via the power output on the rear allowing multiple units to be connected together. The maximum number of fixtures that can be connected is 6 fixtures @ 240V or 3 fixtures @ 120V (including the first fixture). After the maximum number of fixtures are connected a new power run will need to be started.

Please note: Caution should be used when power linking other fixtures to the Switchblade as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.



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 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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