EQUINOX

Fusion 260ZP

User Manual

Order code: EQLED462

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.

Fusion 260ZP

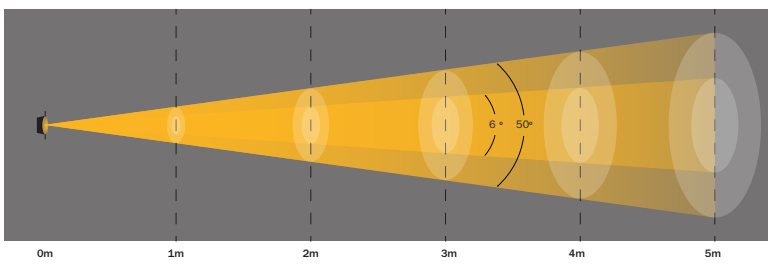
The Equinox Fusion 260ZP Moving Head Wash Light takes performance to the next level with temperature-controlled fans, smoother movement, and refined dimming control. Equipped with 19 x 12W RGBL quad-colour LEDs, it delivers everything from a range of colour temperature presets and soft pastels to vivid, saturated colours with exceptional clarity.

Designed for creative versatility, the LEDs are fully pixel mappable, enabling dynamic colour chases, eye-catching patterns, and comprehensive wash coverage. A motorised zoom range of 6°–50° provides both tight beam effects and wide-angle washes, adapting effortlessly to a range of performance environments.

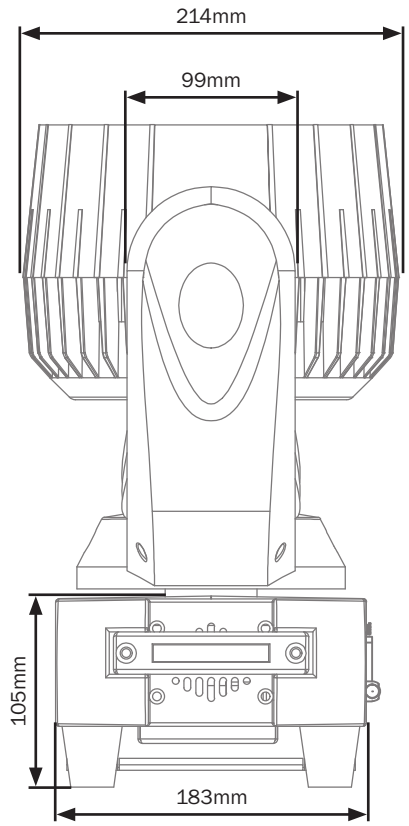
Ideal for concerts, theatre productions, and live events, the Fusion 260ZP is a powerful and reliable tool for any lighting designer.

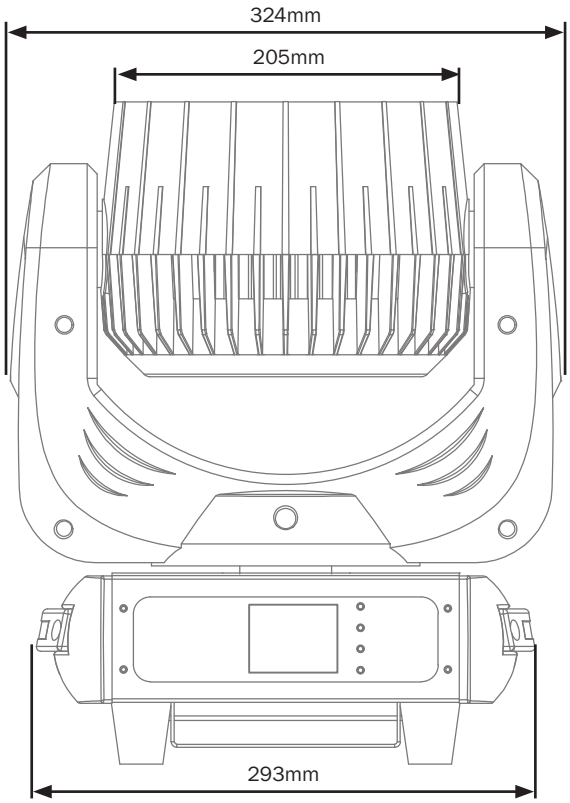
- 19 x 12W quad-colour LEDs (RGBL)
- Adjustable beam angle: 6°- 50°
- 6° - 42,795 Lux @ 2m (full on)
- 50° - 5,179 Lux @ 2m (full on)
- Refresh rate: 650Hz, 1.5kHz, 3.6kHz, 12kHz or 25kHz selectable
- Motorised zoom
- Full pixel mapping capabilities
- Control protocols: DMX, Kling-net, Art-net and sACN
- DMX channels: 2/9/18/23/27/85 or 93 selectable
- Auto, sound active and primary/secondary modes
- Forward facing show modes
- Colour temperature presets
- Pan/tilt auto correction
- 16-Bit pan/tilt positioning
- Pan: 540°, Tilt: 270°
- 0 - 100% dimming
- Variable strobe
- 4 dimming curves: Linear, square law, inverse square law and S-curve
- Supplied with quick release omega clamps
- Square hole spacing on omega clamp receivers allows for clamps to be mounted in all orientations
- 4 button menu with LCD display
- PowerTwist TR1 input/output
- EtherNET input/output
- 5-Pin XLR input/output
- Temperature controlled fans

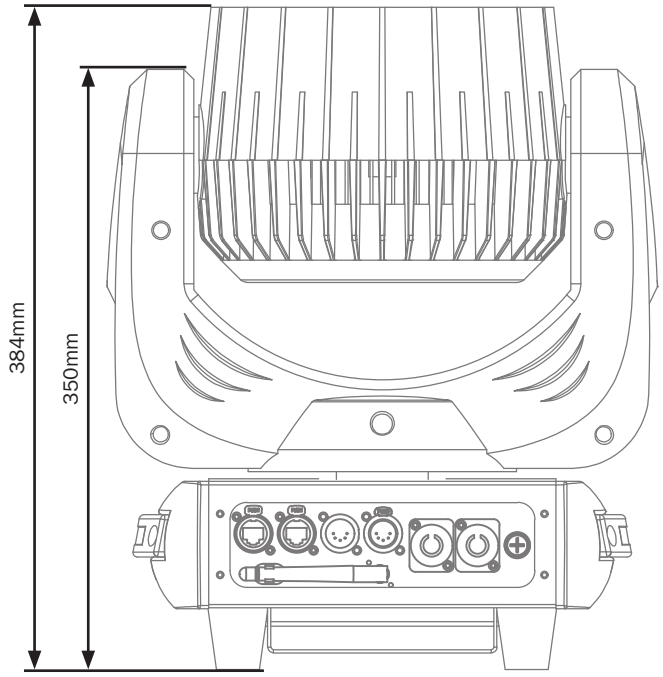
Red	6° LUX	36904	9226	4100	2307	1476
	50° LUX	3820	955	424	239	153
Green	6° LUX	71332	17833	7926	4458	2853
	50° LUX	7992	1998	888	500	320
Blue	6° LUX	13488	3372	1499	843	540
	50° LUX	1820	455	202	114	73
Lime	6° LUX	78624	19656	8736	4914	3145
	50° LUX	8976	2244	997	561	359
Full on	6° LUX	171180	42795	19020	10699	6847
	50° LUX	20716	5179	2302	1295	829

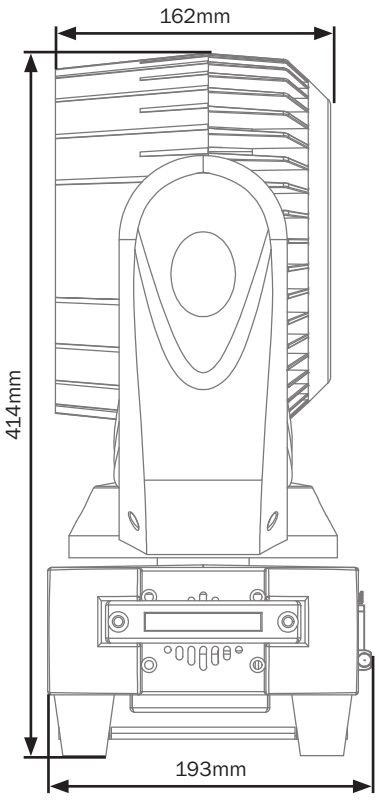


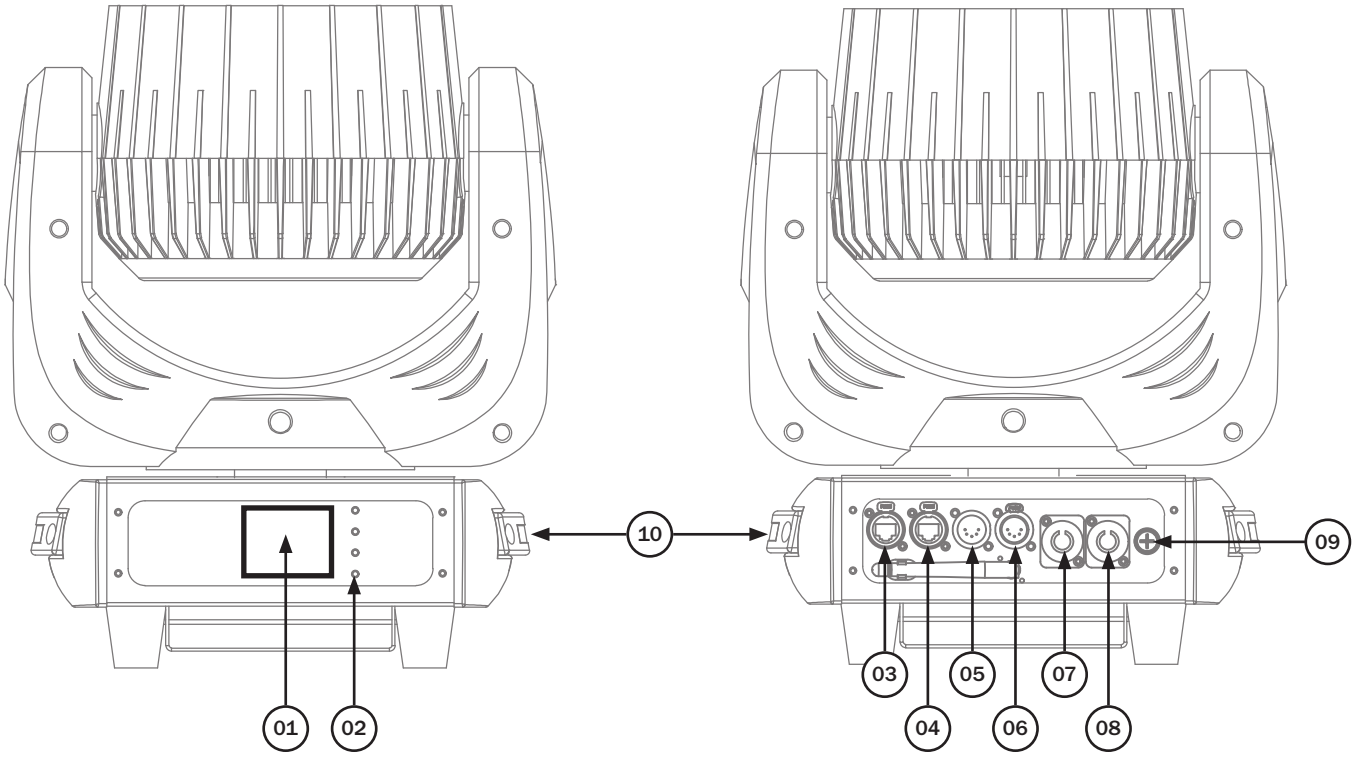
Specifications	Fusion 260ZP
Power consumption	324W
Power supply	100~240V, 50/60Hz
Fuse	F4A 250V
Dimensions	414 x 324 x 193mm
Weight	8.5kg
Order code	EQLED462


214mm
99mm
105mm
183mm


324mm
205mm
293mm


384mm
350mm


162mm
414mm
193mm

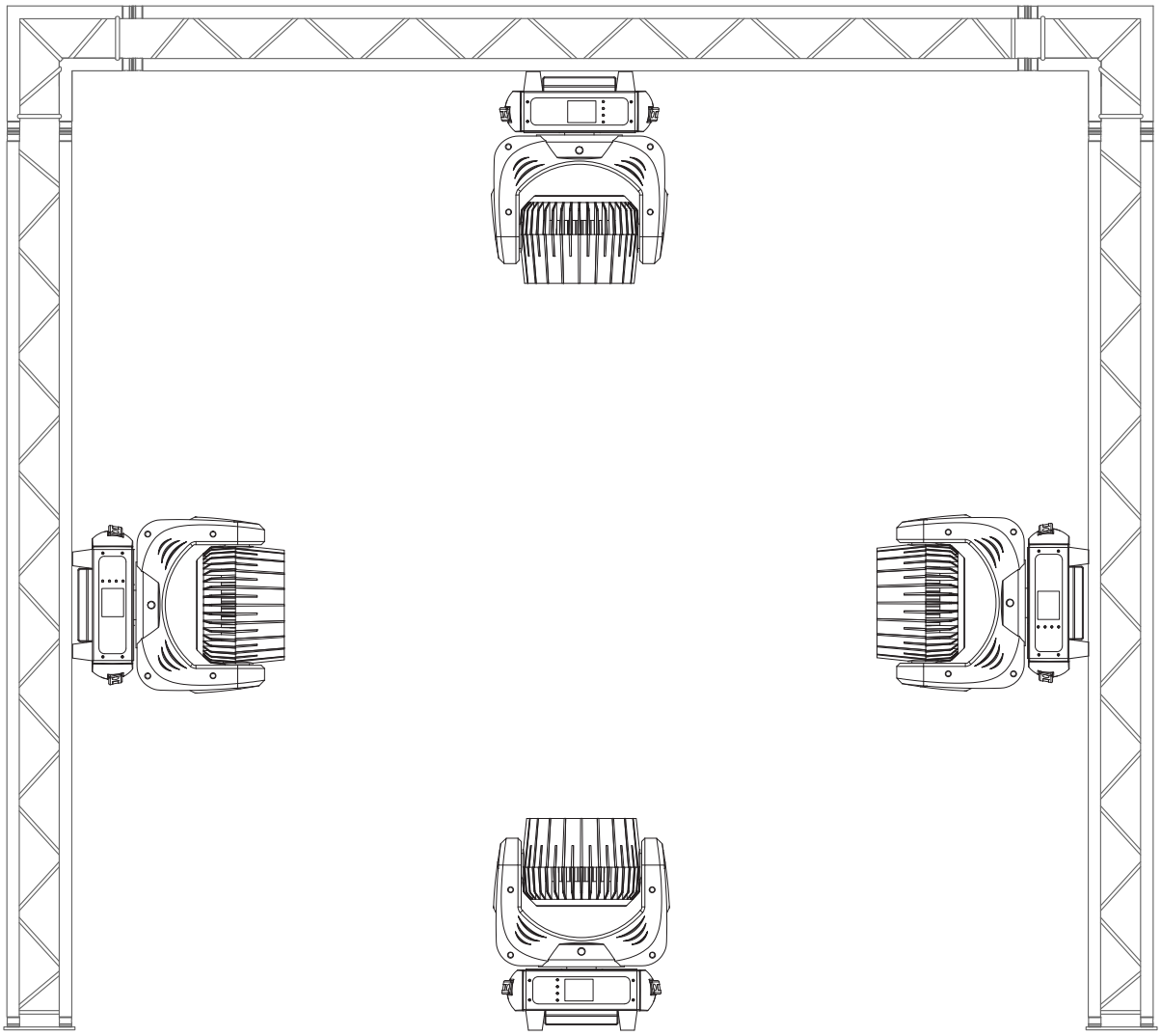


01 - LCD display
02 - Function buttons
03 - EtherNET input
04 - EtherNET output
05 - 5-Pin DMX input
06 - 5-Pin DMX output
07 - PowerTwist TR1 input
08 - PowerTwist TR1 output
09 - Fuse F4A 250V
10 - Carry handles

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 Fusion 260ZP 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:

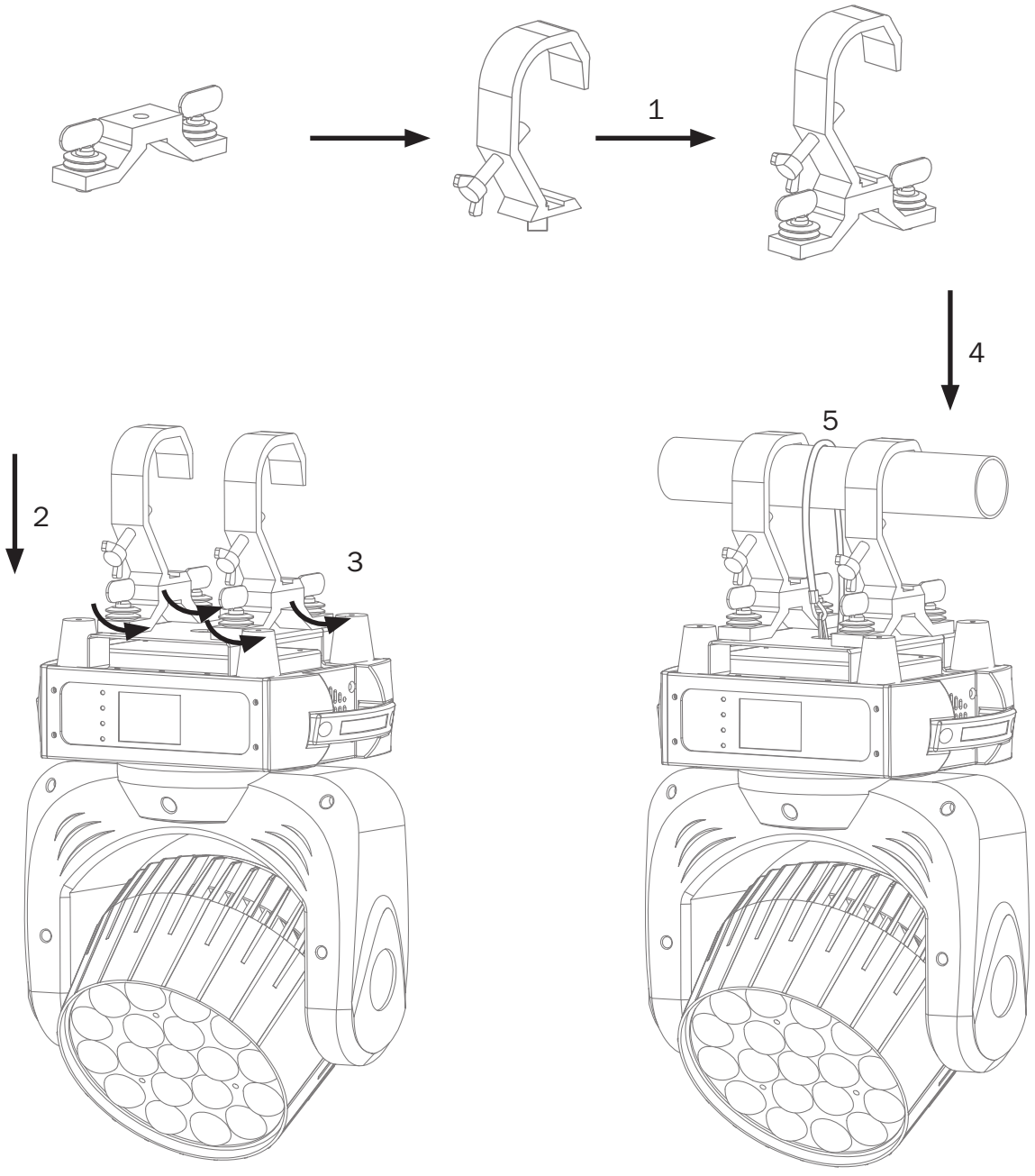
1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.

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.



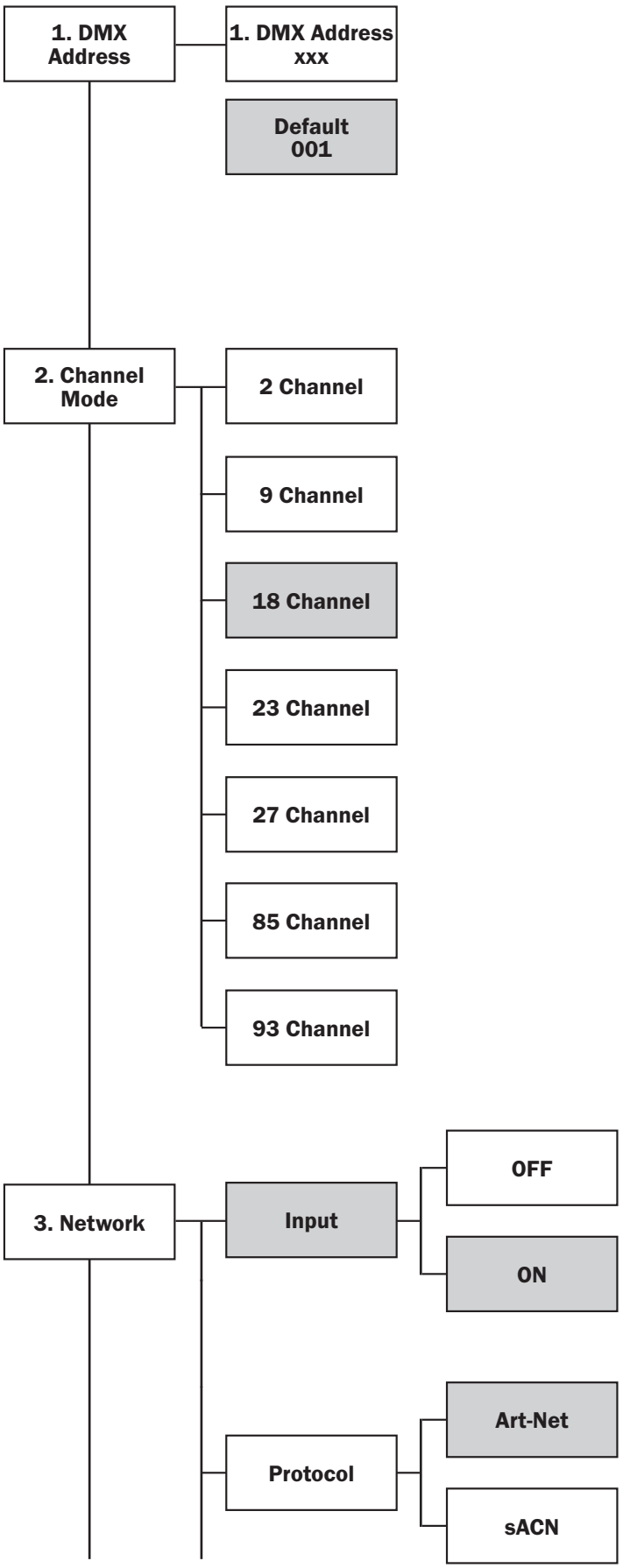
Control Panel Menu:

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 Fusion 260ZP**", "**Motor Reset... Please Wait...**" whilst the unit performs its motor reset. The fixture will then return to its home screen.

Pressing the "**ENTER**" 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.

Main Menu - Defaults are in grey



DMX address:

To access the DMX address mode, press the "**ENTER**" 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.

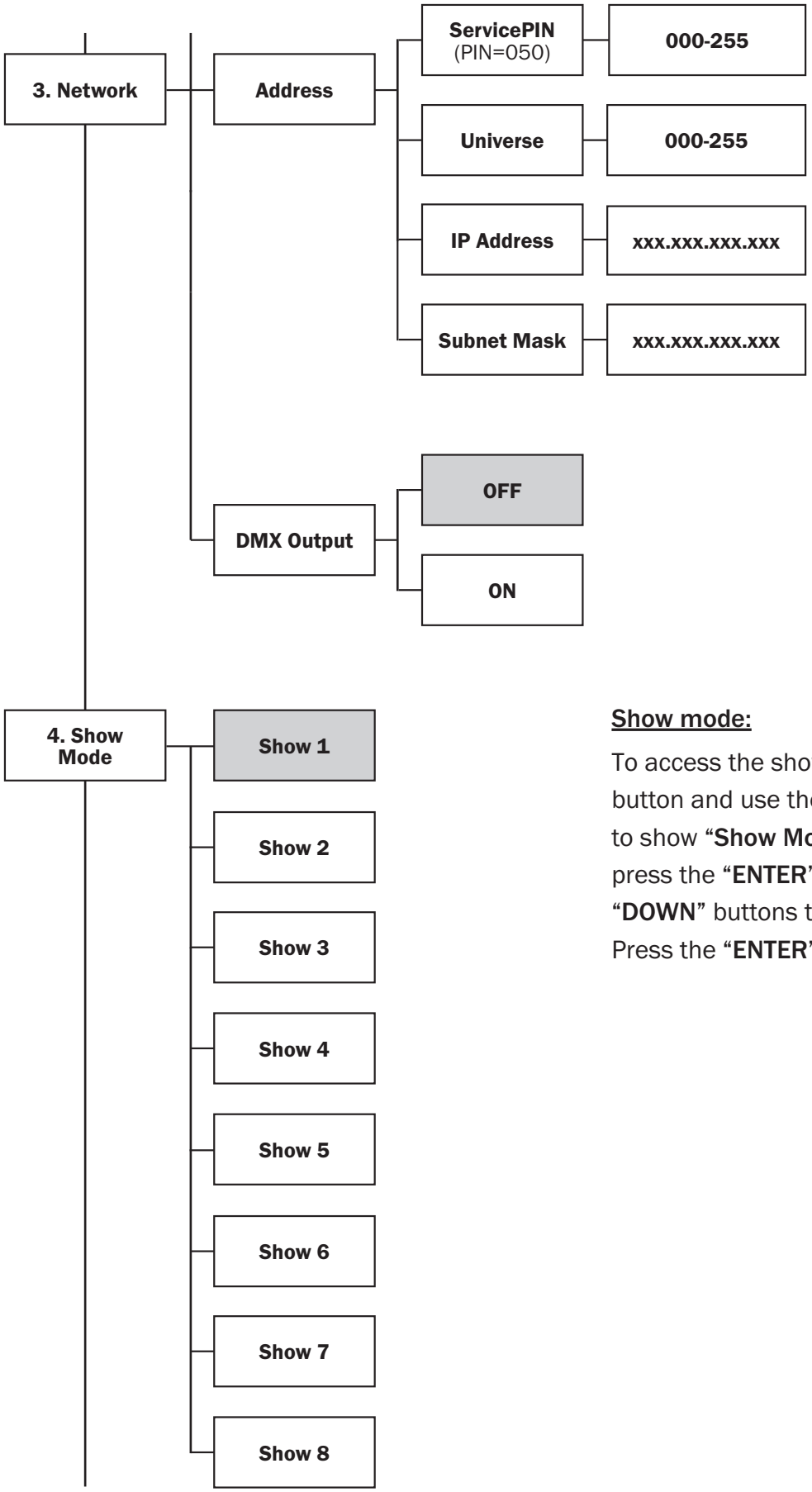
DMX channel mode:

To access the DMX channel mode, press the "**ENTER**" 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.

Network protocol setting:

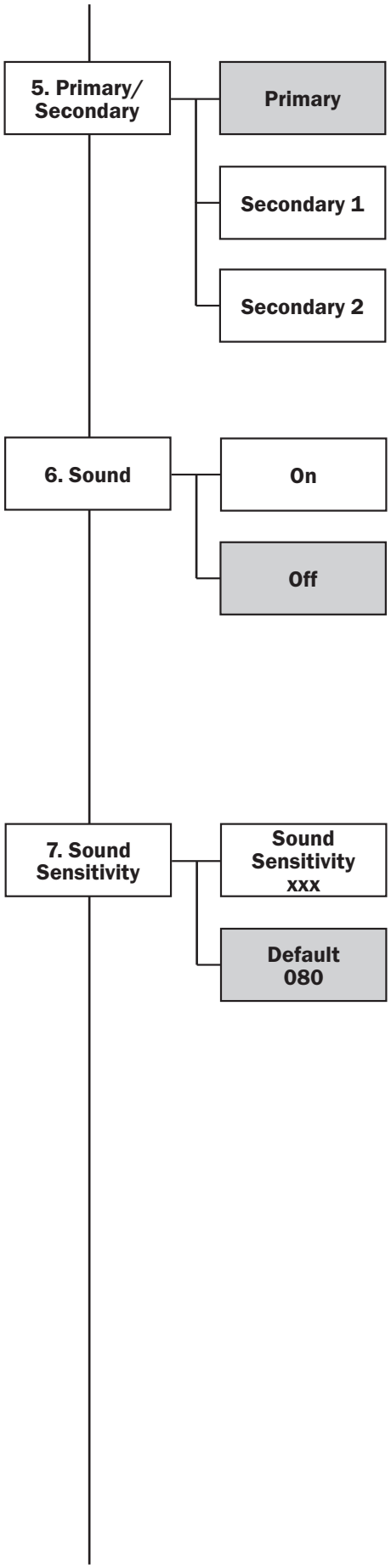
To access the network protocol setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Network**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required network mode.
Press the "**ENTER**" button to confirm the setting.

Main Menu - Defaults are in grey



Show mode:

To access the show modes, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Show Mode**" on the LCD display. 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.



Primary/secondary mode:

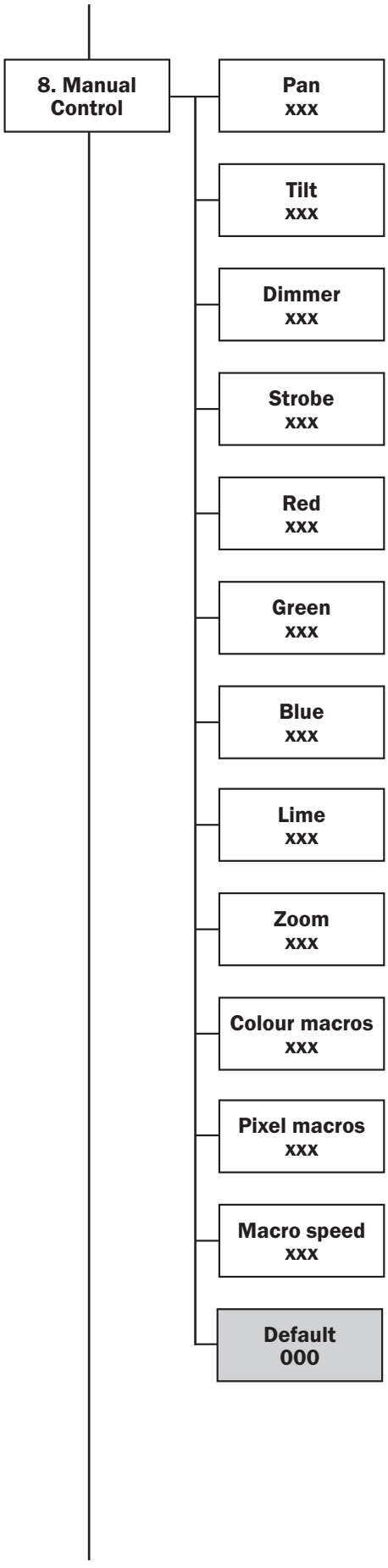
To access the master/slave modes, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Primary/Secondary**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required mode. Press the "**ENTER**" button to confirm the setting.

Sound mode:

To access the sound mode setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Sound**" on the LCD display. 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.

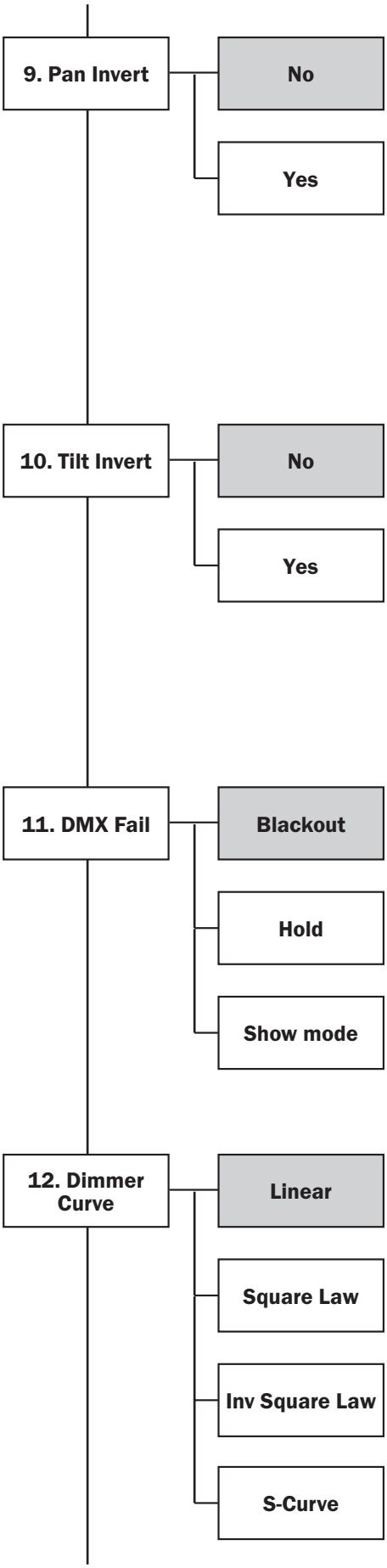
Sound sensitivity:

To access the sound sensitivity setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Sound Sensitivity**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**000**" and "**100**". Press the "**ENTER**" button to confirm the setting.



<u>Manual control:</u>

To access manual control mode, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Manual Control**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the various options. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**000**" - "**255**". Press the "**ENTER**" button to confirm the setting.



Pan invert:

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

Tilt invert:

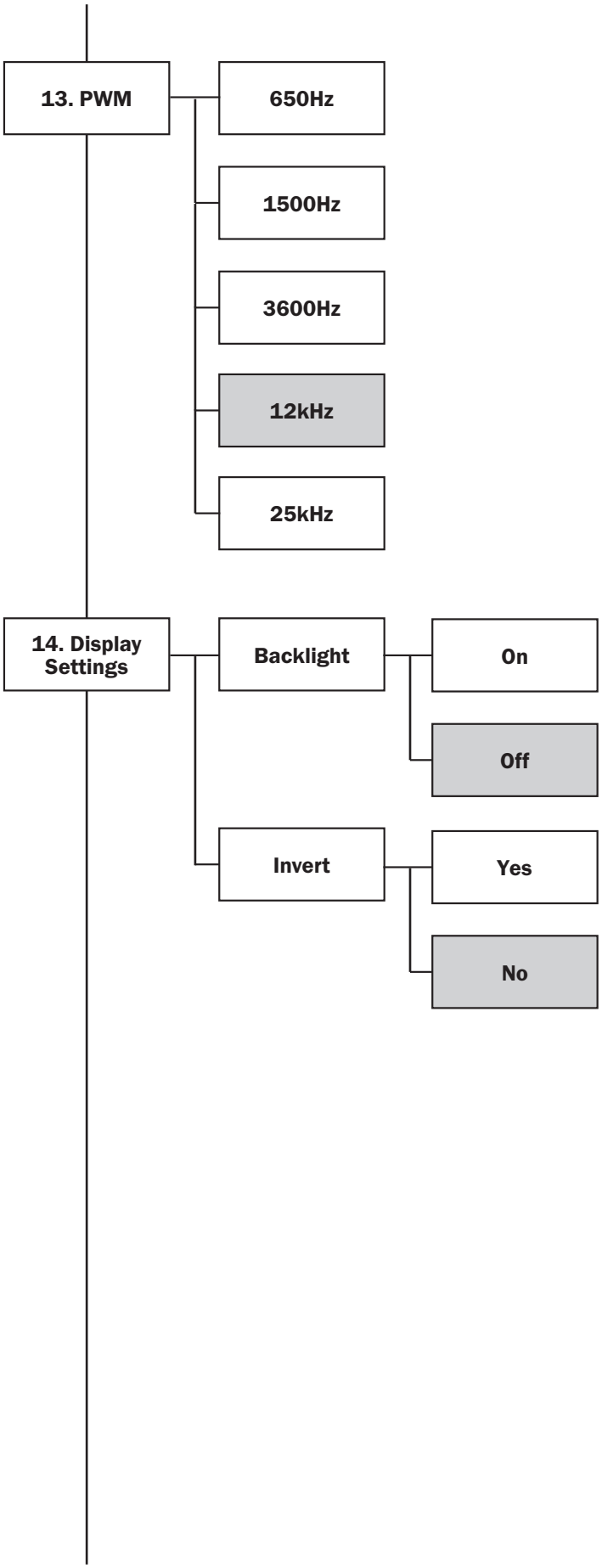
To access the tilt invert setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Tilt Invert**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**No**" and "**Yes**". Press the "**ENTER**" button to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

DMX fail:

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

Dimmer curve setting:

To access the dimmer curve setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Dimmer Curve**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose between "**Linear**", "**Square Law**", "**Inv Square Law**" or "**S-Curve**". Press the "**ENTER**" button to confirm the setting.



Refresh rate setting:

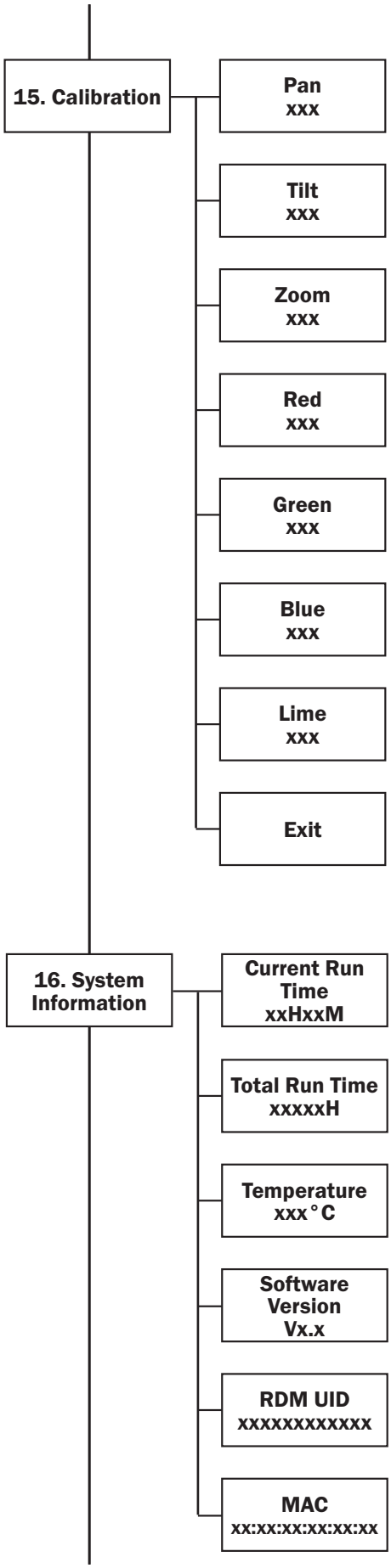
To access the refresh rate setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**PWM**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose between "**650Hz**", "**1500Hz**", "**3600Hz**", "**12kHz**" or "**25kHz**". Press the "**ENTER**" button to confirm the setting.

Display backlight:

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

Display invert:

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



Calibration:

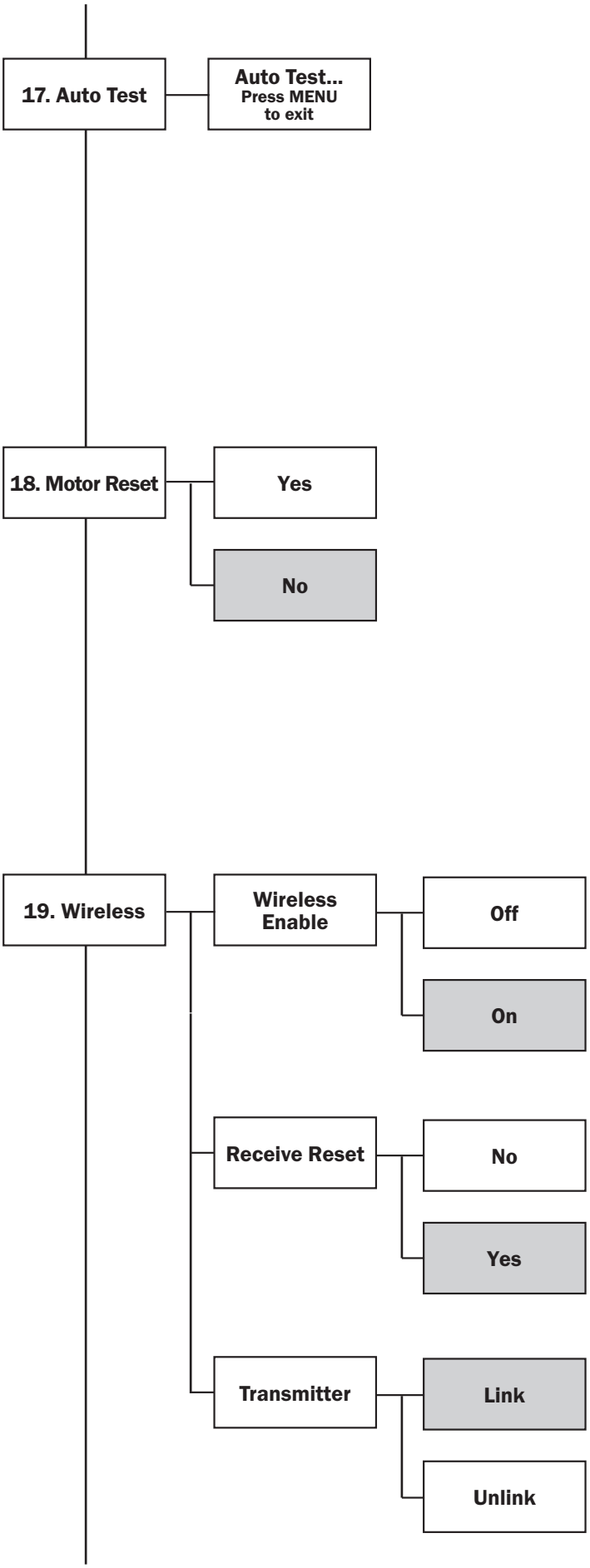
Calibration settings for the fixture.

To access the units calibration menu press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Calibration**". Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the various options. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**000**" - "**255**".
Press the "**ENTER**" button to confirm the setting.

Please note: Calibration settings are set when the fixture is manufactured. This can be changed manually for home position adjustment. Performing a factory reset will not change these settings.

System information:

To display the fixtures system information, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**System Information**" on the LCD display The unit will now display the fixtures current run time, total run time, temperature and software version.



Auto test:

Tests all functions and motors in the fixture.

To access the auto test mode, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Auto Test**" on the LCD display. Press the "**ENTER**" button and the fixture will initiate auto test.

Please note: Auto test will automatically stop when exiting the auto test menu.

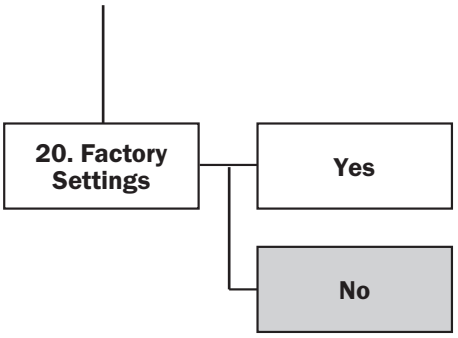
Motor reset:

Resets all the fixtures motors.

To access the motor reset setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Motor Reset**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**Yes**" and "**No**". Press the "**ENTER**" button to perform the motor reset when yes is selected.

Wireless:

To access wireless setting, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Wireless**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**Wireless Enable**", "**Receive Reset**" and "**Transmitter**". Press the "**ENTER**" button to confirm the setting.



Factory Reset:

Resets all the fixtures factory settings.

To access the factory setting reset, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to show "**Factory Settings**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between "**Yes**" and "**No**". Press the "**ENTER**" button to perform the factory reset when yes is selected.

2 channel mode:

Channel	Value	Function
CH1	000-015	No function
	016-045	Show 1 (fast)
	046-075	Show 2 (slow)
	076-105	Show 3 (forward facing show)
	106-135	Show 4 (multicolour forward facing show)
	136-165	Show 5 (540° multicolour with strobe)
	166-195	Show 6 (540° multicolour without strobe)
	196-225	Show 7 (540° multicolour slow)
	226-255	Show 8 (multicolour forward facing show slow)
CH2	000-255	Sound sensitivity (low-high)

9 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Tilt adjustment 0-270°
CH3	000-255	Zoom adjustment (narrow-wide)
CH4	000-255	Master dimmer (0-100%)
CH5	000-255	Red dimmer (0-100%)
CH6	000-255	Green dimmer (0-100%)
CH7	000-255	Blue dimmer (0-100%)
CH8	000-255	Lime dimmer (0-100%)
CH9	000	No function
	001-027	2800K
	028-055	3200K
	056-083	3600K
	084-111	4500K
	112-139	5000K
	140-167	5600K
	168-195	6200K
	196-223	6800K
	224-251	7500K
	252-255	8500K

18 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine
CH3	000-255	Tilt adjustment 0-270°
CH4	000-255	Tilt fine
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Zoom (narrow-wide)
CH7	000-255	Master dimmer (0-100%)
CH8	000-015	No function
	016-255	Strobe (slow-fast)
CH9	000-255	Red dimmer (0-100%)
CH10	000-255	Green dimmer (0-100%)
CH11	000-255	Blue dimmer (0-100%)
CH12	000-255	Lime dimmer (0-100%)
CH13	000-015	No function
	016-045	Show 1 (fast)
	046-075	Show 2 (slow)
	076-105	Show 3 (forward facing show)
	106-135	Show 4 (multicolour forward facing show)
	136-165	Show 5 (540° multicolour with strobe)
	166-195	Show 6 (540° multicolour without strobe)
	196-225	Show 7 (540° multicolour slow)
	226-255	Show 8 (multicolour forward facing show slow)
CH14	000-255	Sound sensitivity (low-high)
CH15	000-015	No function
	016-255	Colour macros/programs
CH16	000-255	Colour program speed (slow-fast)
CH17	000-127	No function
	128-255	Reset (hold for 5 seconds)
CH18	000	No function
	001-027	2800K
	028-055	3200K
	056-083	3600K
	084-111	4500K
	112-139	5000K
	140-167	5600K
	168-195	6200K
	196-223	6800K
	224-251	7500K
	252-255	8500K

23 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine
CH3	000-255	Tilt adjustment 0-270°
CH4	000-255	Tilt fine
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Zoom (narrow-wide)
CH7	000-255	Master dimmer (0-100%)
CH8	000-015	No function
	016-255	Strobe (slow-fast)
CH9	000-255	Red circle 1 dimmer (0-100%)
CH10	000-255	Green circle 1 dimmer (0-100%)
CH11	000-255	Blue circle 1 dimmer (0-100%)
CH12	000-255	Lime circle 1 dimmer (0-100%)
CH13	000-255	Red circle 2 dimmer (0-100%)
CH14	000-255	Green circle 2 dimmer (0-100%)
CH15	000-255	Blue circle 2 dimmer (0-100%)
CH16	000-255	Lime circle 2 dimmer (0-100%)
CH17	000-255	Red circle 3 dimmer (0-100%)
CH18	000-255	Green circle 3 dimmer (0-100%)
CH19	000-255	Blue circle 3 dimmer (0-100%)
CH20	000-255	Lime circle 3 dimmer (0-100%)
CH21	000-055	No function
	056-105	Linear
	106-155	Square Law
	156-205	Inv. Square Law
	206-255	S-Curve
CH22	000-042	As set in Menu
	043-085	650Hz
	086-128	1500Hz
	129-171	3600Hz
	172-214	12kHz
	215-255	25kHz
CH23	000-127	No function
	128-255	Reset (hold for 5 seconds)

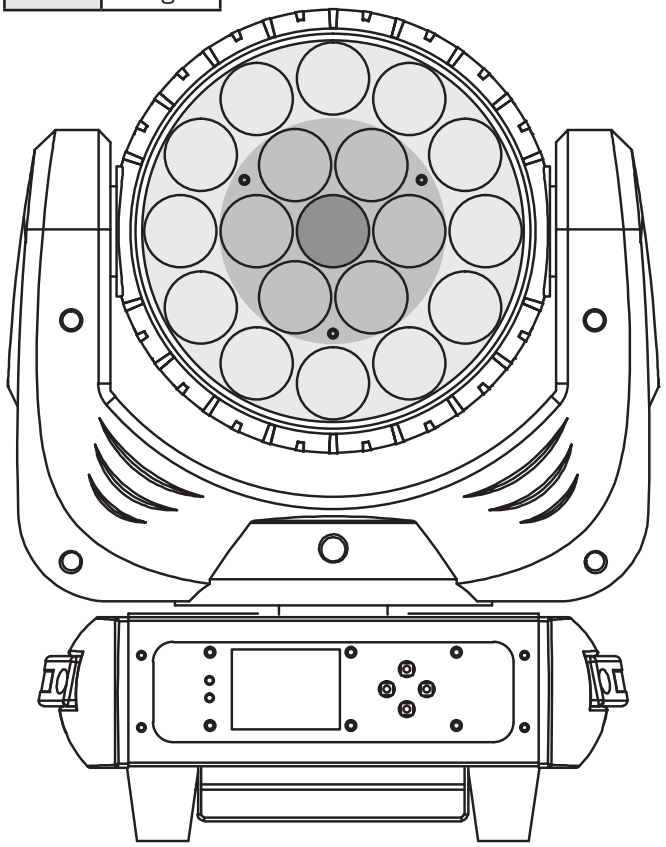
27 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine
CH3	000-255	Tilt adjustment 0-270°
CH4	000-255	Tilt fine
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Zoom (narrow-wide)
CH7	000-255	Master dimmer (0-100%)
CH8	000-015	No function
	016-255	Strobe (slow-fast)
CH9	000-255	Red circle 1 dimmer (0-100%)
CH10	000-255	Green circle 1 dimmer (0-100%)
CH11	000-255	Blue circle 1 dimmer (0-100%)
CH12	000-255	Lime circle 1 dimmer (0-100%)
CH13	000-255	Red circle 2 dimmer (0-100%)
CH14	000-255	Green circle 2 dimmer (0-100%)
CH15	000-255	Blue circle 2 dimmer (0-100%)
CH16	000-255	Lime circle 2 dimmer (0-100%)
CH17	000-255	Red circle 3 dimmer (0-100%)
CH18	000-255	Green circle 3 dimmer (0-100%)
CH19	000-255	Blue circle 3 dimmer (0-100%)
CH20	000-255	Lime circle 3 dimmer (0-100%)
CH21	000-015	No function
	016-045	Show 1 (fast)
	046-075	Show 2 (slow)
	076-105	Show 3 (forward facing show)
	106-135	Show 4 (multicolour forward facing show)
	136-165	Show 5 (540° multicolour with strobe)
	166-195	Show 6 (540° multicolour without strobe)
	196-225	Show 7 (540° multicolour slow)
	226-255	Show 8 (multicolour forward facing show slow)
CH22	000-255	Sound sensitivity (low-high)
CH23	000-015	No function
	016-255	Colour macros/programs with zoom
CH24	000-015	No function
	016-255	Colour macros/programs without zoom
CH25	000-255	Colour program speed (slow-fast)
CH26	000-127	No function
	128-255	Reset (hold for 5 seconds)

27 channel mode (cont.):

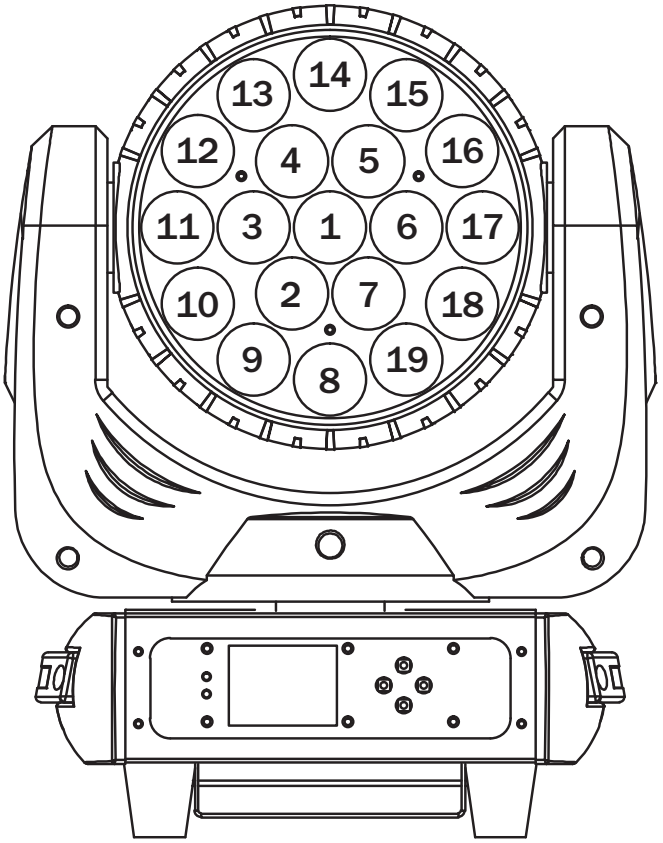
Channel	Value	Function
CH27	000	No function
	001-027	2800K
	028-055	3200K
	056-083	3600K
	084-111	4500K
	112-139	5000K
	140-167	5600K
	168-195	6200K
	196-223	6800K
	224-251	7500K
	252-255	8500K

	Ring 1
	Ring 2
	Ring 3



85 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine
CH3	000-255	Tilt adjustment 0-270°
CH4	000-255	Tilt fine
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Zoom (narrow-wide)
CH7	000-255	Master dimmer (0-100%)
CH8	000-015	No function
	016-255	Strobe (slow-fast)
CH9	000-255	Red dimmer 1 (0-100%)
CH10	000-255	Green dimmer 1 (0-100%)
CH11	000-255	Blue dimmer 1 (0-100%)
CH12	000-255	Lime dimmer 1 (0-100%)
CH13	000-255	Red dimmer 2 (0-100%)
CH14	000-255	Green dimmer 2 (0-100%)
CH15	000-255	Blue dimmer 2 (0-100%)
CH16	000-255	Lime dimmer 2 (0-100%)
CH17	000-255	Red dimmer 3 (0-100%)
CH18	000-255	Green dimmer 3 (0-100%)
CH19	000-255	Blue dimmer 3 (0-100%)
CH20	000-255	Lime dimmer 3 (0-100%)
CH21	000-255	Red dimmer 4 (0-100%)
CH22	000-255	Green dimmer 4 (0-100%)
CH23	000-255	Blue dimmer 4 (0-100%)
CH24	000-255	Lime dimmer 4 (0-100%)
CH25	000-255	Red dimmer 5 (0-100%)
CH26	000-255	Green dimmer 5 (0-100%)
CH27	000-255	Blue dimmer 5 (0-100%)
CH28	000-255	Lime dimmer 5 (0-100%)
CH29	000-255	Red dimmer 6 (0-100%)
CH30	000-255	Green dimmer 6 (0-100%)
CH31	000-255	Blue dimmer 6 (0-100%)
CH32	000-255	Lime dimmer 6 (0-100%)
CH33	000-255	Red dimmer 7 (0-100%)
CH34	000-255	Green dimmer 7 (0-100%)
CH35	000-255	Blue dimmer 7 (0-100%)
CH36	000-255	Lime dimmer 7(0-100%)
CH37	000-255	Red dimmer 8 (0-100%)
CH38	000-255	Green dimmer 8 (0-100%)
CH39	000-255	Blue dimmer 8 (0-100%)
CH40	000-255	Lime dimmer 8 (0-100%)



85 channel mode (cont.):

Channel	Value	Function
CH41	000-255	Red dimmer 9 (0-100%)
CH42	000-255	Green dimmer 9 (0-100%)
CH43	000-255	Blue dimmer 9 (0-100%)
CH44	000-255	Lime dimmer 9 (0-100%)
CH45	000-255	Red dimmer 10 (0-100%)
CH46	000-255	Green dimmer 10 (0-100%)
CH47	000-255	Blue dimmer 10 (0-100%)
CH48	000-255	Lime dimmer 10 (0-100%)
CH49	000-255	Red dimmer 11 (0-100%)
CH50	000-255	Green dimmer 11 (0-100%)
CH51	000-255	Blue dimmer 11 (0-100%)
CH52	000-255	Lime dimmer 11 (0-100%)
CH53	000-255	Red dimmer 12 (0-100%)
CH54	000-255	Green dimmer 12 (0-100%)
CH55	000-255	Blue dimmer 12 (0-100%)
CH56	000-255	Lime dimmer 12 (0-100%)
CH57	000-255	Red dimmer 13 (0-100%)
CH58	000-255	Green dimmer 13 (0-100%)
CH59	000-255	Blue dimmer 13 (0-100%)
CH60	000-255	Lime dimmer 13 (0-100%)
CH61	000-255	Red dimmer 14 (0-100%)
CH62	000-255	Green dimmer 14 (0-100%)
CH63	000-255	Blue dimmer 14 (0-100%)
CH64	000-255	Lime dimmer 14 (0-100%)
CH65	000-255	Red dimmer 15 (0-100%)
CH66	000-255	Green dimmer 15 (0-100%)
CH67	000-255	Blue dimmer 15 (0-100%)
CH68	000-255	Lime dimmer 15 (0-100%)
CH69	000-255	Red dimmer 16 (0-100%)
CH70	000-255	Green dimmer 16 (0-100%)
CH71	000-255	Blue dimmer 16 (0-100%)
CH72	000-255	Lime dimmer 16 (0-100%)
CH73	000-255	Red dimmer 17 (0-100%)
CH74	000-255	Green dimmer 17 (0-100%)
CH75	000-255	Blue dimmer 17 (0-100%)
CH76	000-255	Lime dimmer 17 (0-100%)
CH77	000-255	Red dimmer 18 (0-100%)
CH78	000-255	Green dimmer 18 (0-100%)
CH79	000-255	Blue dimmer 18 (0-100%)
CH80	000-255	Lime dimmer 18 (0-100%)

85 channel mode (cont.):

Channel	Value	Function
CH81	000-255	Red dimmer 19 (0-100%)
CH82	000-255	Green dimmer 19 (0-100%)
CH83	000-255	Blue dimmer 19(0-100%)
CH84	000-255	Lime dimmer 19 (0-100%)
CH85	000	No function
	001-027	2800K
	028-055	3200K
	056-083	3600K
	084-111	4500K
	112-139	5000K
	140-167	5600K
	168-195	6200K
	196-223	6800K
	224-251	7500K
	252-255	8500K

93 channel mode:

Channel	Value	Function
CH1	000-255	Pan adjustment 0-540°
CH2	000-255	Pan fine
CH3	000-255	Tilt adjustment 0-270°
CH4	000-255	Tilt fine
CH5	000-255	Pan/tilt speed (fast-slow)
CH6	000-255	Zoom (narrow-wide)
CH7	000-255	Master dimmer (0-100%)
CH8	000-015	No function
	016-255	Strobe (slow-fast)
CH9	000-255	Red dimmer 1 (0-100%)
CH10	000-255	Green dimmer 1 (0-100%)
CH11	000-255	Blue dimmer 1 (0-100%)
CH12	000-255	Lime dimmer 1 (0-100%)
CH13	000-255	Red dimmer 2 (0-100%)
CH14	000-255	Green dimmer 2 (0-100%)
CH15	000-255	Blue dimmer 2 (0-100%)
CH16	000-255	Lime dimmer 2 (0-100%)
CH17	000-255	Red dimmer 3 (0-100%)
CH18	000-255	Green dimmer 3 (0-100%)
CH19	000-255	Blue dimmer 3 (0-100%)
CH20	000-255	Lime dimmer 3 (0-100%)
CH21	000-255	Red dimmer 4 (0-100%)
CH22	000-255	Green dimmer 4 (0-100%)
CH23	000-255	Blue dimmer 4 (0-100%)
CH24	000-255	Lime dimmer 4 (0-100%)
CH25	000-255	Red dimmer 5 (0-100%)
CH26	000-255	Green dimmer 5 (0-100%)
CH27	000-255	Blue dimmer 5 (0-100%)
CH28	000-255	Lime dimmer 5 (0-100%)
CH29	000-255	Red dimmer 6 (0-100%)
CH30	000-255	Green dimmer 6 (0-100%)
CH31	000-255	Blue dimmer 6 (0-100%)
CH32	000-255	Lime dimmer 6 (0-100%)
CH33	000-255	Red dimmer 7 (0-100%)
CH34	000-255	Green dimmer 7 (0-100%)
CH35	000-255	Blue dimmer 7 (0-100%)
CH36	000-255	Lime dimmer 7(0-100%)
CH37	000-255	Red dimmer 8 (0-100%)
CH38	000-255	Green dimmer 8 (0-100%)
CH39	000-255	Blue dimmer 8 (0-100%)
CH40	000-255	Lime dimmer 8 (0-100%)

93 channel mode (cont.):

Channel	Value	Function
CH41	000-255	Red dimmer 9 (0-100%)
CH42	000-255	Green dimmer 9 (0-100%)
CH43	000-255	Blue dimmer 9 (0-100%)
CH44	000-255	Lime dimmer 9 (0-100%)
CH45	000-255	Red dimmer 10 (0-100%)
CH46	000-255	Green dimmer 10 (0-100%)
CH47	000-255	Blue dimmer 10 (0-100%)
CH48	000-255	Lime dimmer 10 (0-100%)
CH49	000-255	Red dimmer 11 (0-100%)
CH50	000-255	Green dimmer 11 (0-100%)
CH51	000-255	Blue dimmer 11 (0-100%)
CH52	000-255	Lime dimmer 11 (0-100%)
CH53	000-255	Red dimmer 12 (0-100%)
CH54	000-255	Green dimmer 12 (0-100%)
CH55	000-255	Blue dimmer 12 (0-100%)
CH56	000-255	Lime dimmer 12 (0-100%)
CH57	000-255	Red dimmer 13 (0-100%)
CH58	000-255	Green dimmer 13 (0-100%)
CH59	000-255	Blue dimmer 13 (0-100%)
CH60	000-255	Lime dimmer 13 (0-100%)
CH61	000-255	Red dimmer 14 (0-100%)
CH62	000-255	Green dimmer 14 (0-100%)
CH63	000-255	Blue dimmer 14 (0-100%)
CH64	000-255	Lime dimmer 14 (0-100%)
CH65	000-255	Red dimmer 15 (0-100%)
CH66	000-255	Green dimmer 15 (0-100%)
CH67	000-255	Blue dimmer 15 (0-100%)
CH68	000-255	Lime dimmer 15 (0-100%)
CH69	000-255	Red dimmer 16 (0-100%)
CH70	000-255	Green dimmer 16 (0-100%)
CH71	000-255	Blue dimmer 16 (0-100%)
CH72	000-255	Lime dimmer 16 (0-100%)
CH73	000-255	Red dimmer 17 (0-100%)
CH74	000-255	Green dimmer 17 (0-100%)
CH75	000-255	Blue dimmer 17 (0-100%)
CH76	000-255	Lime dimmer 17 (0-100%)
CH77	000-255	Red dimmer 18 (0-100%)
CH78	000-255	Green dimmer 18 (0-100%)
CH79	000-255	Blue dimmer 18 (0-100%)
CH80	000-255	Lime dimmer 18 (0-100%)
CH81	000-255	Red dimmer 19 (0-100%)

93 channel mode (cont.):

Channel	Value	Function
CH82	000-255	Green dimmer 19 (0-100%)
CH83	000-255	Blue dimmer 19 (0-100%)
CH84	000-255	Lime dimmer 19 (0-100%)
CH85	000-015	No function
	016-045	Show 1 (fast)
	046-075	Show 2 (slow)
	076-105	Show 3 (forward facing show)
	106-135	Show 4 (multicolour forward facing show)
	136-165	Show 5 (540° multicolour with strobe)
	166-195	Show 6 (540° multicolour without strobe)
	196-225	Show 7 (540° multicolour slow)
	226-255	Show 8 (multicolour forward facing show slow)
CH86	000-255	Sound sensitivity (low-high)
CH87	000-015	No function
	016-255	Colour macros/programs with zoom
CH88	000-015	No function
	016-255	Colour macros/programs without zoom
CH89	000-255	Colour program speed (slow-fast)
CH90	000-055	No function
	056-105	Linear
	106-155	Square Law
	156-205	Inv. Square Law
	206-255	S-Curve
CH91	000-042	As set in Menu
	043-085	650Hz
	086-128	1500Hz
	129-171	3600Hz
	172-214	12kHz
	215-255	25kHz
CH92	000-127	No function
	128-255	Reset (hold for 5 seconds)
CH93	000	No function
	001-027	2800K
	028-055	3200K
	056-083	3600K
	084-111	4500K
	112-139	5000K
	140-167	5600K
	168-195	6200K
	196-223	6800K
	224-251	7500K
	252-255	8500K

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 manufacturers 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 an 5-pin XLR connector for data input/output,
see images below.

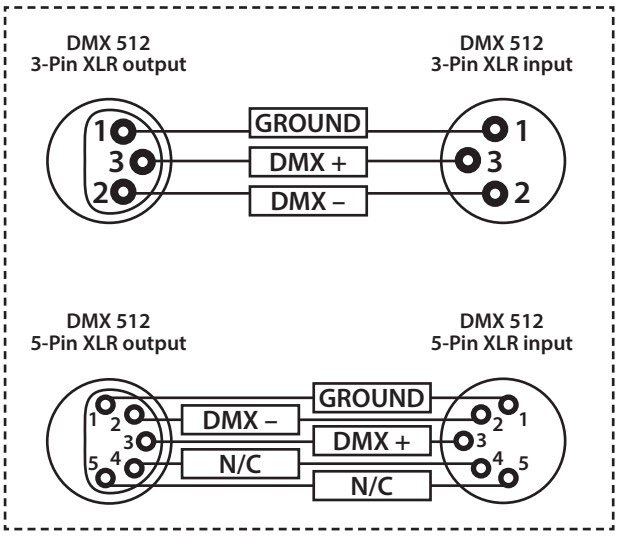
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
Please quote: 5-Pin: **CABL185 – 2m** **CABL187 – 5m** **CABL188 – 10m**

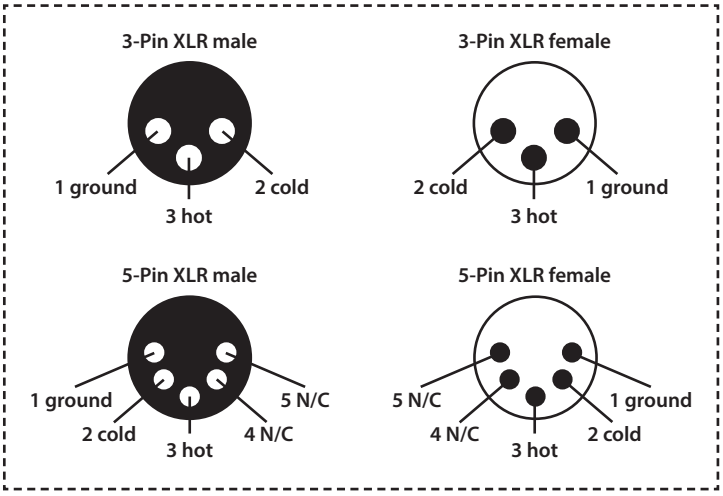
Also remember that DMX cable must be daisy chained and cannot be split.

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

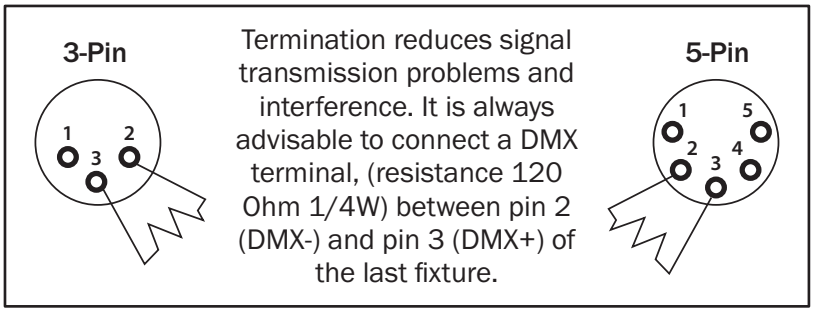




Line termination:

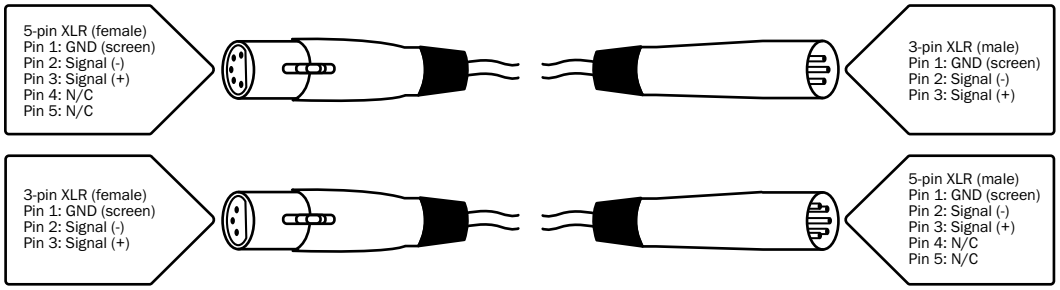
When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

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:

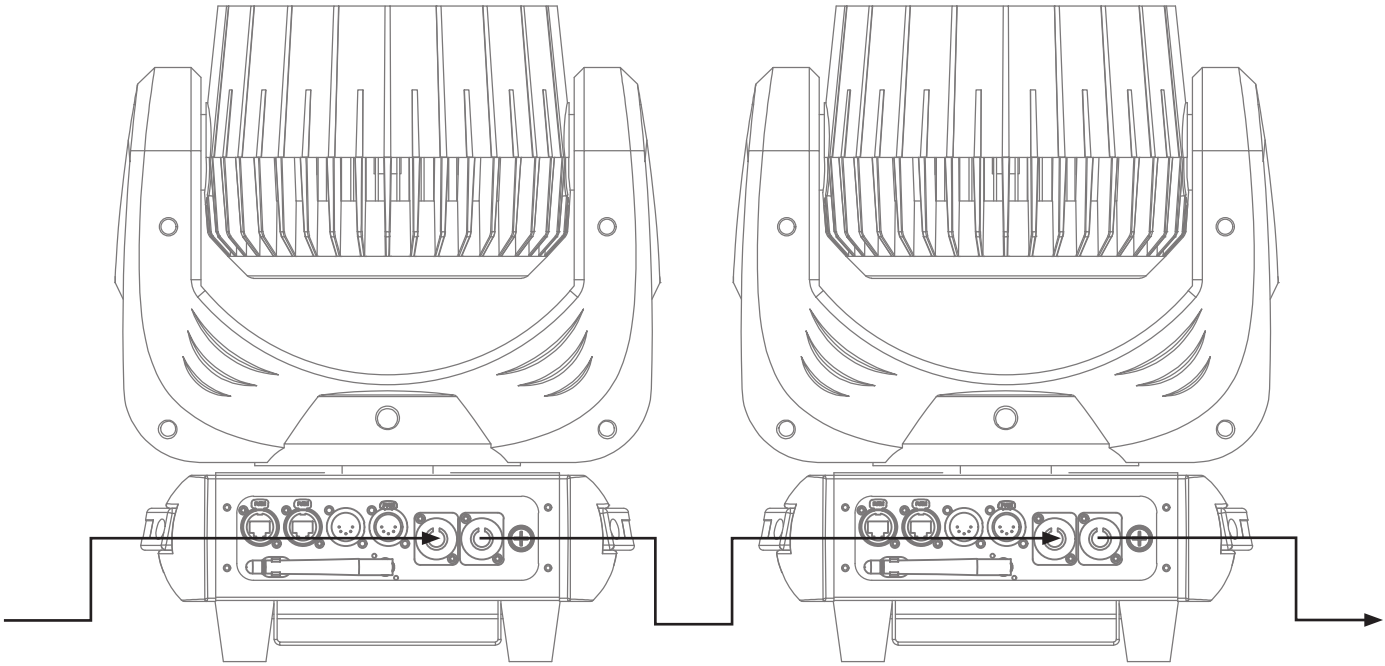
Some manufacturers use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 8 fixtures @ 240V or 4 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 Fusion 260ZP 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.