

elumen8

Matrix Tri Pixel Panel 25 MKII

User Manual



Order code: ELUM085

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- This fixture is designed for non constant illumination. It is not suitable for use as a stage wash type illumination over prolonged periods of time.
- 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: Two years 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.

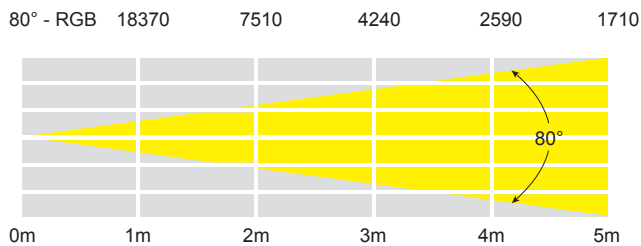
Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

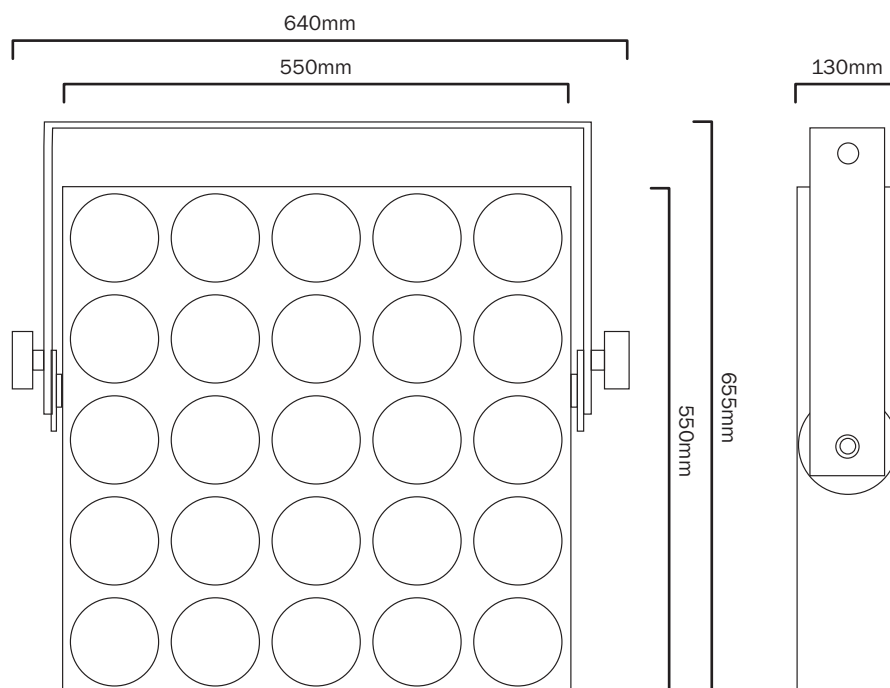
Tri Pixel Panel 25 MKII

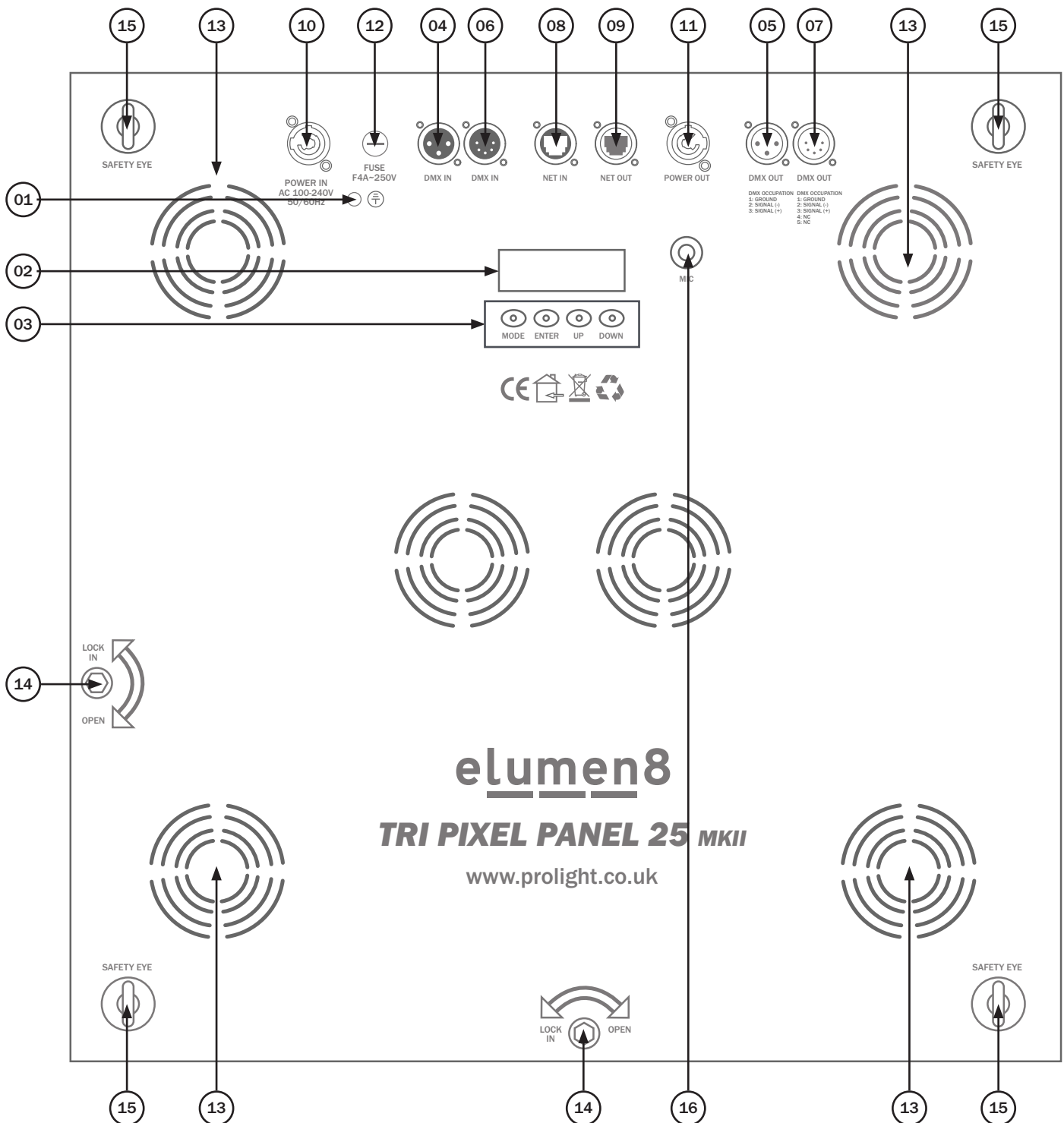
The Tri Pixel Panel 25 offers full pixel map technology within a rugged chassis featuring rigging and array options to allow lighting designers to create stunning effects. 30W COB tri-colour LEDs deliver a full spectrum of colours, and has a wide range of built-in DMX personalities to simplify integration and compatibility with a wide range of DMX consoles.

- 25 x 30W tri-colour COB LEDs (RGB)
- Beam angle: 80°
- 1.1kHz refresh rate
- Individually addressable LEDs
- DMX channels: 3/5/6/25CW/25WW/26/75/76/78 or 100 selectable
- Sound active, auto and master/slave modes plus built-in programs
- 0-100% dimming and variable strobe
- Supplied with individual flying yoke
- 4 push button menu with LCD display
- PowerCON input/output
- RJ45 Ethernet input/output
- 3-Pin XLR input/output
- 5-Pin XLR input/output
- Temperature controlled cooling fans
- Quarter turn quick lock rigging system



| Specifications | Tri Pixel Panel 25 MKII |
|----------------------------|-------------------------|
| Power consumption | 780W |
| Power supply | 100~240V, 50/60Hz |
| Dimensions with bracket | 655 x 640 x 120mm |
| Dimensions without bracket | 550 x 550 x 120mm |
| Weight | 18.5kg |
| Order code | ELUM085 |





- 01 - Earth point
- 02 - LCD display
- 03 - Function buttons
- 04 - 3-Pin DMX input
- 05 - 3-Pin DMX output
- 06 - 5-Pin DMX input
- 07 - 5-Pin DMX output
- 08 - RJ45 Ethernet Artnet input

- 09 - RJ45 Ethernet Artnet output
- 10 - PowerCON input
- 11 - PowerCON output
- 12 - Fuse F4A 250V
- 13 - Fans
- 14 - Quarter turn quick lock rigging system
- 15 - Safety eyes
- 16 - Microphone

In the box: **1 x fixture,**
1 x flying yoke bracket,
1 x 13A powerCON
mains cable &
1 x user manual

DMX mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX mode, press the “**MODE**” button on the rear of the unit to show “**DMX MODE**” 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 again and use the “**UP**” and “**DOWN**” buttons to choose the DMX channel mode required 3/5/6/25C/25W/26/75/76/78 or 100. Press the “**ENTER**” button to confirm the setting.

To exit out of any of the above options, press the “**MODE**” button.

3 channel mode:

| Channel | Value | Function |
|---------|---------|----------------|
| 1 | 000-255 | Red (0-100%) |
| 2 | 000-255 | Green (0-100%) |
| 3 | 000-255 | Blue (0-100%) |

5 channel mode:

| Channel | Value | Function |
|---------|---------|--------------------------|
| 1 | 000-255 | Red (0-100%) |
| 2 | 000-255 | Green (0-100%) |
| 3 | 000-255 | Blue (0-100%) |
| 4 | 000-255 | Master dimmer (0-100%) |
| 5 | 000 | No function |
| | 001-005 | Sound active (7 colours) |
| | 006-010 | No function |
| | 011-255 | Strobe (slow-fast) |

6 channel mode:

| Channel | Value | Function |
|---------|---------|----------------------------|
| 1 | 000-255 | Master dimmer (0-100%) |
| 2 | 000-149 | Static pattern |
| | 150-255 | Moving pattern (slow-fast) |
| 3 | 000-255 | Pattern selector |
| 4 | 000-099 | Letters A-Z |
| | 100-199 | Numbers 1-9 |
| | 200-255 | Patterns |
| 5 | 000-255 | Pattern colour selector |
| 6 | 000-255 | Background colour selector |

25C (cool white) channel mode:

| Channel | Value | Function |
|---------|---------|-----------------|
| 1 | 000-255 | LED 1 (0-100%) |
| 2 | 000-255 | LED 2 (0-100%) |
| 3 | 000-255 | LED 3 (0-100%) |
| 4 | 000-255 | LED 4 (0-100%) |
| 5 | 000-255 | LED 5 (0-100%) |
| 6 | 000-255 | LED 6 (0-100%) |
| 7 | 000-255 | LED 7 (0-100%) |
| 8 | 000-255 | LED 8 (0-100%) |
| 9 | 000-255 | LED 9 (0-100%) |
| 10 | 000-255 | LED 10 (0-100%) |
| 11 | 000-255 | LED 11 (0-100%) |
| 12 | 000-255 | LED 12 (0-100%) |
| 13 | 000-255 | LED 13 (0-100%) |
| 14 | 000-255 | LED 14 (0-100%) |
| 15 | 000-255 | LED 15 (0-100%) |
| 16 | 000-255 | LED 16 (0-100%) |
| 17 | 000-255 | LED 17 (0-100%) |
| 18 | 000-255 | LED 18 (0-100%) |
| 19 | 000-255 | LED 19 (0-100%) |
| 20 | 000-255 | LED 20 (0-100%) |
| 21 | 000-255 | LED 21 (0-100%) |
| 22 | 000-255 | LED 22 (0-100%) |
| 23 | 000-255 | LED 23 (0-100%) |
| 24 | 000-255 | LED 24 (0-100%) |
| 25 | 000-255 | LED 25 (0-100%) |

25W (warm white) channel mode:

| Channel | Value | Function |
|---------|---------|-----------------|
| 1 | 000-255 | LED 1 (0-100%) |
| 2 | 000-255 | LED 2 (0-100%) |
| 3 | 000-255 | LED 3 (0-100%) |
| 4 | 000-255 | LED 4 (0-100%) |
| 5 | 000-255 | LED 5 (0-100%) |
| 6 | 000-255 | LED 6 (0-100%) |
| 7 | 000-255 | LED 7 (0-100%) |
| 8 | 000-255 | LED 8 (0-100%) |
| 9 | 000-255 | LED 9 (0-100%) |
| 10 | 000-255 | LED 10 (0-100%) |
| 11 | 000-255 | LED 11 (0-100%) |
| 12 | 000-255 | LED 12 (0-100%) |
| 13 | 000-255 | LED 13 (0-100%) |
| 14 | 000-255 | LED 14 (0-100%) |
| 15 | 000-255 | LED 15 (0-100%) |
| 16 | 000-255 | LED 16 (0-100%) |
| 17 | 000-255 | LED 17 (0-100%) |
| 18 | 000-255 | LED 18 (0-100%) |
| 19 | 000-255 | LED 19 (0-100%) |
| 20 | 000-255 | LED 20 (0-100%) |
| 21 | 000-255 | LED 21 (0-100%) |
| 22 | 000-255 | LED 22 (0-100%) |
| 23 | 000-255 | LED 23 (0-100%) |
| 24 | 000-255 | LED 24 (0-100%) |
| 25 | 000-255 | LED 25 (0-100%) |

26 channel mode:

| Channel | Value | Function |
|---------|---------|---------------------------|
| 1 | 000-255 | LED 1 (0-100%) |
| 2 | 000-255 | LED 2 (0-100%) |
| 3 | 000-255 | LED 3 (0-100%) |
| 4 | 000-255 | LED 4 (0-100%) |
| 5 | 000-255 | LED 5 (0-100%) |
| 6 | 000-255 | LED 6 (0-100%) |
| 7 | 000-255 | LED 7 (0-100%) |
| 8 | 000-255 | LED 8 (0-100%) |
| 9 | 000-255 | LED 9 (0-100%) |
| 10 | 000-255 | LED 10 (0-100%) |
| 11 | 000-255 | LED 11 (0-100%) |
| 12 | 000-255 | LED 12 (0-100%) |
| 13 | 000-255 | LED 13 (0-100%) |
| 14 | 000-255 | LED 14 (0-100%) |
| 15 | 000-255 | LED 15 (0-100%) |
| 16 | 000-255 | LED 16 (0-100%) |
| 17 | 000-255 | LED 17 (0-100%) |
| 18 | 000-255 | LED 18 (0-100%) |
| 19 | 000-255 | LED 19 (0-100%) |
| 20 | 000-255 | LED 20 (0-100%) |
| 21 | 000-255 | LED 21 (0-100%) |
| 22 | 000-255 | LED 22 (0-100%) |
| 23 | 000-255 | LED 23 (0-100%) |
| 24 | 000-255 | LED 24 (0-100%) |
| 25 | 000-255 | LED 25 (0-100%) |
| 26 | 000-025 | Red |
| | 026-050 | Green |
| | 051-075 | Blue |
| | 076-100 | Yellow |
| | 101-125 | Pink |
| | 126-150 | Purple |
| | 151-175 | Cool white |
| | 176-200 | Warm white |
| | 201-225 | Colour fade (slow-fast) |
| | 226-255 | Colour change (slow-fast) |

75 channel mode:

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | CH7 | CH8 | CH9 | CH10 | CH11 | CH12 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| R1 (0-100%) | G1 (0-100%) | B1 (0-100%) | R2 (0-100%) | G2 (0-100%) | B2 (0-100%) | R3 (0-100%) | G3 (0-100%) | B3 (0-100%) | R4 (0-100%) | G4 (0-100%) | B4 (0-100%) |

| CH13 | CH14 | CH15 | CH16 | CH17 | CH18 | CH19 | CH20 | CH21 | CH22 | CH23 | CH24 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| R5 (0-100%) | G5 (0-100%) | B5 (0-100%) | R6 (0-100%) | G6 (0-100%) | B6 (0-100%) | R7 (0-100%) | G7 (0-100%) | B7 (0-100%) | R8 (0-100%) | G8 (0-100%) | B8 (0-100%) |

| CH25 | CH26 | CH27 | CH28 | CH29 | CH30 | CH31 | CH32 | CH33 | CH34 | CH35 | CH36 |
|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R9 (0-100%) | G9 (0-100%) | B9 (0-100%) | R10 (0-100%) | G10 (0-100%) | B10 (0-100%) | R11 (0-100%) | G11 (0-100%) | B11 (0-100%) | R12 (0-100%) | G12 (0-100%) | B12 (0-100%) |

| CH37 | CH38 | CH39 | CH40 | CH41 | CH42 | CH43 | CH44 | CH45 | CH46 | CH47 | CH48 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R13 (0-100%) | G13 (0-100%) | B13 (0-100%) | R14 (0-100%) | G14 (0-100%) | B14 (0-100%) | R15 (0-100%) | G15 (0-100%) | B15 (0-100%) | R16 (0-100%) | G16 (0-100%) | B16 (0-100%) |

| CH49 | CH50 | CH51 | CH52 | CH53 | CH54 | CH55 | CH56 | CH57 | CH58 | CH59 | CH60 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R17 (0-100%) | G17 (0-100%) | B17 (0-100%) | R18 (0-100%) | G18 (0-100%) | B18 (0-100%) | R19 (0-100%) | G19 (0-100%) | B19 (0-100%) | R20 (0-100%) | G20 (0-100%) | B20 (0-100%) |

| CH61 | CH62 | CH63 | CH64 | CH65 | CH66 | CH67 | CH68 | CH69 | CH70 | CH71 | CH72 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R21 (0-100%) | G21 (0-100%) | B21 (0-100%) | R22 (0-100%) | G22 (0-100%) | B22 (0-100%) | R23 (0-100%) | G23 (0-100%) | B23 (0-100%) | R24 (0-100%) | G24 (0-100%) | B24 (0-100%) |

| CH73 | CH74 | CH75 |
|-----------------|-----------------|-----------------|
| R25 (0-100%) | G25 (0-100%) | B25 (0-100%) |

76 channel mode:

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | CH7 | CH8 | CH9 | CH10 | CH11 | CH12 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| R1 (0-100%) | G1 (0-100%) | B1 (0-100%) | R2 (0-100%) | G2 (0-100%) | B2 (0-100%) | R3 (0-100%) | G3 (0-100%) | B3 (0-100%) | R4 (0-100%) | G4 (0-100%) | B4 (0-100%) |

| CH13 | CH14 | CH15 | CH16 | CH17 | CH18 | CH19 | CH20 | CH21 | CH22 | CH23 | CH24 |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| R5 (0-100%) | G5 (0-100%) | B5 (0-100%) | R6 (0-100%) | G6 (0-100%) | B6 (0-100%) | R7 (0-100%) | G7 (0-100%) | B7 (0-100%) | R8 (0-100%) | G8 (0-100%) | B8 (0-100%) |

| CH25 | CH26 | CH27 | CH28 | CH29 | CH30 | CH31 | CH32 | CH33 | CH34 | CH35 | CH36 |
|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R9 (0-100%) | G9 (0-100%) | B9 (0-100%) | R10 (0-100%) | G10 (0-100%) | B10 (0-100%) | R11 (0-100%) | G11 (0-100%) | B11 (0-100%) | R12 (0-100%) | G12 (0-100%) | B12 (0-100%) |

| CH37 | CH38 | CH39 | CH40 | CH41 | CH42 | CH43 | CH44 | CH45 | CH46 | CH47 | CH48 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R13 (0-100%) | G13 (0-100%) | B13 (0-100%) | R14 (0-100%) | G14 (0-100%) | B14 (0-100%) | R15 (0-100%) | G15 (0-100%) | B15 (0-100%) | R16 (0-100%) | G16 (0-100%) | B16 (0-100%) |

| CH49 | CH50 | CH51 | CH52 | CH53 | CH54 | CH55 | CH56 | CH57 | CH58 | CH59 | CH60 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R17 (0-100%) | G17 (0-100%) | B17 (0-100%) | R18 (0-100%) | G18 (0-100%) | B18 (0-100%) | R19 (0-100%) | G19 (0-100%) | B19 (0-100%) | R20 (0-100%) | G20 (0-100%) | B20 (0-100%) |

| CH61 | CH62 | CH63 | CH64 | CH65 | CH66 | CH67 | CH68 | CH69 | CH70 | CH71 | CH72 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| R21 (0-100%) | G21 (0-100%) | B21 (0-100%) | R22 (0-100%) | G22 (0-100%) | B22 (0-100%) | R23 (0-100%) | G23 (0-100%) | B23 (0-100%) | R24 (0-100%) | G24 (0-100%) | B24 (0-100%) |

| CH73 | CH74 | CH75 | CH76 |
|-----------------|-----------------|-----------------|---------------------------|
| R25 (0-100%) | G25 (0-100%) | B25 (0-100%) | Master dimmer (0-100%) |

78 channel mode:

| Value | CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | CH7 | CH8 | ...CH78 |
|---------|--------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 000-015 | No function | Master dimmer | Flash (slow-fast) | R1 (0-100%) | G1 (0-100%) | B1 (0-100%) | R2 (0-100%) | G2 (0-100%) | ...B25 (0-100%) |
| 016-023 | R | Dimmer (0-100%) | | | | | | | |
| 024-031 | G | | | | | | | | |
| 032-039 | B | | | | | | | | |
| 040-047 | RG | | | | | | | | |
| 048-055 | GB | | | | | | | | |
| 056-063 | RB | | | | | | | | |
| 064-071 | RGB | | | | | | | | |
| 072-079 | Colour 1 | | | | | | | | |
| 080-087 | Colour 2 | | | | | | | | |
| 088-095 | Colour 3 | | | | | | | | |
| 096-103 | Colour 4 | | | | | | | | |
| 104-111 | Colour 5 | | | | | | | | |
| 112-119 | Colour 6 | | | | | | | | |
| 120-127 | Colour 7 | | | | | | | | |
| 128-135 | Colour 8 | | | | | | | | |
| 136-143 | Dream | Speed (slow-fast) | | | | | | | |
| 144-151 | Meteor | | | | | | | | |
| 152-159 | Fade | | | | | | | | |
| 160-167 | Change | | | | | | | | |
| 168-175 | Flow 1 | | | | | | | | |
| 176-183 | Flow 2 | | | | | | | | |
| 184-191 | Flow 3 | | | | | | | | |
| 192-199 | Flow 4 | | | | | | | | |
| 200-207 | Flow 5 | | | | | | | | |
| 208-215 | Flow 6 | | | | | | | | |
| 216-223 | Flow 7 | | | | | | | | |
| 224-231 | Flow 8 | | | | | | | | |
| 232-239 | Flow 9 | | | | | | | | |
| 240-255 | Sound active | | | | | | | | |

100 channel mode:

| CH1 | CH2 | CH3 | CH4 | CH5 | CH6 | CH7 | CH8 | CH9 | CH10 | CH11 | CH12 |
|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|
| R1 (0-100%) | G1 (0-100%) | B1 (0-100%) | Dimmer 1 (0-100%) | R2 (0-100%) | G2 (0-100%) | B2 (0-100%) | Dimmer 2 (0-100%) | R3 (0-100%) | G3 (0-100%) | B3 (0-100%) | Dimmer 3 (0-100%) |

| CH13 | CH14 | CH15 | CH16 | CH17 | CH18 | CH19 | CH20 | CH21 | CH22 | CH23 | CH24 |
|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|
| R4 (0-100%) | G4 (0-100%) | B4 (0-100%) | Dimmer 4 (0-100%) | R5 (0-100%) | G5 (0-100%) | B5 (0-100%) | Dimmer 5 (0-100%) | R6 (0-100%) | G6 (0-100%) | B6 (0-100%) | Dimmer 6 (0-100%) |

| CH25 | CH26 | CH27 | CH28 | CH29 | CH30 | CH31 | CH32 | CH33 | CH34 | CH35 | CH36 |
|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|-------------------------|
| R7 (0-100%) | G7 (0-100%) | B7 (0-100%) | Dimmer 7 (0-100%) | R8 (0-100%) | G8 (0-100%) | B8 (0-100%) | Dimmer 8 (0-100%) | R9 (0-100%) | G9 (0-100%) | B9 (0-100%) | Dimmer 9 (0-100%) |

| CH37 | CH38 | CH39 | CH40 | CH41 | CH42 | CH43 | CH44 | CH45 | CH46 | CH47 | CH48 |
|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| R10 (0-100%) | G10 (0-100%) | B10 (0-100%) | Dimmer 10 (0-100%) | R11 (0-100%) | G11 (0-100%) | B11 (0-100%) | Dimmer 11 (0-100%) | R12 (0-100%) | G12 (0-100%) | B12 (0-100%) | Dimmer 12 (0-100%) |

| CH49 | CH50 | CH51 | CH52 | CH53 | CH54 | CH55 | CH56 | CH57 | CH58 | CH59 | CH60 |
|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| R13 (0-100%) | G13 (0-100%) | B13 (0-100%) | Dimmer 13 (0-100%) | R14 (0-100%) | G14 (0-100%) | B14 (0-100%) | Dimmer 14 (0-100%) | R15 (0-100%) | G15 (0-100%) | B15 (0-100%) | Dimmer 15 (0-100%) |

| CH61 | CH62 | CH63 | CH64 | CH65 | CH66 | CH67 | CH68 | CH69 | CH70 | CH71 | CH72 |
|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| R16 (0-100%) | G16 (0-100%) | B16 (0-100%) | Dimmer 16 (0-100%) | R17 (0-100%) | G17 (0-100%) | B17 (0-100%) | Dimmer 17 (0-100%) | R18 (0-100%) | G18 (0-100%) | B18 (0-100%) | Dimmer 18 (0-100%) |

| CH73 | CH74 | CH75 | CH76 | CH77 | CH78 | CH79 | CH80 | CH81 | CH82 | CH83 | CH84 |
|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| R19 (0-100%) | G19 (0-100%) | B19 (0-100%) | Dimmer 20 (0-100%) | R20 (0-100%) | G20 (0-100%) | B20 (0-100%) | Dimmer 20 (0-100%) | R21 (0-100%) | G21 (0-100%) | B21 (0-100%) | Dimmer 21 (0-100%) |

| CH85 | CH86 | CH87 | CH88 | CH89 | CH90 | CH91 | CH92 | CH93 | CH94 | CH95 | CH96 |
|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------|--------------------------|
| R22 (0-100%) | G22 (0-100%) | B22 (0-100%) | Dimmer 22 (0-100%) | R23 (0-100%) | G23 (0-100%) | B23 (0-100%) | Dimmer 23 (0-100%) | R24 (0-100%) | G24 (0-100%) | B24 (0-100%) | Dimmer 24 (0-100%) |

| CH97 | CH98 | CH99 | CH100 |
|-----------------|-----------------|-----------------|--------------------------|
| R25 (0-100%) | G25 (0-100%) | B25 (0-100%) | Dimmer 25 (0-100%) |

Sound active mode:

To select the sound active mode, press the **"MODE"** button to show **"SOUND MODE"** on the LCD display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to adjust the sound sensitivity level (SENS00-31) and press the **"ENTER"** button again to adjust the frequency level (FQN01-99). Press the **"ENTER"** button to confirm your setting.

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

Auto mode:

To select the Auto run mode, press the **"MODE"** button to show **"AUTO RUN"** on the LCD display.

Now press the **"ENTER"** button to adjust the frequency level (FQN01-99).

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

The unit will now run all 14 built-in programmes one after another.

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

Slave mode:

To select slave mode, first link the units together via 3-Pin or 5-Pin XLR cable(s), press the **"MODE"** button to show **"SLAVE MODE"** on all of the slave units. Now the slave units will follow in conjunction with the master unit. Press the **"ENTER"** button to confirm your setting.

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

Built-in programs:

To access the built-in program, press the **"MODE"** button to show **"01.STATIC"** on the LCD display.

Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 14 built-in programs (01-14) (see table overleaf).

To choose one of the seven colours in the **"STATIC"** mode, press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the following 15 colours.

To adjust the speed level in the remaining 13 built-in programs, press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the desired speed level (00-99). To adjust the flash speed press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the desired flash speed level (00-99). Press the **"ENTER"** button to confirm your setting.

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

NOTE: The frequency level (FQN01-99) adjusts how many times the program repeats before moving to the next program.

Built-in programs:

| Value | Function |
|---|---|
| Static colour CL: BLAC-RGB Flash: 00-99 | Blackout, Red, Yellow, Green, Cyan, Blue, Purple, White Flash speed adjustable |
| Dream Speed: 00-99 Flash 00-99 | 7 colour dream Speed & flash ajustable |
| Meteor Speed: 00-99 Flash 00-99 | 7 colour flow Speed & flash ajustable |
| Fade Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Change Speed: 00-99 Flash 00-99 | 7 colour change Speed & flash ajustable |
| Flow 1 Speed: 00-99 Flash 00-99 | 7 colour chase Speed & flash ajustable |
| Flow 2 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |

| | |
|---------------------------------------|--|
| Flow 3 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 4 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 5 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 6 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 7 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 8 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |
| Flow 9 Speed: 00-99 Flash 00-99 | 7 colour fade Speed & flash ajustable |

Artnet mode:

To select the artnet mode, press the **“MODE”** button to show **“ETHERNET SET”** on the LCD display. Now press the **“ENTER”** button and use the **“UP”** and **“DOWN”** buttons to access **“NETWORK SWITCH”** or **“FIXTURE ID”** sub menu.

Network switch: Select the **“NETWORK SWITCH”** mode and press the **“ENTER”** button to display the sub menu. Now use the **“UP”** and **“DOWN”** buttons to select **“NETWORK SWITCH ON”** or **“NETWORK SWITCH OFF”**. Press the **“ENTER”** button to confirm selection.

Network IP Address: Select the **“FIXTURE ID”** mode and press **“ENTER”** button to display the sub menu. Now use the **“UP”** and **“DOWN”** buttons to select **“SUB NET MASK”**, **“DEVICE IP ADDRESS”** or the **“UNIVERSE SUB MENU”**.

Universe: The universe may be 0-255. Use the **“UP”** and **“DOWN”** buttons to select the required value and press the **“ENTER”** button to confirm.

Sub Net Mask: Three choices are available 255.000.000.000 / 255.255.000.000 / 255.255.255.000. Use the **“UP”** and **“DOWN”** buttons to select the Required value and press the **“ENTER”** button to confirm.

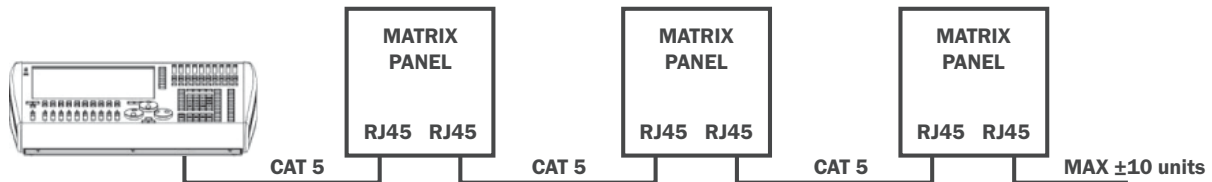
Please note: An IP address in ArtNet topology generally starts with 2.x.x.x or 10.x.x.x with 255.0.0.0 for netmask.

To exit out of any of the above options, press the **“MODE”** button.

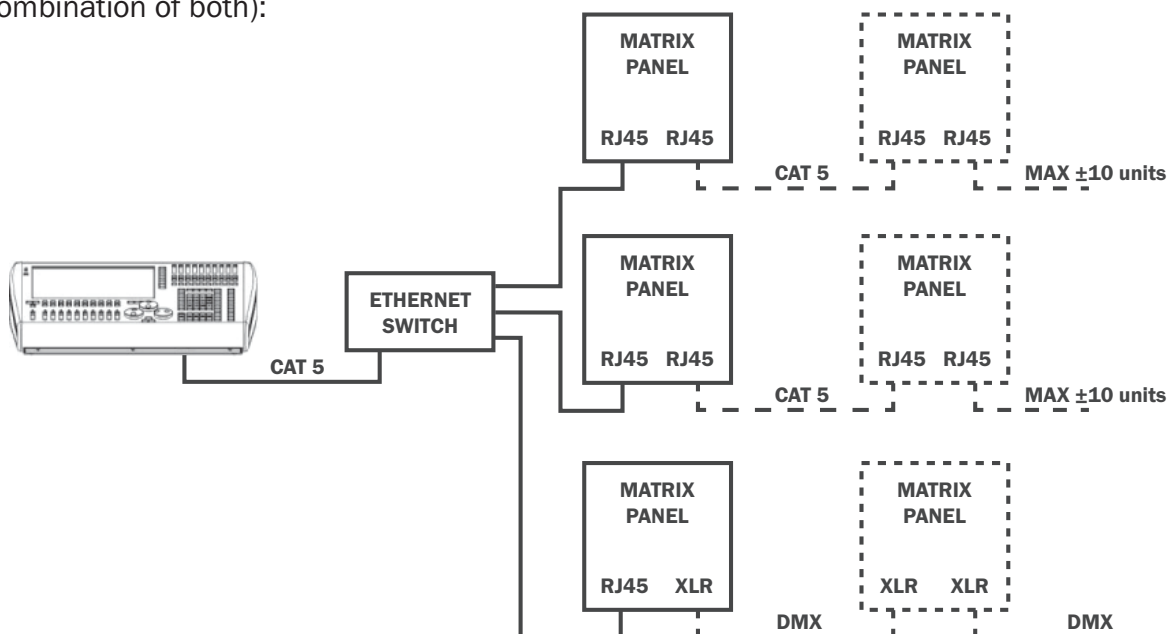
Electrical installation via Ethernet in/out:

Art-Net is nothing more than a protocol for transmitting DMX-512 over an ethernet network, developed by Artistic Licence Engineering (UK) Ltd. Thanks to the much larger bandwidth it is now possible to send to more than 256 DMX-universes at one time.

This unit can be connected in such ethernet network using routers and switches etc. The network topology is exactly the same for a normal PC network. However the IP addresses cannot be obtained via DHCP. See the previous page on how to manually set up the IP address, Net mask and DMX universe.

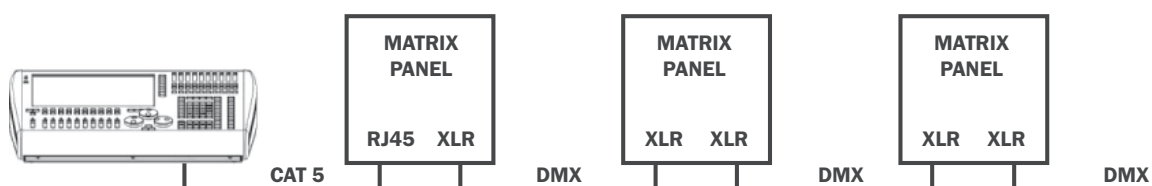


IMPORTANT NOTE: This fixture has both Ethernet input and output so you can daisy chain several units. However the number of units in one chain should be limited to ± 10 units to avoid unwanted signal delays. In bigger installations you should use the “STAR-topology” using ethernet switches (or a combination of both):



Internally the selected DMX universe is treated as a normal DMX-signal so further setup of the DMX address and channel mode should be done as usual.

Thanks to the internal Art-Net node all 512 channels of the selected DMX universe are automatically converted from Art-Net to the DMX output. They can be used to control other DMX equipment also.



Rigging:

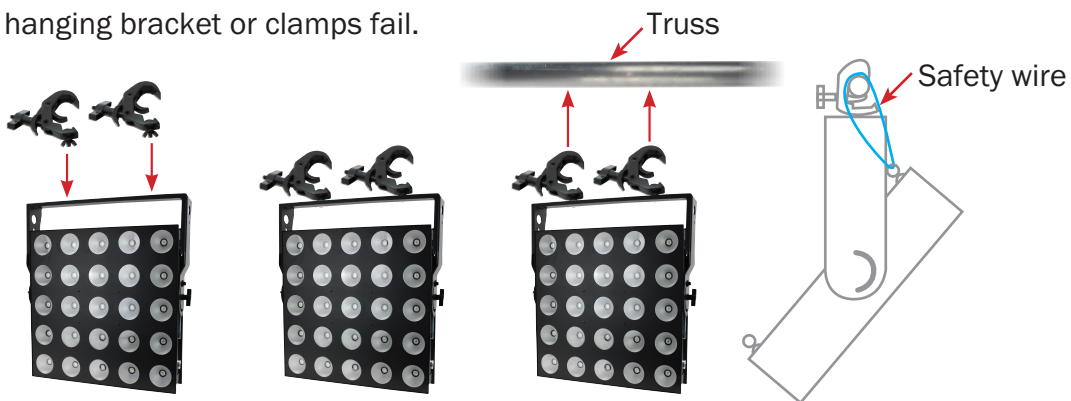
NOTE: The installation of this unit must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to the property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used and the installed unit should be inspected regular intervals for safety.

Before rigging overhead:

- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold a minimum point load of 10 times the device's weight.
- Always use a certified safety cable that can hold 12 times the weight of the device when installing the unit. This secondary safety attachment should be installed in a way that no part of the installation can drop more than 20cm if the main attachment fails.
- The device should be well fixed; a free-swinging mounting is dangerous and should not be used.
- Don't cover any ventilation openings as this may result in overheating.

Rigging with supplied hanging bracket:

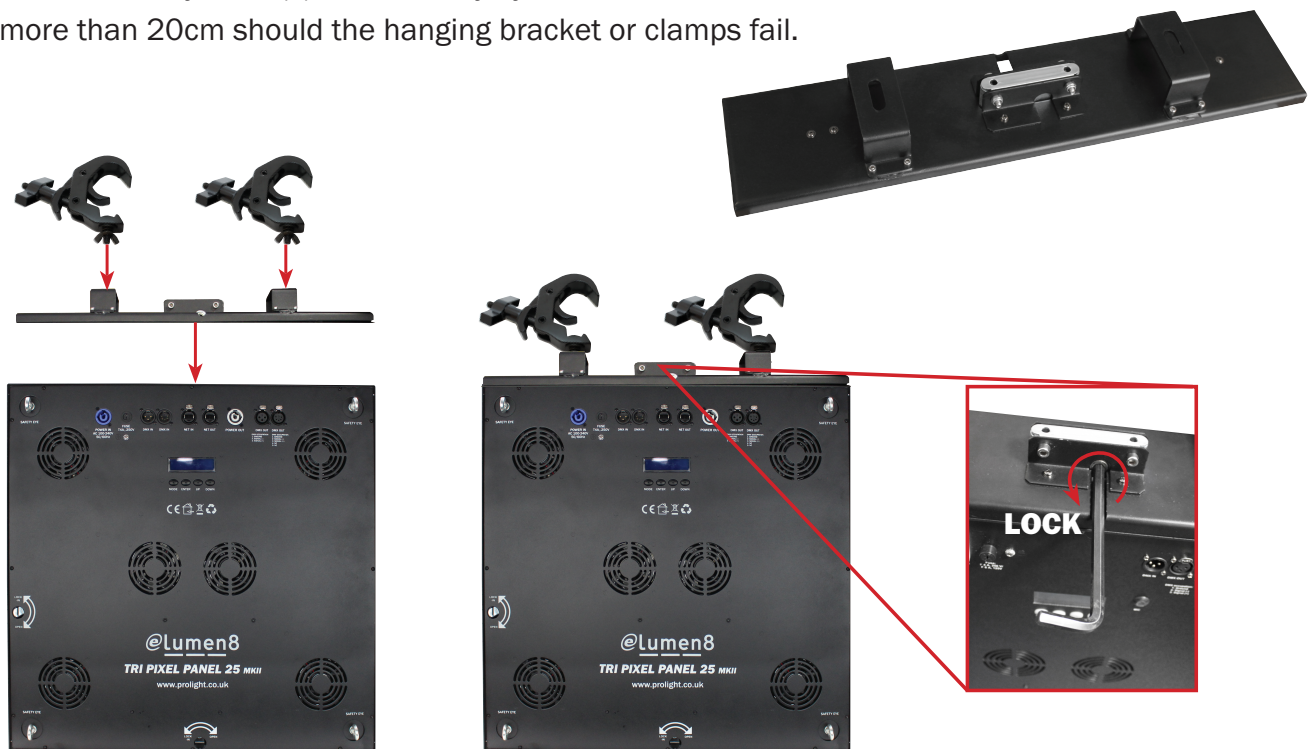
- The supplied hanging bracket can be used to place the unit on the floor and point it in a desired direction. In this case a proper and stable base should be used!
- The hanging bracket can also be used to hang the unit on truss and point it in the desired direction:
 - Fix 2 suitable truss clamps to the holes in the hanging bracket. Make sure that both clamps are firmly fixed to the bracket tight and secure!
 - Fix 1 or 2 suitable safety cable(s) to the safety eyes to make sure the unit cannot drop more than 20cm if the hanging bracket or clamps fail.



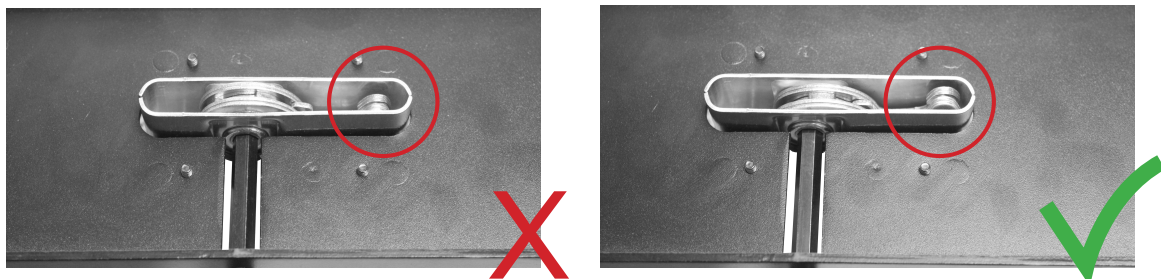
NOTE: Using the supplied hanging bracket you cannot fix more than one unit together. If you want to hang a vertical array of units, you must use the optional heavy duty Tri Pixel Panel 25 Flying bracket (ELUM085A).

Rigging with optional flying bracket (ELUM085A):

- This flying bracket is used for hanging vertical arrays of the Tri Pixel Panel 25.
- To attach the flying bracket, first you must remove the supplied hanging bracket from the unit. To do this simply unscrew the tightening knobs on the side of the unit and slide off.
- On the top of the flying bracket there is 2 clamp points (M12). Please use these to attach suitable clamps before fitting to the unit.
- Place the flying bracket on top of the unit making sure that both carry handles are folded flat. Line up the bracket with the steel locating pins.
- Now using a size 8 allen key turn the coffin lock and turn anti clockwise until you hear it lock into position. Make sure that you hear a click and cannot turn the lock any more.
- Fix 2 suitable safety cable(s) to the safety eyes to make sure the unit cannot drop more than 20cm should the hanging bracket or clamps fail.



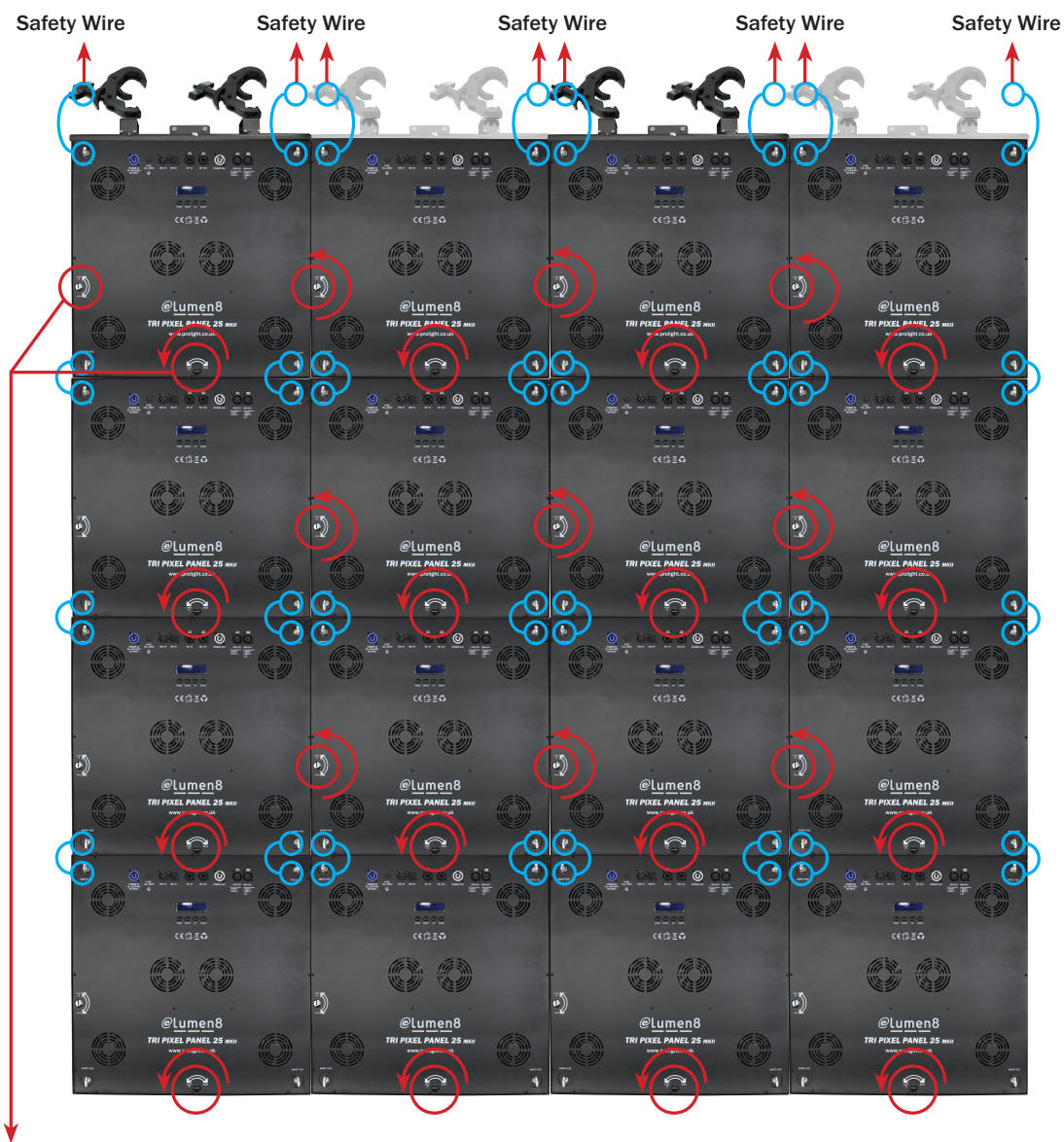
If you cannot lock the bracket as described please check that it is in the correct position before attempting to join the units. Turn the lock clockwise until the pin is in the correct position see below.



Multi array setup:

Once the flying bracket has been fixed to the unit securely, you can add a maximum of 4 units horizontally for the array and vertically you can fix as many columns as you like, each column must feature an array bracket at the top.

NOTE: Please be sure that each unit is fixed together properly using the coffin locks on the left side and bottom side of the unit following the same method for the flying bracket.



When the units are lined up against each other use a size 8 allen key to turn the coffin lock, turn the coffin lock anti clockwise until you hear it lock into position. Make sure that you hear a click and cannot turn the lock any more.

RDM functions and remote setup:

RDM means “Remote Device Management”.

The Tri Pixel Panel 25 works with a brief set of RDM functions that means it can setup a bidirectional communication with an RDM compatible DMX controller. See below for these functions:

- The DMX controller will send out a “discovery command”, the RDM unit(s) respond and send their unique unit ID.
- The DMX controller asks each RDM unit for basic data so it knows which unit(s) are connected.

The Elumen8 Tri Pixel Panel 25 will show:

- Unit name: Tri Pixel Panel 25
- Manufacturer: Elumen8
- Category: LED Dimmer
- Firmware: XXXX (version of the software of the unit)
- DMX address: XXX (current DMX start address of the unit)
- DMX footprint: XX (current number of DMX channels used by the unit)
- Personality: XX (current working DMX mode/personality of the unit)

The DMX controller can send certain commands to each to each RDM unit which allows remote setup of the units.

| FUNCTION | PID |
|-----------------------------|--------|
| DISC_UNIQUE_BRANCH | 0x0001 |
| DISC_MUTE | 0x0002 |
| DISC_UN_MUTE | 0x0003 |
| SUPPORTED_PARAMETERS | 0x0050 |
| DEVICE_INFO | 0x0060 |
| DEVICE_MODEL_DESCRIPTION | 0x0080 |
| MANUFACTURER_LABEL | 0x0081 |
| DEVICE_LABEL | 0x0082 |
| SOFTWARE_VERSION_LABEL | 0x00C0 |
| DMX_PERSONALITY | 0x00E0 |
| DMX_PERSONALITY_DESCRIPTION | 0x00E1 |
| DMX_START_ADDRESS | 0x00F0 |
| SLOT_INFO | 0x0120 |
| SLOT_DESCRIPTION | 0x0121 |
| SENSOR_DEFINITION | 0x0200 |
| SENSOR_VALUE | 0x0201 |
| DEVICE_HOURS | 0x0400 |
| IDENTIFY_DEVICE | 0x1000 |
| IAP_START | 0x8096 |

The following functions can be managed remotely:

- DMX start address: The DMX start address can be set remotely from 001 to 512
- DMX personality: Set the DMX personality/mode remotely.

The two above functions make it possible to prepare a complete DMX patch of all units on the DMX controller and sends this data to all of the units at once.

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 511. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit 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

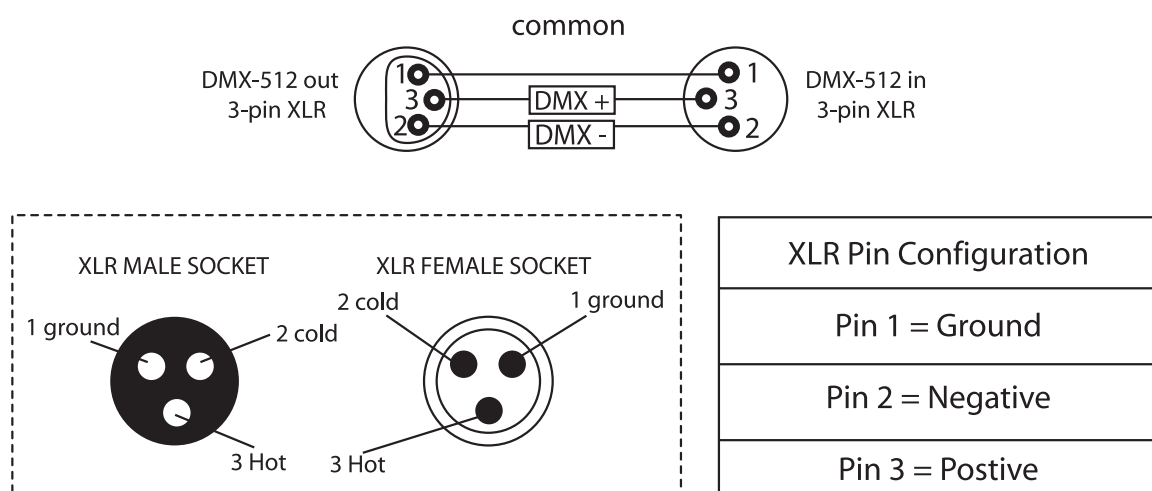
CABL11 – 5m

CABL12 – 10m

Note: 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.



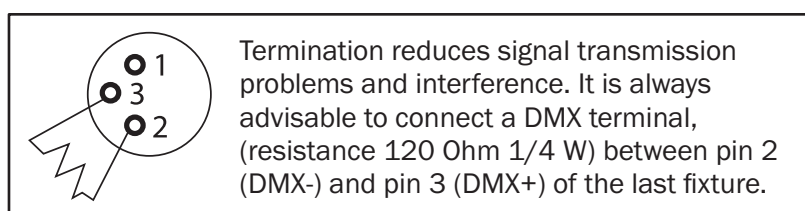
Special note:

Line termination:

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

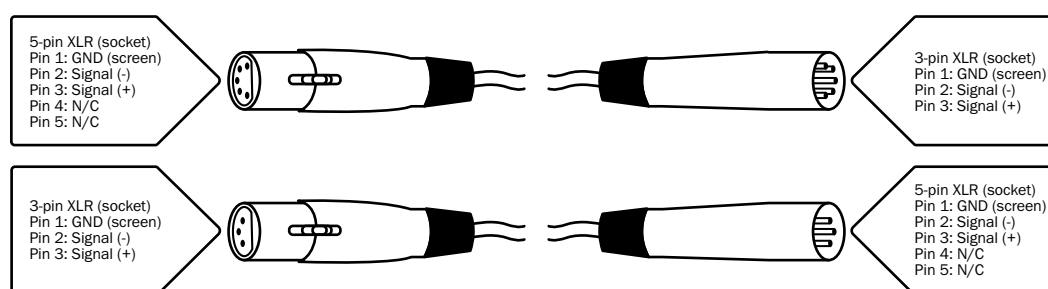
Using a cable terminator will decrease the possibilities of erratic behaviour.

(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

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





***Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed 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.

