

# LEDj

## **Spectra QX40 Pixel MKII** **Exterior Fixture**

User Manual  
V2.1

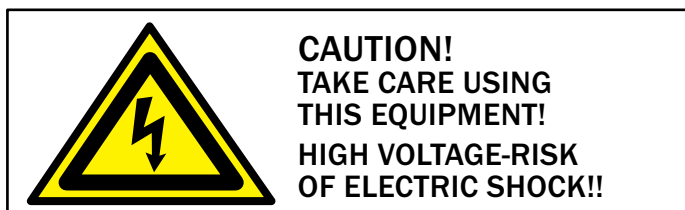


Order code: LEDJ296A

### 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.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If 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.

### Spectra QX40 Pixel MKII



Equipped with 40 x 15W RGBW LEDs, the QX40 is suitable for illuminating event spaces, stages or facades, while the zone control allows lighting designers to create stunning effects. The unit utilises quad-colour LED technology to produce a wide colour spectrum from rich, primary colours through to subtle pastel hues. Designed for rental and events, the QX40 features quick release omega brackets, powerCON TRUE1 connectors for power input/output and also features both wired and wireless DMX control by LumenRadio CRMX TiMo. The slim profile of the fixture is ideally suited for loading into road trunks holding multiple units. A range of optional accessories including beam shaping lenses, snoots and barndoors further widen its applications.

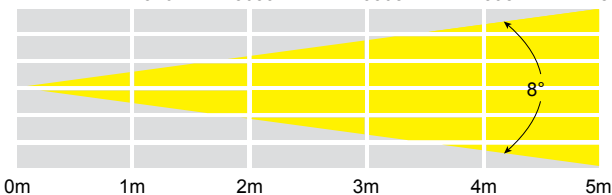


- 40 x 15W quad-colour LEDs (RGBW)
- Beam angle: 8°
- 3kHz refresh rate
- Pixel zone mapping
- Wireless control using CRMX TiMo wireless DMX by LumenRadio
- DMX channels: 1/3/4/6/9/20 or 25 selectable
- Static colour, colour change and colour fade modes
- Master/slave mode when cabled
- 0 - 100% dimming and variable strobe
- 4 dimming curves: Linear, square law, inverse square law and S-curve
- Supplied with installation bracket and quick release omega clamps
- 4 button menu with OLED display
- PowerCON TRUE1 input/output
- IP rated 5-Pin XLR input/output trailing connections
- Fan cooled

| Specifications    | Spectra QX40 Pixel MKII |
|-------------------|-------------------------|
| Power consumption | 400W                    |
| Power supply      | 100~240V, 50/60Hz       |
| Dimensions        | 334 x 532 x 138mm       |
| Weight            | 11.9kg                  |
| Order code        | LEDJ296A                |

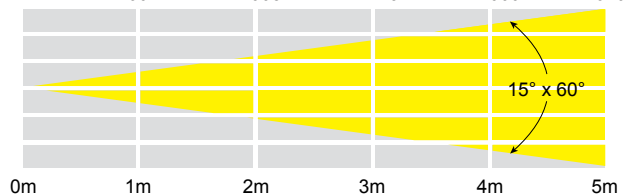
#### Native (8°)

|          |        |       |       |       |       |
|----------|--------|-------|-------|-------|-------|
| 8° - Lux |        |       |       |       |       |
| FULL ON  | 271388 | 67847 | 30154 | 16961 | 10855 |
| R        | 51144  | 12786 | 5682  | 3196  | 2045  |
| G        | 103704 | 25926 | 11522 | 6481  | 4148  |
| B        | 14824  | 3706  | 1647  | 926   | 592   |
| W        | 121576 | 30394 | 13508 | 7598  | 4863  |



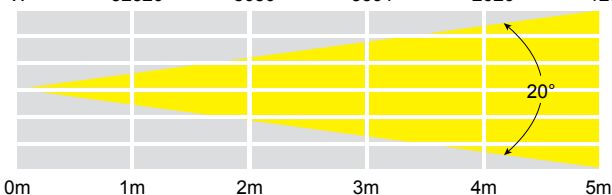
#### 15° x 60° Lens

|                 |       |      |      |      |      |
|-----------------|-------|------|------|------|------|
| 15° x 60° - Lux |       |      |      |      |      |
| FULL ON         | 38628 | 9657 | 4292 | 2414 | 1545 |
| R               | 7644  | 1911 | 849  | 477  | 305  |
| G               | 14272 | 3568 | 1585 | 892  | 570  |
| B               | 2536  | 634  | 281  | 158  | 101  |
| W               | 16012 | 4003 | 1779 | 1000 | 640  |



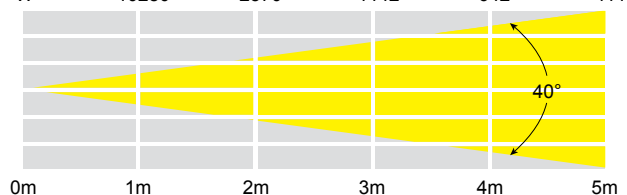
#### 20° Lens

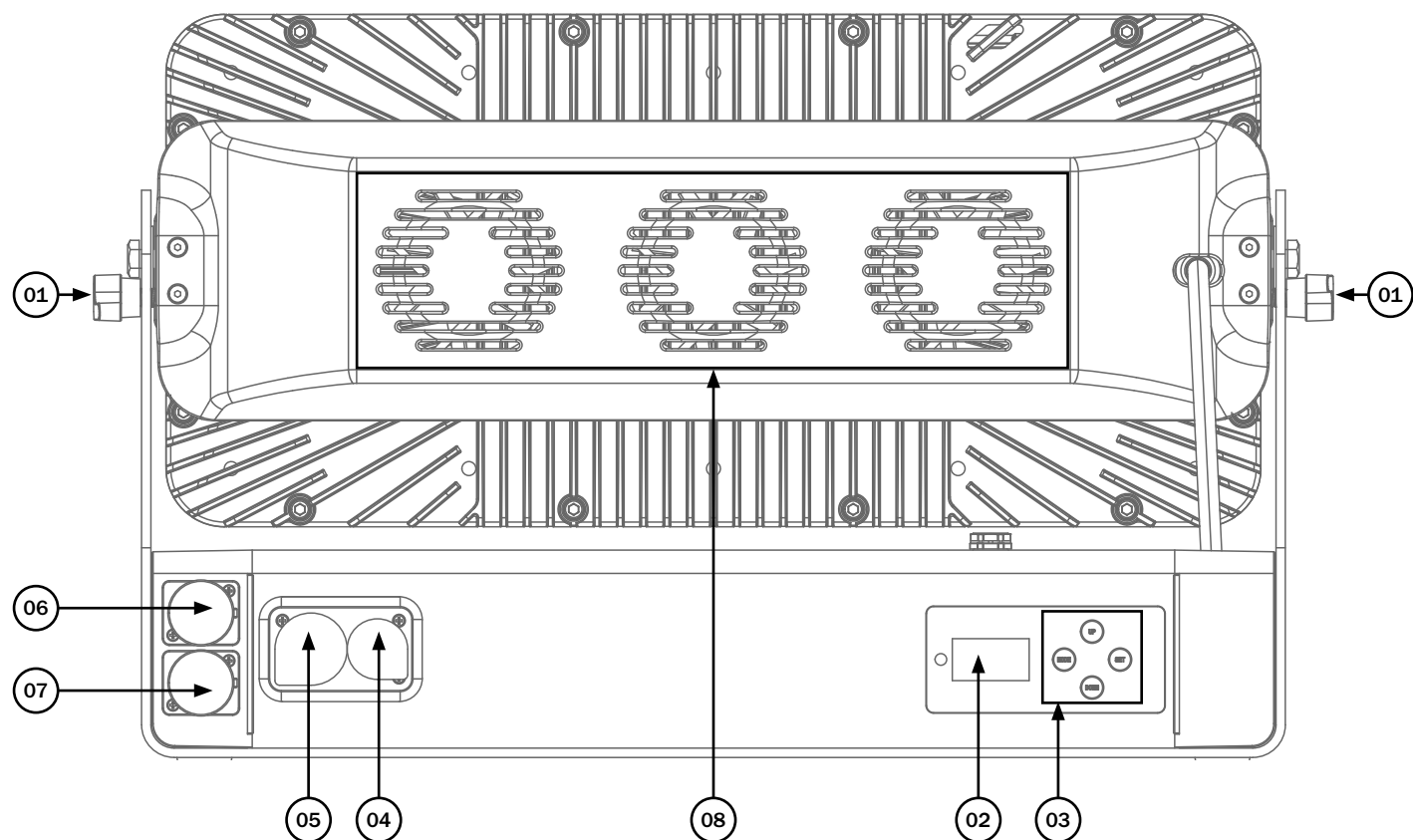
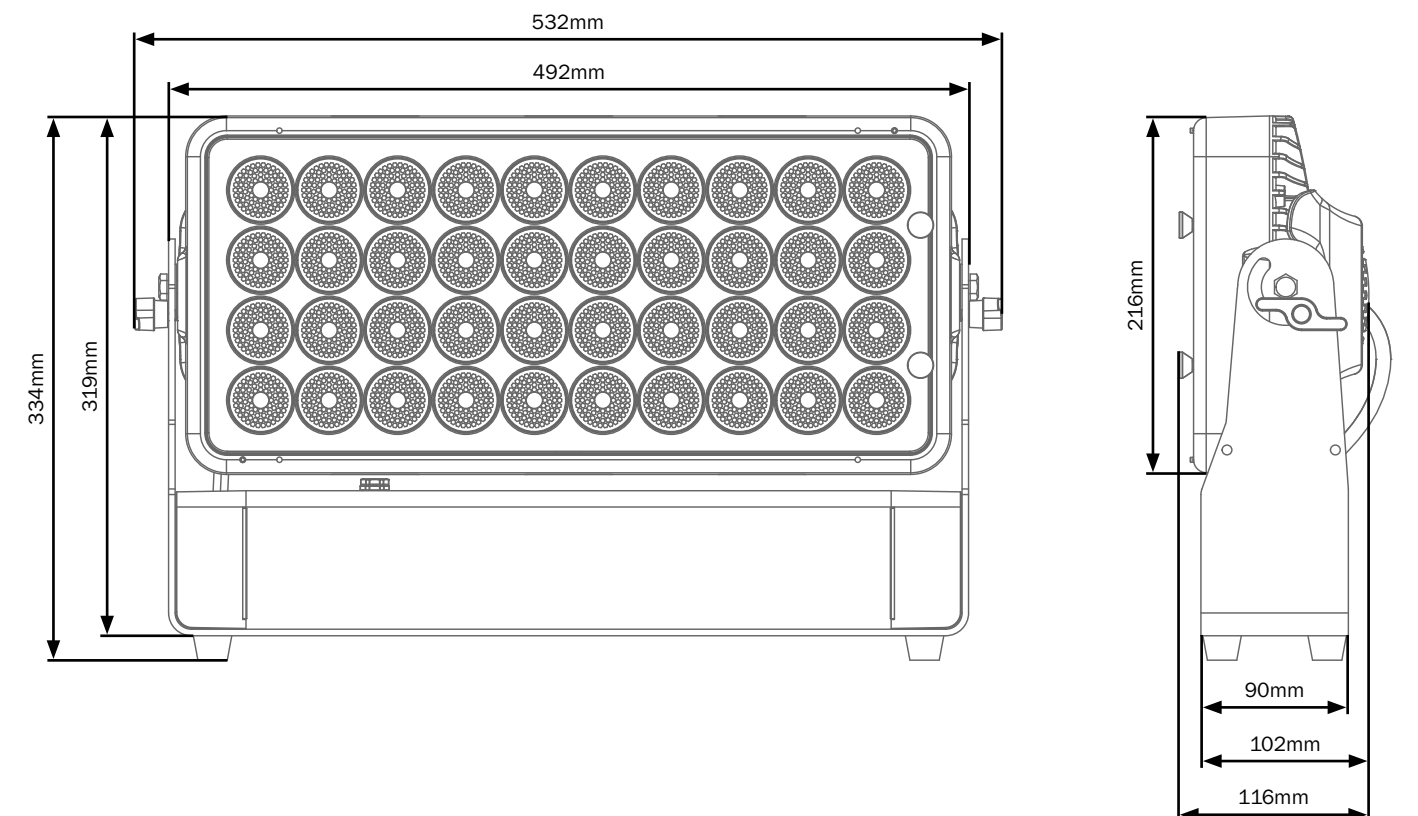
|           |       |       |      |      |      |
|-----------|-------|-------|------|------|------|
| 20° - Lux |       |       |      |      |      |
| FULL ON   | 76624 | 19156 | 8513 | 4789 | 3064 |
| R         | 14996 | 3749  | 1666 | 937  | 599  |
| G         | 28296 | 7074  | 3144 | 1768 | 1131 |
| B         | 5064  | 1266  | 562  | 316  | 202  |
| W         | 32320 | 8080  | 3591 | 2020 | 1292 |



#### 40° Lens

|           |       |      |      |      |      |
|-----------|-------|------|------|------|------|
| 40° - Lux |       |      |      |      |      |
| FULL ON   | 26120 | 6530 | 2902 | 1632 | 1044 |
| R         | 4900  | 1225 | 544  | 306  | 196  |
| G         | 9120  | 2280 | 1013 | 570  | 364  |
| B         | 1648  | 412  | 183  | 103  | 65.9 |
| W         | 10280 | 2570 | 1142 | 642  | 411  |



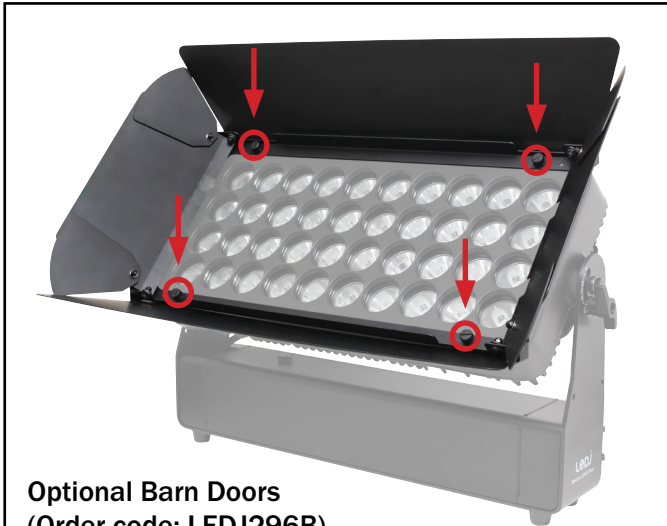


- 01 - Bracket tightening knobs
- 02 - OLED display
- 03 - Function buttons
- 04 - PowerCON TRUE1 input

- 05 - PowerCON TRUE1 output
- 06 - IP rated 5-Pin XLR input
- 07 - IP rated 5-Pin XLR output
- 08 - Fans

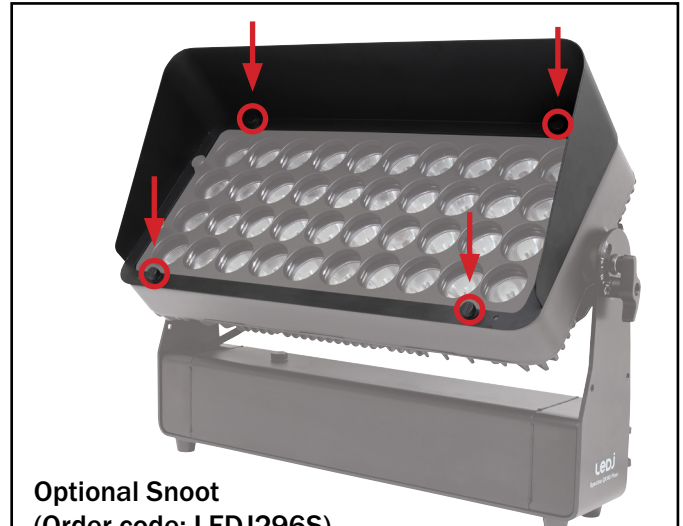
In the box: **1 x fixture,**  
**2 x omega clamps,**  
**1 x mounting plate &**  
**1 x power cable**





### Optional Barn Doors (Order code: LEDJ296B)

To fit the barn doors, place them over the front lens of the fixture and use the four thumbscrews located in each corner to tighten it to the fixture. The safety wire attached to the barn door can be clipped to one of the two holes in each of the side arms.



### Optional Snoot (Order code: LEDJ296S)

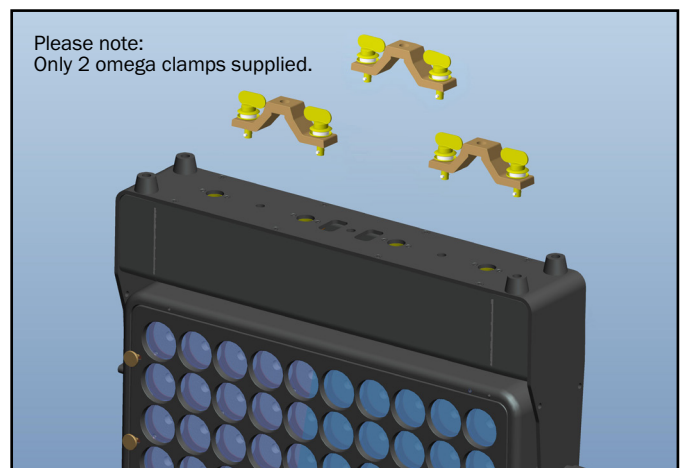
To fit the snoot, place it over the front lens of the fixture and use the four thumbscrews located in each corner to tighten it to the fixture. The safety wire attached to the snoot can be clipped to one of the two holes in each of the side arms.

### Optional Lenses (20° - Order code: LEDJ296L) (40° - Order code: LEDJ296M) (15 x 60° - Order code: LEDJ296N)

To fit the lens, slide the left side with the locating pegs into the locating slots on the left side of the fixtures frontal glass, pull back the two thumb spring clips on the right of the lens and lower the lens so it is flush with the housing. Release the spring clips which will fix the lens in place. Reverse the above steps to release the lens.



### Underside mounting points:



**IMPORTANT! PLEASE NOTE:** The OLED display for this fixture has a menu locking function where after 30 seconds of inactivity it will lock. To unlock the menu hold the “**MODE**” and “**SET**” buttons for 3 seconds.

| Main Menu  | Sub Menu                 | Options/Values       |            | Description                    |
|------------|--------------------------|----------------------|------------|--------------------------------|
| 1: Auto    |                          | Yes                  |            | Auto Mode                      |
|            |                          | No                   |            |                                |
| 2: Program | 1) Mode                  | 01-15                |            | Built-in Programs              |
|            | 2) Speed                 | 001-100 (81)         |            |                                |
|            | 3) Strobe                | 00-99                |            |                                |
| 3: DMX     | 1) Address               | 001-512              |            | DMX Address Setting            |
|            | 2) Channels              | 01 (1 channel mode)  |            | DMX Channel Modes              |
|            |                          | 03 (3 channel mode)  |            |                                |
|            |                          | 04 (4 channel mode)  |            |                                |
|            |                          | 06 (6 channel mode)  |            |                                |
|            |                          | 09 (9 channel mode)  |            |                                |
|            |                          | 20 (20 channel mode) |            |                                |
|            |                          | 25 (25 channel mode) |            |                                |
|            | 3) Signal                | DMX                  |            | Wired/Lumen Radio CRMX Setting |
|            |                          | Lumen Radio CRMX     |            |                                |
|            | 4) Lumen Radio CRMX Pair | Yes                  |            | Lumen Radio CRMX Pair Setting  |
|            |                          | No                   |            |                                |
| 4: Slave   |                          | Yes                  |            | Slave Mode                     |
|            |                          | No                   |            |                                |
| 5: Dimmer  | 1) Static Mode           | Colour Preset        | 00-38 (01) | Static Colour Mode             |
|            | 2) All Dimmer            | 1) All Red           | 000-255    | Manual Dimming Mode            |
|            |                          | 2) All Green         | 000-255    |                                |
|            |                          | 3) All Blue          | 000-255    |                                |
|            |                          | 4) All White         | 000-255    |                                |
|            | 3) Part Dimmer           | 1) Red 1             | 000-255    | Zone Manual Dimming Mode       |
|            |                          | 2) Green 1           | 000-255    |                                |
|            |                          | 3) Blue 1            | 000-255    |                                |
|            |                          | 4) White 1           | 000-255    |                                |
|            |                          | 5) Red 2             | 000-255    |                                |
|            |                          | 6) Green 2           | 000-255    |                                |
|            |                          | 7) Blue 2            | 000-255    |                                |
|            |                          | 8) White 2           | 000-255    |                                |
|            |                          | 9) Red 3             | 000-255    |                                |
|            |                          | 10) Green 3          | 000-255    |                                |
| 11) Blue 3 |                          | 000-255              |            |                                |

| Main Menu      | Sub Menu         | Options/Values                               |                 | Description                 |
|----------------|------------------|--|-----------------|-----------------------------|
| 5: Dimmer      | 3) Part Dimmer   | 17) White 3                                  | 000- <b>255</b> | Zone Manual Dimming Mode    |
|                |                  | 18) Red 4                                    | 000- <b>255</b> |                             |
|                |                  | 19) Green 4                                  | 000- <b>255</b> |                             |
|                |                  | 20) Blue 4                                   | 000- <b>255</b> |                             |
|                |                  | 16) White 4                                  | 000- <b>255</b> |                             |
|                |                  | 17) Red 5                                    | 000- <b>255</b> |                             |
|                |                  | 19) Green 5                                  | 000- <b>255</b> |                             |
|                |                  | 19) Blue 5                                   | 000- <b>255</b> |                             |
|                |                  | 20) White 5                                  | 000- <b>255</b> |                             |
| 6: Setting     | 1) Curves Select | 1) <b>Linear</b>                             |                 | Dimming Curve Setting       |
|                |                  | 2) Square Law                                |                 |                             |
|                |                  | 3) Inv Square Law                            |                 |                             |
|                |                  | S-Type                                       |                 |                             |
|                | 2) Dimmer Speed  | <b>Fast</b>                                  |                 | Dimming Speed Setting       |
|                |                  | Smooth                                       |                 |                             |
|                | 3) Fan Speed     | 1) <b>Auto</b>                               |                 | Fan Speed Setting           |
|                |                  | 2) High                                      |                 |                             |
|                |                  | 3) Slow                                      |                 |                             |
|                | 4) DMX Fail      | 1) <b>Blackout</b>                           |                 | DMX Fail Setting            |
|                |                  | 2) Hold                                      |                 |                             |
|                |                  | 3) Auto                                      |                 |                             |
|                |                  | 4) Program                                   |                 |                             |
|                | 5) Dmx Sync      | <b>On</b>                                    |                 | DMX Synchronisation Setting |
|                |                  | Off  |                 |                             |
|                | 6) Lock          | <b>On</b>                                    |                 | Display Lock Setting        |
|                |                  | Off  |                 |                             |
|                | 7) Factory       | Yes  |                 | Reset Factory Defaults      |
|                |                  | <b>No</b>                                    |                 |                             |
| 7: Information |                  | Versions:<br>Temperature:<br>Signal:<br>UID: |                 | Fixture Information         |

**PLEASE NOTE:** The DMX Synchronisation setting should be set to on when using the built-in presets via DMX to ensure the fixtures stay synchronised.

### Static colour macros:

|   |                   |
|---|-------------------|
| 0 | Blackout          |
| 1 | Red               |
| 2 | Flame Red         |
| 3 | Deep Golden Amber |
| 4 | Millennium Gold   |
| 5 | Gold Amber        |
| 6 | Orange            |
| 7 | Chrome Orange     |
| 8 | Deep Amber        |
| 9 | Spring Yellow     |

|    |                   |
|----|-------------------|
| 10 | Lime Green        |
| 11 | JAS Green         |
| 12 | Fern Green        |
| 13 | Moss Green        |
| 14 | Primary Green     |
| 15 | Dark Green        |
| 16 | Green             |
| 17 | Medium Blue/Green |
| 18 | Light Blue        |
| 19 | Lighter Blue      |

|    |                |
|----|----------------|
| 20 | Steel Blue     |
| 21 | Half CT Blue   |
| 22 | Full CT Blue   |
| 23 | State Blue     |
| 24 | Double CT Blue |
| 25 | Medium Blue    |
| 26 | Just Blue      |
| 27 | Deep Blue      |
| 28 | Blue           |
| 29 | Congo Blue     |

|    |                   |
|----|-------------------|
| 30 | Surprise Pink     |
| 31 | Fuchsia Pink      |
| 32 | Follies Pink      |
| 33 | Special Rose Pink |
| 34 | Pink              |
| 35 | Moroccan Pink     |
| 36 | Warm White        |
| 37 | Cold White        |
| 38 | White             |

### Lumen Radio CRMX settings:

To enable Lumen Radio CRMX, press the **“MODE”** button and use the **“UP”** and **“DOWN”** buttons to select **“DMX”**. Press the **“UP”** and **“DOWN”** button and use the **“UP”** and **“DOWN”** buttons to select **“Signal”**. Press the **“SET”** button and use the **“UP”** and **“DOWN”** buttons to select **“Lumen Radio CRMX”**.

Press the **“SET”** button to confirm the setting and use the **“DOWN”** button to select **“Lumen Radio CRMX Pair”**.

Press the **“SET”** button and use the **“UP”** and **“DOWN”** buttons to select **“Yes”**. Press the **“SET”** button to pair the unit with your transmitter. Alternatively you can pair the fixture by holding down the **“MODE”** button until the display shows **“Lumen Radio CRMX Pair”**.

The green LED to the left of the display will flash indicating it is searching for a signal.

The green LED will become static once successfully paired.

To disable Lumen Radio CRMX, press the **“MODE”** button and use the **“UP”** and **“DOWN”** buttons to select **“DMX”**. Press the **“UP”** and **“DOWN”** button and use the **“UP”** and **“DOWN”** buttons to select **“Signal”**. Press the **“SET”** button and use the **“UP”** and **“DOWN”** buttons to select **“Lumen Radio CRMX”**.

Press the **“SET”** button to confirm the setting and use the **“DOWN”** button to select **“Lumen Radio CRMX Pair”**.

Press the **“SET”** button and use the **“UP”** and **“DOWN”** buttons to select **“No”**. Press the **“SET”** button to confirm the setting.

The green LED will go off to confirm Lumen Radio CRMX has been disabled.

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



### 1 channel mode:

| Channel | Value   | Function          |
|---------|---------|-------------------|
| 1       | 000-010 | Blackout          |
|         | 011-016 | Red               |
|         | 017-022 | Flame Red         |
|         | 023-028 | Deep Golden Amber |
|         | 029-034 | Millennium Gold   |
|         | 035-040 | Gold Amber        |
|         | 041-046 | Orange            |
|         | 047-052 | Chrome Orange     |
|         | 053-058 | Deep Amber        |
|         | 059-064 | Spring Yellow     |
|         | 065-070 | Lime Green        |
|         | 071-076 | JAS Green         |
|         | 077-082 | Fern Green        |
|         | 083-088 | Moss Green        |
|         | 089-094 | Primary Green     |
|         | 095-100 | Dark Green        |
|         | 101-106 | Green             |
|         | 107-112 | Medium Blue/Green |
|         | 113-118 | Light Blue        |
|         | 119-124 | Lighter Blue      |
|         | 125-130 | Steel Blue        |
|         | 131-136 | Half CT Blue      |
|         | 137-142 | Full CT Blue      |
|         | 143-148 | State Blue        |
|         | 149-154 | Double CT Blue    |
|         | 155-160 | Medium Blue       |
|         | 161-166 | Just Blue         |
|         | 167-172 | Deep Blue         |
|         | 173-178 | Blue              |
|         | 179-184 | Congo Blue        |
|         | 185-190 | Surprise Pink     |
|         | 191-196 | Fuchsia Pink      |
|         | 197-202 | Follies Pink      |
|         | 203-208 | Special Rose Pink |
|         | 209-214 | Pink              |
|         | 215-220 | Moroccan Pink     |
|         | 221-226 | Warm White        |
|         | 227-232 | Cold White        |
|         | 233-255 | White             |

### 3 channel mode:

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

### 4 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 | White (0-100%) |

### 6 channel mode:

| Channel | Value   | Function               |
|---------|---------|------------------------|
| 1       | 000-255 | Master dimmer (0-100%) |
| 2       | 000-255 | Red (0-100%)           |
| 3       | 000-255 | Green (0-100%)         |
| 4       | 000-255 | Blue (0-100%)          |
| 5       | 000-255 | White (0-100%)         |
| 6       | 000-010 | No function            |
|         | 011-255 | Strobe (slow-fast)     |

### 9 channel mode:

| Channel | Value   | Function               |
|---------|---------|------------------------|
| 1       | 000-255 | Master dimmer (0-100%) |
| 2       | 000-255 | Red (0-100%)           |
| 3       | 000-255 | Green (0-100%)         |
| 4       | 000-255 | Blue (0-100%)          |
| 5       | 000-255 | White (0-100%)         |
| 6       | 000-010 | Blackout               |
|         | 011-016 | Red                    |
|         | 017-022 | Flame Red              |
|         | 023-028 | Deep Golden Amber      |
|         | 029-034 | Millennium Gold        |
|         | 035-040 | Gold Amber             |
|         | 041-046 | Orange                 |
|         | 047-052 | Chrome Orange          |
|         | 053-058 | Deep Amber             |
|         | 059-064 | Spring Yellow          |
|         | 065-070 | Lime Green             |
|         | 071-076 | JAS Green              |
|         | 077-082 | Fern Green             |
|         | 083-088 | Moss Green             |
|         | 089-094 | Primary Green          |
|         | 095-100 | Dark Green             |
|         | 101-106 | Green                  |
|         | 107-112 | Medium Blue/Green      |
|         | 113-118 | Light Blue             |
|         | 119-124 | Lighter Blue           |
|         | 125-130 | Steel Blue             |
|         | 131-136 | Half CT Blue           |
|         | 137-142 | Full CT Blue           |
|         | 143-148 | State Blue             |
|         | 149-154 | Double CT Blue         |
|         | 155-160 | Medium Blue            |
|         | 161-166 | Just Blue              |
|         | 167-172 | Deep Blue              |
|         | 173-178 | Blue                   |
|         | 179-184 | Congo Blue             |
|         | 185-190 | Surprise Pink          |
|         | 191-196 | Fuchsia Pink           |
|         | 197-202 | Follies Pink           |
|         | 203-208 | Special Rose Pink      |

### 9 channel mode (cont.):

| Channel   | Value   | Function                  |
|-----------|---------|---------------------------|
| 6 (cont.) | 209-214 | Pink                      |
|           | 215-220 | Moroccan Pink             |
|           | 221-226 | Warm White                |
|           | 227-232 | Cold White                |
|           | 233-255 | White                     |
| 7         | 000-015 | No function               |
|           | 016-031 | Program 1                 |
|           | 032-047 | Program 2                 |
|           | 048-063 | Program 3                 |
|           | 064-079 | Program 4                 |
|           | 080-095 | Program 5                 |
|           | 096-111 | Program 6                 |
|           | 112-127 | Program 7                 |
|           | 128-143 | Program 8                 |
|           | 144-159 | Program 9                 |
|           | 160-175 | Program 10                |
|           | 176-191 | Program 11                |
|           | 192-207 | Program 12                |
|           | 208-223 | Program 13                |
|           | 224-239 | Program 14                |
|           | 240-255 | Program 15                |
| 8         | 000-255 | Program Speed (slow-fast) |
| 9         | 000-010 | No function               |
|           | 011-255 | Strobe (slow-fast)        |

### 20 channel mode:

| Channel | Value   | Function         |
|---------|---------|------------------|
| 1       | 000-255 | Red 1 (0-100%)   |
| 2       | 000-255 | Green 1 (0-100%) |
| 3       | 000-255 | Blue 1 (0-100%)  |
| 4       | 000-255 | White 1 (0-100%) |
| 5       | 000-255 | Red 2 (0-100%)   |
| 6       | 000-255 | Green 2 (0-100%) |
| 7       | 000-255 | Blue 2 (0-100%)  |
| 8       | 000-255 | White 2 (0-100%) |
| 9       | 000-255 | Red 3 (0-100%)   |
| 10      | 000-255 | Green 3 (0-100%) |
| 11      | 000-255 | Blue 3 (0-100%)  |
| 12      | 000-255 | White 3 (0-100%) |
| 13      | 000-255 | Red 4 (0-100%)   |
| 14      | 000-255 | Green 4 (0-100%) |
| 15      | 000-255 | Blue 4 (0-100%)  |
| 16      | 000-255 | White 4 (0-100%) |
| 17      | 000-255 | Red 5 (0-100%)   |
| 18      | 000-255 | Green 5 (0-100%) |
| 19      | 000-255 | Blue 5 (0-100%)  |
| 20      | 000-255 | White 5 (0-100%) |

### 25 channel mode:

| Channel | Value   | Function               |
|---------|---------|------------------------|
| 1       | 000-255 | Master dimmer (0-100%) |
| 2       | 000-255 | Red 1 (0-100%)         |
| 3       | 000-255 | Green 1 (0-100%)       |
| 4       | 000-255 | Blue 1 (0-100%)        |
| 5       | 000-255 | White 1 (0-100%)       |
| 6       | 000-255 | Red 2 (0-100%)         |
| 7       | 000-255 | Green 2 (0-100%)       |
| 8       | 000-255 | Blue 2 (0-100%)        |
| 9       | 000-255 | White 2 (0-100%)       |
| 10      | 000-255 | Red 3 (0-100%)         |
| 11      | 000-255 | Green 3 (0-100%)       |
| 12      | 000-255 | Blue 3 (0-100%)        |
| 13      | 000-255 | White 3 (0-100%)       |
| 14      | 000-255 | Red 4 (0-100%)         |
| 15      | 000-255 | Green 4 (0-100%)       |
| 16      | 000-255 | Blue 4 (0-100%)        |
| 17      | 000-255 | White 4 (0-100%)       |
| 18      | 000-255 | Red 5 (0-100%)         |
| 19      | 000-255 | Green 5 (0-100%)       |
| 20      | 000-255 | Blue 5 (0-100%)        |
| 21      | 000-255 | White 5 (0-100%)       |
| 22      | 000-010 | Blackout               |
|         | 011-016 | Red                    |
|         | 017-022 | Flame Red              |
|         | 023-028 | Deep Golden Amber      |
|         | 029-034 | Millennium Gold        |
|         | 035-040 | Gold Amber             |
|         | 041-046 | Orange                 |
|         | 047-052 | Chrome Orange          |
|         | 053-058 | Deep Amber             |
|         | 059-064 | Spring Yellow          |
|         | 065-070 | Lime Green             |
|         | 071-076 | JAS Green              |
|         | 077-082 | Fern Green             |
|         | 083-088 | Moss Green             |
|         | 089-094 | Primary Green          |
|         | 095-100 | Dark Green             |
|         | 101-106 | Green                  |
|         | 107-112 | Medium Blue/Green      |
|         | 113-118 | Light Blue             |

### 25 channel mode (cont.):

| Channel       | Value   | Function                  |
|---------------|---------|---------------------------|
| 22<br>(cont.) | 119-124 | Lighter Blue              |
|               | 125-130 | Steel Blue                |
|               | 131-136 | Half CT Blue              |
|               | 137-142 | Full CT Blue              |
|               | 143-148 | State Blue                |
|               | 149-154 | Double CT Blue            |
|               | 155-160 | Medium Blue               |
|               | 161-166 | Just Blue                 |
|               | 167-172 | Deep Blue                 |
|               | 173-178 | Blue                      |
|               | 179-184 | Congo Blue                |
|               | 185-190 | Surprise Pink             |
|               | 191-196 | Fuchsia Pink              |
|               | 197-202 | Follies Pink              |
|               | 203-208 | Special Rose Pink         |
|               | 209-214 | Pink                      |
|               | 215-220 | Moroccan Pink             |
|               | 221-226 | Warm White                |
|               | 227-232 | Cold White                |
|               | 233-255 | White                     |
| 23            | 000-015 | No function               |
|               | 016-031 | Program 1                 |
|               | 032-047 | Program 2                 |
|               | 048-063 | Program 3                 |
|               | 064-079 | Program 4                 |
|               | 080-095 | Program 5                 |
|               | 096-111 | Program 6                 |
|               | 112-127 | Program 7                 |
|               | 128-143 | Program 8                 |
|               | 144-159 | Program 9                 |
|               | 160-175 | Program 10                |
|               | 176-191 | Program 11                |
|               | 192-207 | Program 12                |
|               | 208-223 | Program 13                |
|               | 224-239 | Program 14                |
|               | 240-255 | Program 15                |
| 24            | 000-255 | Program Speed (slow-fast) |
| 25            | 000-010 | No function               |
|               | 011-255 | Strobe (slow-fast)        |

### 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:

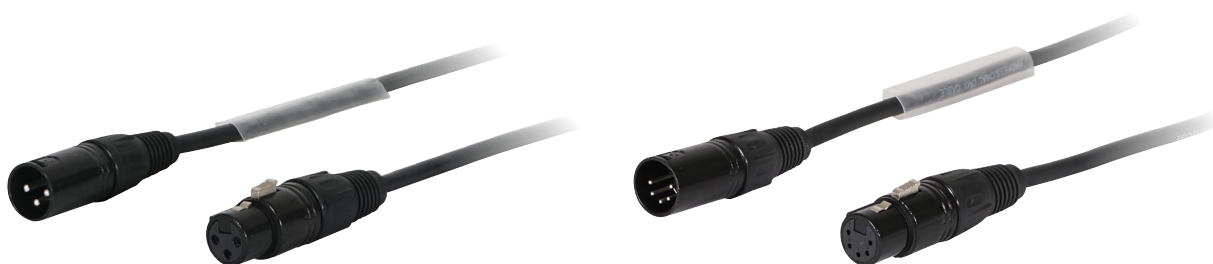
DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “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 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: | <b>CABL10 – 2m</b>  | <b>CABL11 – 5m</b>  | <b>CABL12 – 10m</b>  |
|               | 5-Pin: | <b>CABL185 – 2m</b> | <b>CABL187 – 5m</b> | <b>CABL188 – 10m</b> |

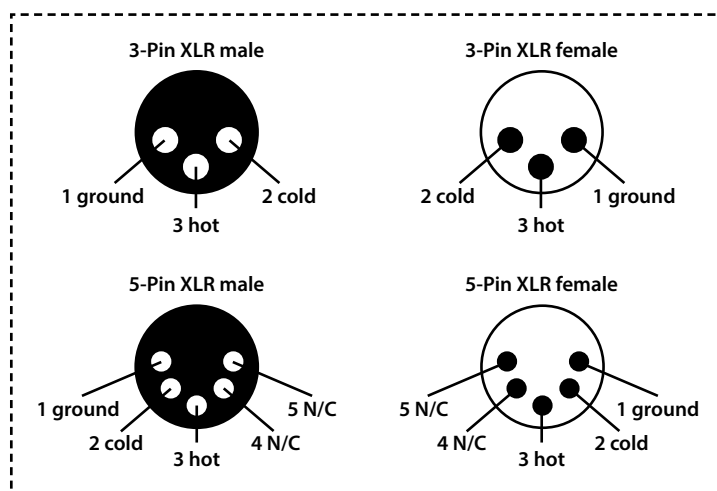
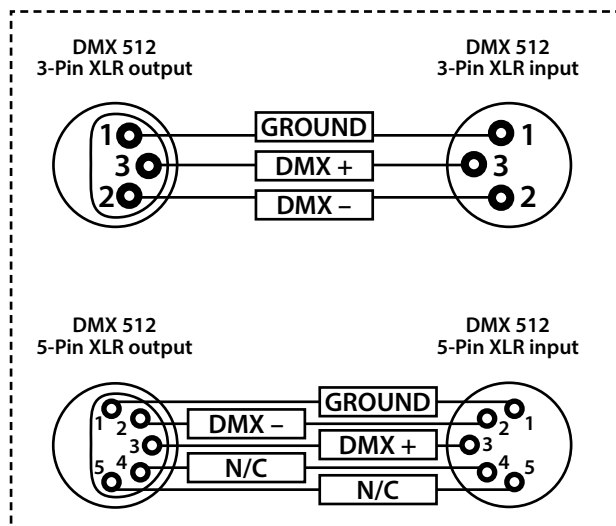
Also remember that DMX cable must be daisy chained and cannot be split.



### 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 |



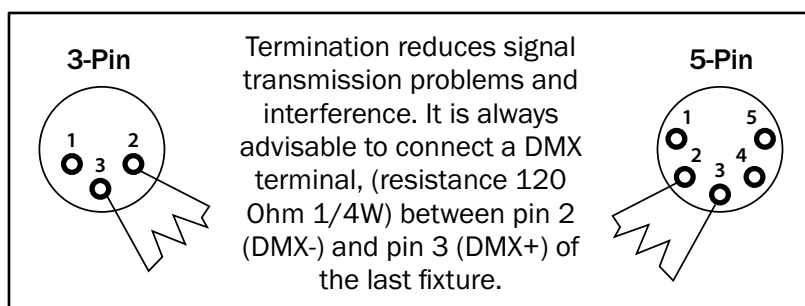
### Line termination:

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.

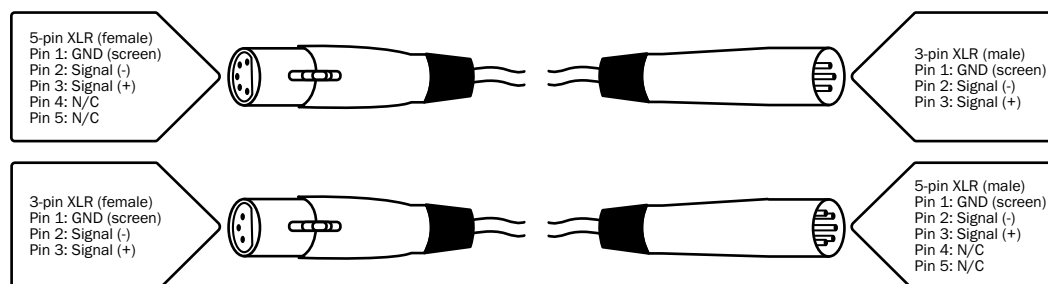
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



### 5-pin XLR DMX connectors:

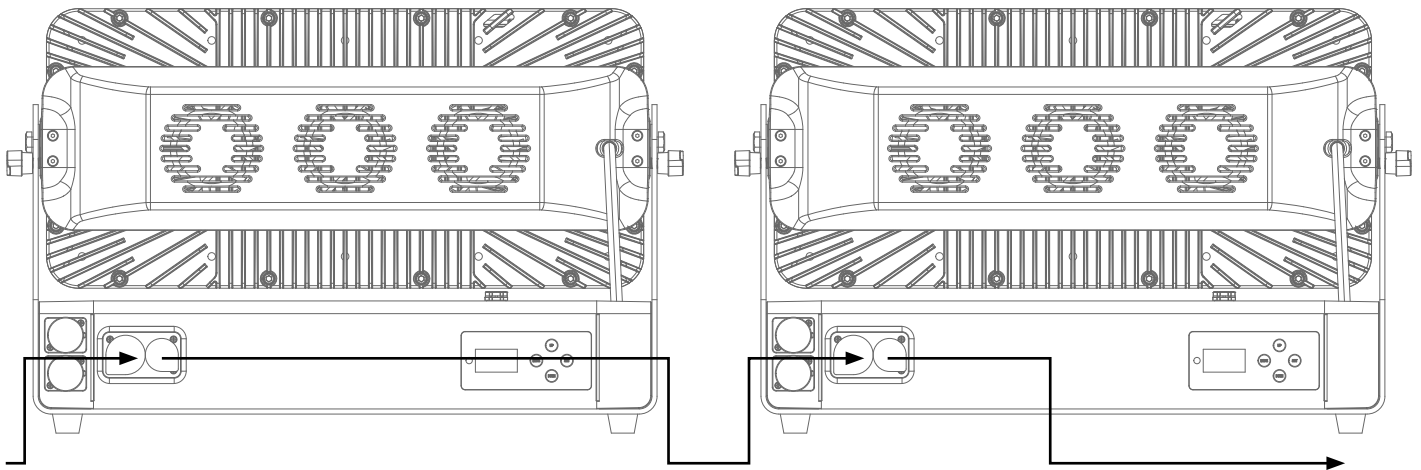
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.

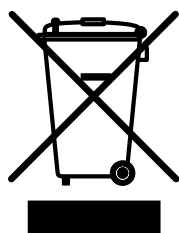


### Power linking:

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 Spectra QX40 Pixel MKII 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 of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

