

LEDJ

150W COB CW/WW Par User Manual



Order code: LEDJ375

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.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

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

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

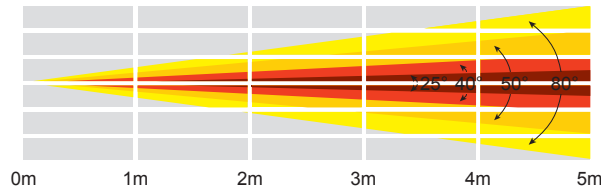
150W COB CW/WW Par

The LEDJ 150W COB CW/WW Par uses a COB LED to produce a high output wash with smooth colour mixing and no colour shadows. They feature an 80° beam angle and also come supplied with three beam reduction lenses (25°, 40° and 50°) which are easily interchangeable. The 4-button DMX display allows access of built-in colour macros, 4 selectable dimmer curves, 0-100% electronic dimming and selections of stand-alone and DMX modes.

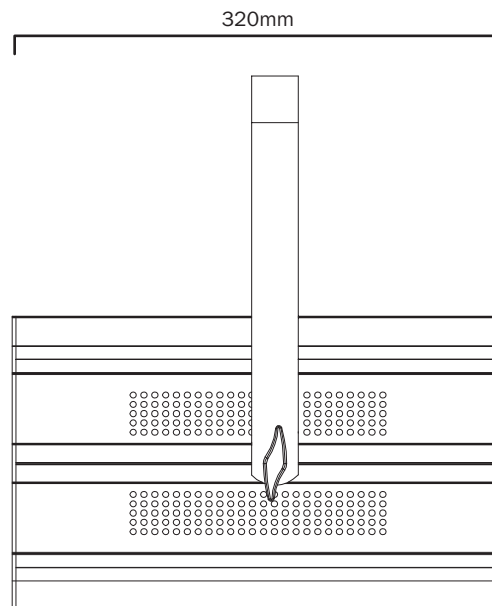
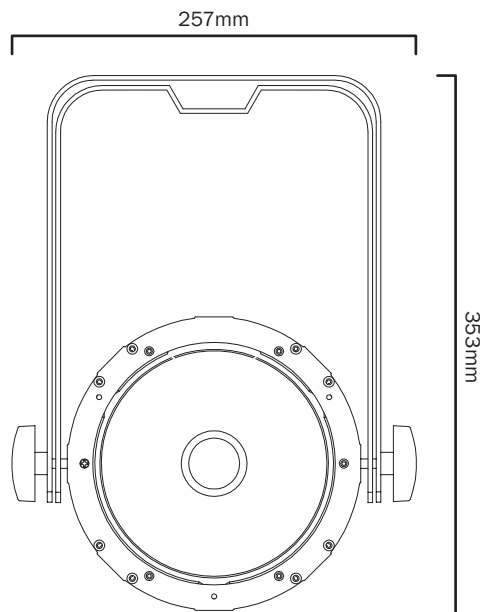
- 1 x 150W cool white and warm white COB LED (CW/WW)
- Beam angle: 80° native, 25°, 40° and 50° beam reduction lenses supplied
- 80° - 3,180 Lux @ 2m (full on)
- 5kHz refresh rate
- DMX channels: 2/3/4 or 6 selectable
- Auto and master/slave modes plus built-in programs
- 0-100% dimming and variable strobe
- Supplied with hanging bracket
- 4 push button menu with LED display
- PowerCON input/output
- 5-Pin XLR input/output
- 3-Pin XLR input/output
- Fan cooled

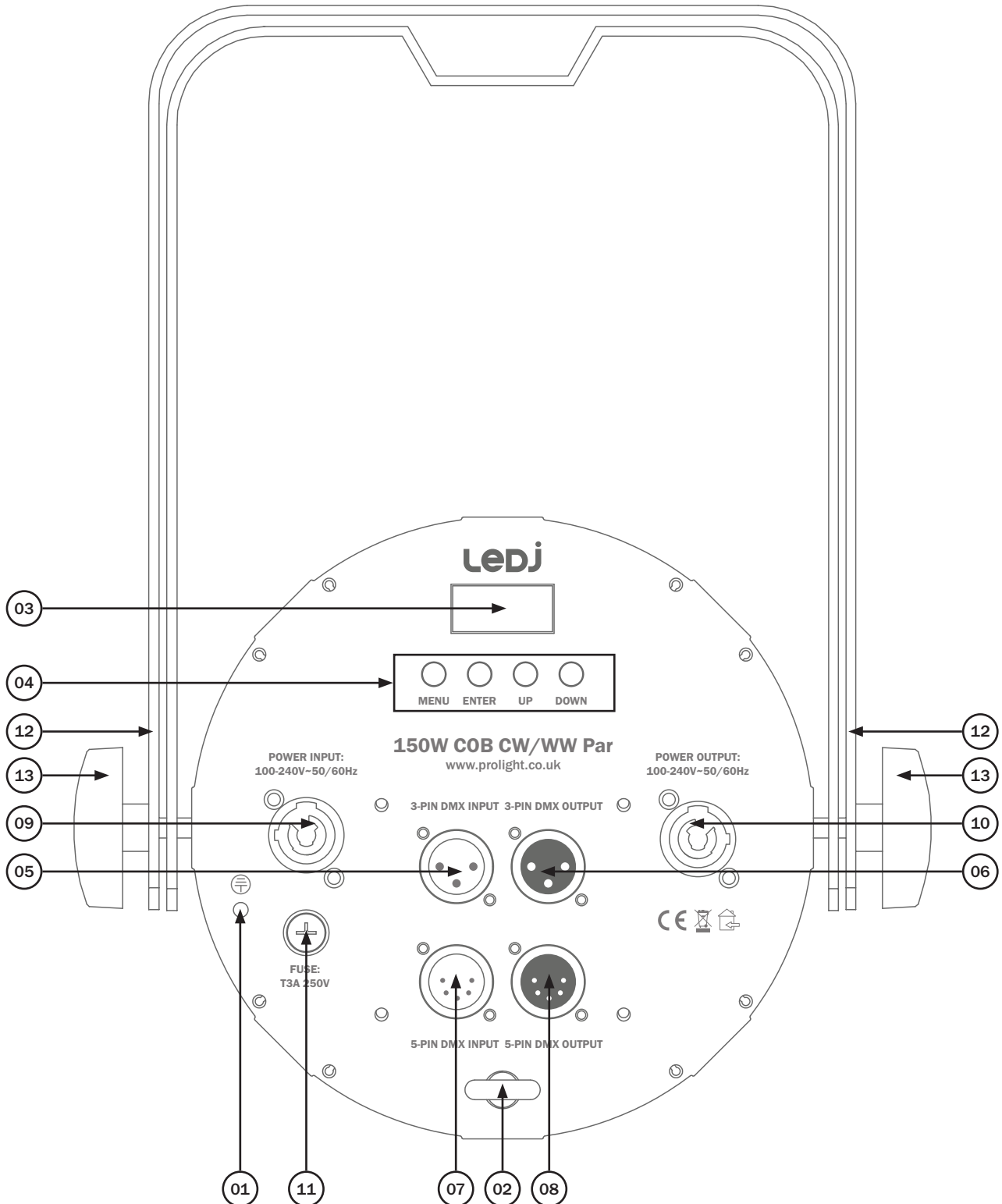


25° - Lux					
FULL ON	29200	7312	3250	1830	1170
CW	17700	4420	1960	1110	707
WW	12300	3078	1370	770	493
40° - Lux					
FULL ON	23400	5864	2600	1470	938
CW	14000	3497	1560	875	560
WW	9760	2436	1080	610	390
50° - Lux					
FULL ON	18900	4717	2100	1180	755
CW	11200	2812	1250	703	450
WW	7760	1943	862	485	310
80° - Lux					
FULL ON	12700	3180	1410	795	509
CW	7560	1888	840	472	302
WW	5240	1310	582	328	210



Specifications	150W COB CW/WW Par
Power consumption	155W
Power supply	100~240V, 50/60Hz
Fuse	T3A 250V
Dimensions	353 x 257 x 320mm
Weight	4.4kg
Order code	LEDJ375

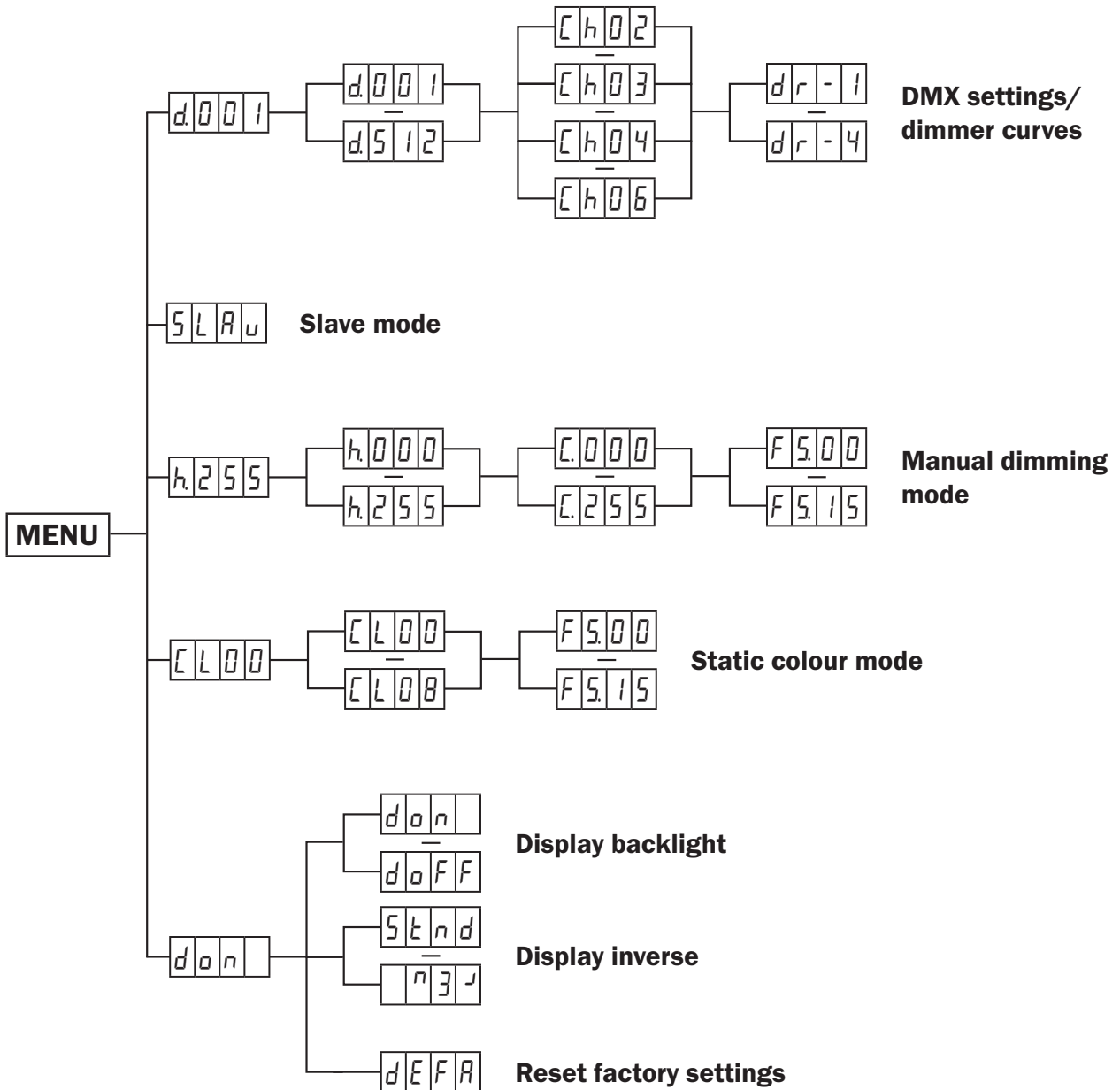




- 01 - Earth point
- 02 - Safety eye
- 03 - LED display
- 04 - Function buttons
- 05 - 3-Pin DMX input
- 06 - 3-Pin DMX output
- 07 - 5-Pin DMX input

- 08 - 5-Pin DMX output
- 09 - PowerCON input
- 10 - PowerCON output
- 11 - Fuse T3A 250V
- 12 - Hanging bracket
- 13 - Hanging bracket adjustable knob

In the box: **1 x fixture,**
1 x 25° beam reduction lens,
1 x 40° beam reduction lens,
1 x 50° beam reduction lens,
1 x power 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 address mode, press the “MENU” button on the rear of the unit to show *d00 1* on the LED display. Now use the “UP” and “DOWN” buttons to set the required DMX address. Press the “ENTER” button to confirm the setting. The DMX channel mode will now be displayed, use the “UP” and “DOWN” buttons on the rear of the unit to select either 2/3/4 or 6 DMX channel mode.

Press the “ENTER” button to confirm the setting. The dimming curve settings will now be displayed, use the “UP” and “DOWN” buttons on the rear of the unit to select between *dr - 1 ~ dr - 4*.

Press the “ENTER” button to confirm the setting.

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

dr - 1 - Linear *dr - 2* - Square Law *dr - 3* - Inverse Square Law *dr - 4* - S-curve

2 channel mode:

Channel	Value	Function
1	000-255	Cool White dimmer (0-100%)
2	000-255	Warm White dimmer (0-100%)

3 channel mode:

Channel	Value	Function
1	000-255	Cool White dimmer (0-100%)
2	000-255	Warm White dimmer (0-100%)
3	000-020	Linear (dimming curve)
	021-040	Square Law (dimming curve)
	041-060	Inverse Square Law (dimming curve)
	061-080	S-Curve (dimming curve)
	081-255	Default dimming curve (set via menu)

4 channel mode:

Channel	Value	Function
1	000-255	Cool White dimmer (0-100%)
2	000-255	Warm White dimmer (0-100%)
3	000-255	Master dimmer (0-100%)
4	000-020	Linear (dimming curve)
	021-040	Square Law (dimming curve)
	041-060	Inverse Square Law (dimming curve)
	061-080	S-Curve (dimming curve)
	081-255	Default dimming curve (set via menu)

6 channel mode:

Channel	Value	Function
1	000-255	Cool White dimmer (0-100%)
2	000-255	Warm White dimmer (0-100%)
3	000	No function
	001-255	Variable white (3200K-6400K)
4	000-015	No function
	016-255	Strobe (slow-fast)
5	000-255	Master dimmer (0-100%)
6	000-020	Linear (dimming curve)
	021-040	Square Law (dimming curve)
	041-060	Inverse Square Law (dimming curve)
	061-080	S-Curve (dimming curve)
	081-255	Default dimming curve (set via menu)

Master/slave mode:

To set the master unit, press the “MENU” button on the rear of the master unit then select your desired program (sound active or dimmer modes). To set the other units in slave mode, press the “MENU” button on the rear of the unit to show *SLAV* on the LED display and press the “ENTER” button to confirm the setting. The units will now run in sequence with the master unit.

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

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

Manual dimming mode:

To access the manual dimming mode, press the “MENU” button until the display shows *h.255* on the LED display. Use the “UP” and “DOWN” buttons to select the required brightness of warm white from *h.000* ~ *h.255*. Press the “ENTER” button and then use the “UP” and “DOWN” buttons to select the required brightness of cool white from *l.000* ~ *l.255*. To adjust the flash speed press the “ENTER” button and then use the “UP” and “DOWN” buttons to select any value from *F5.00* ~ *F5.15*.

Press the “ENTER” button to confirm the setting.

Value: 000 - 255 (000 = low brightness, 255 = high brightness)

Value: 00 - 15 (00 = no flash, 15 = fast flash speed)

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

Static colour:

To access the static colour mode, press the “MENU” button until the display shows *l.l00* on the LED display. Use the “UP” and “DOWN” buttons to select the required static colour from *l.l00* ~ *l.l08*. To adjust the flash speed press the “ENTER” button and then use the “UP” and “DOWN” buttons to select any value from *F5.00* ~ *F5.15*. Press the “ENTER” button to confirm the setting.

Value: 00 - 15 (00 = no flash, 15 = fast flash speed)

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

Display backlight:

To access the display backlight setting, press the “MENU” button until the display shows *d0n* on the LED display. Use the “UP” and “DOWN” buttons to select either *d0n* (display backlight on) ~ *d0FF* (display backlight off). Press the “ENTER” button to confirm the setting.

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

Display inverse:

To access the display inverse setting, press the “MENU” button until the display shows *d0n* on the LED display. Press the “ENTER” button to display *Stnd* and use the “UP” and “DOWN” buttons to select either *Stnd* (display standard) ~ *inv* (display inverse).

Press the “ENTER” button to confirm the setting.

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

Reset factory settings:

To reset the factory settings, press the “**MENU**” button until the display shows *dOn* on the LED display. Press the “**ENTER**” button twice to display *dEFA*. Press the “**UP**” and “**DOWN**” buttons together and the fixture will be reset to its factory settings.

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

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

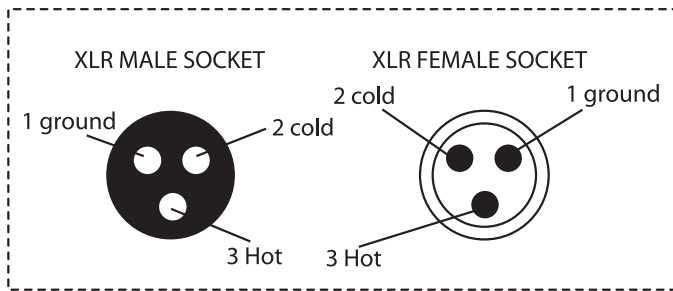
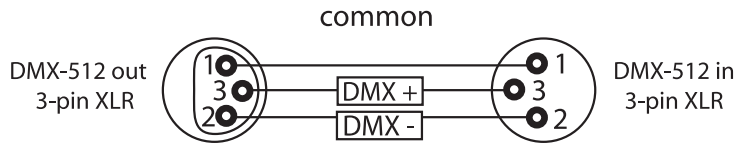
CABL11 – 5m

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.



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

Special note:

Line termination:

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

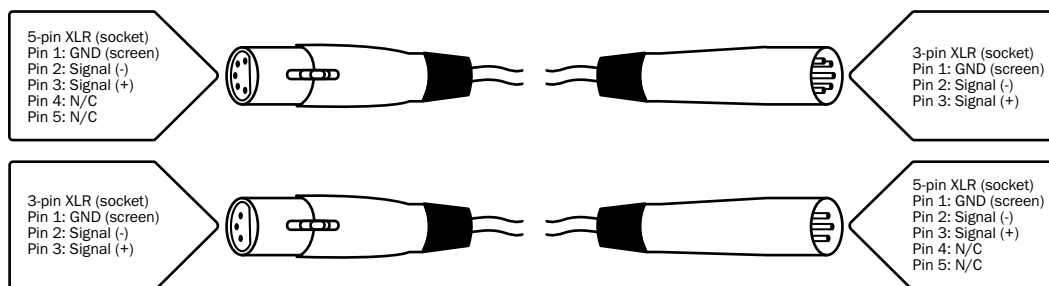
Using a cable terminator will decrease the possibilities of erratic behaviour.

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

Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

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





***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.



LEDj