

# LEDj

## **FS300 LED Followspot** User Manual



Order code: FOLL013

### 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.

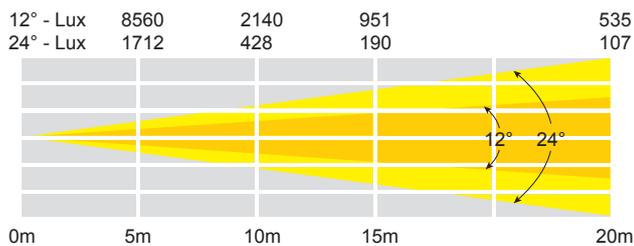
Do not endanger your own safety and the safety of others!

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

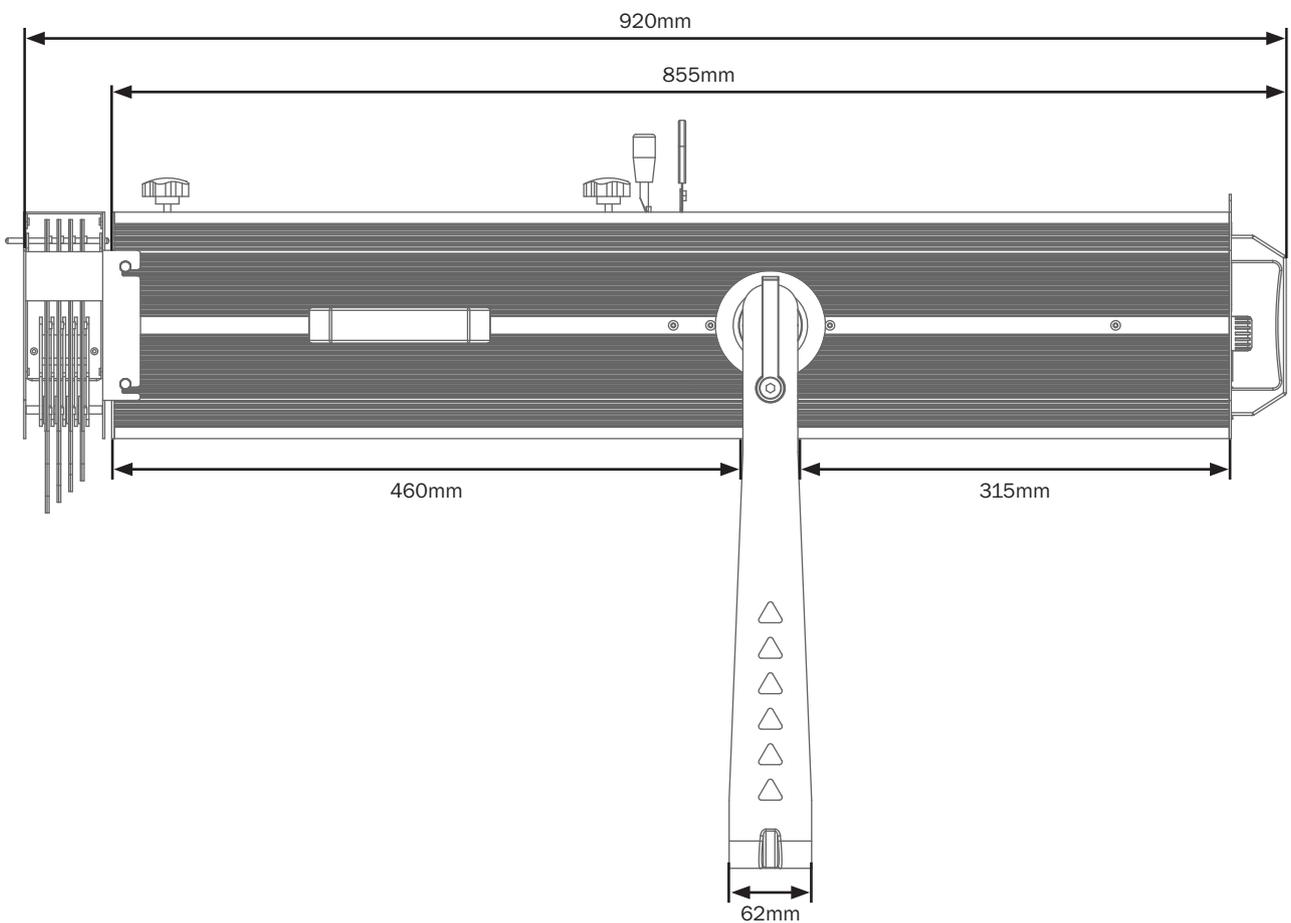
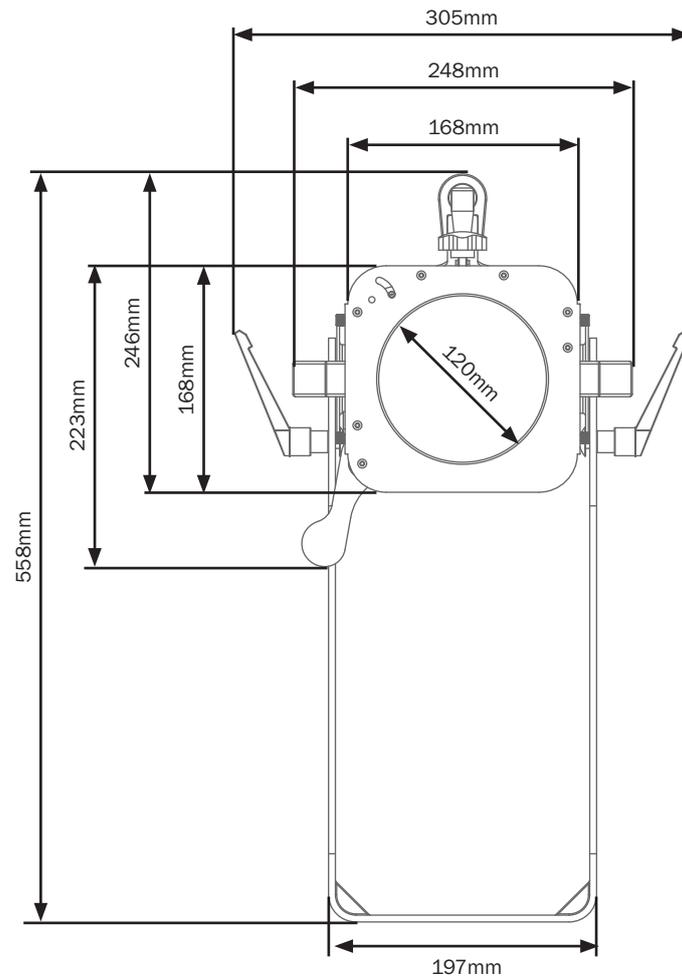
### FS300 LED Followspot

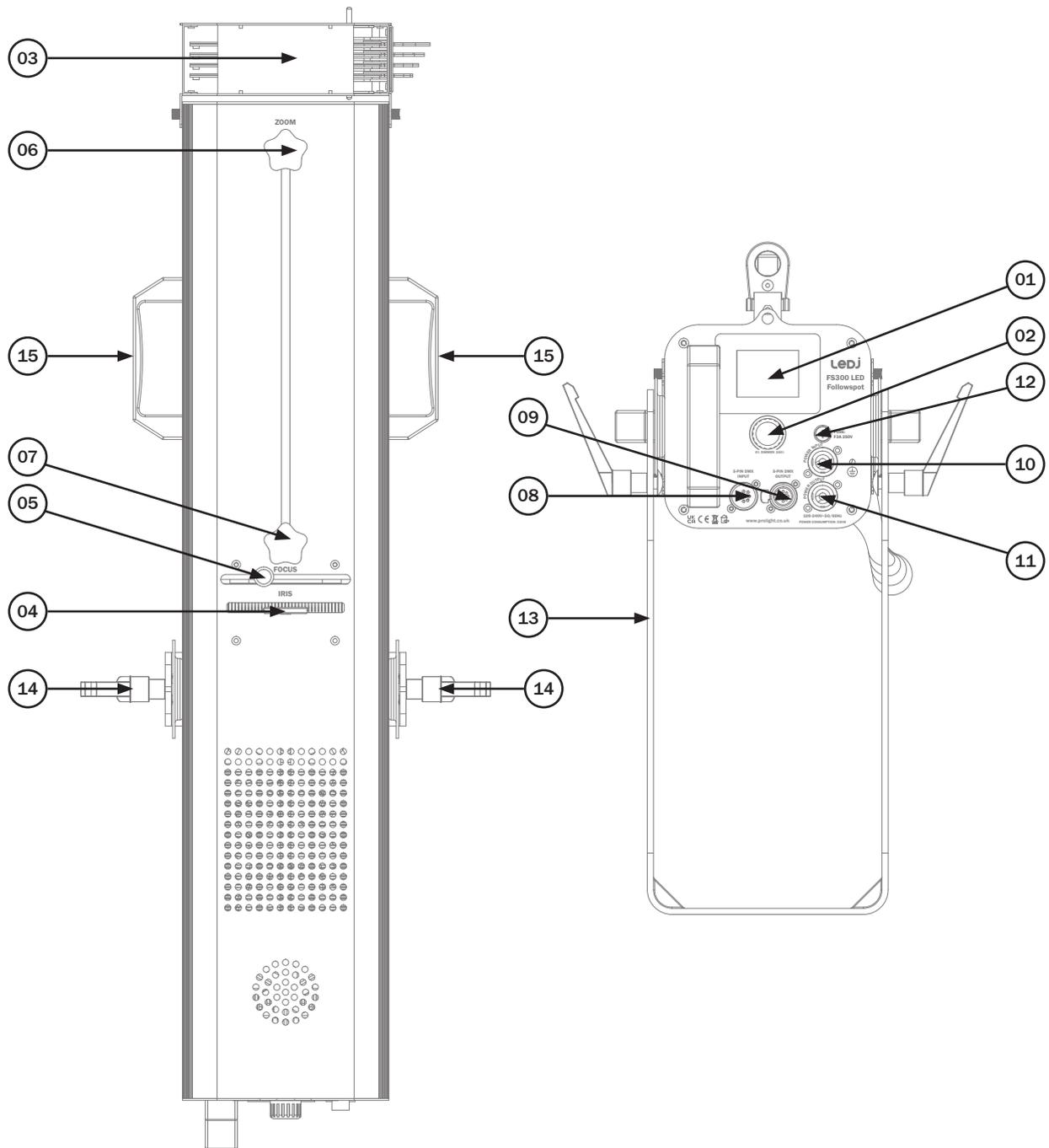
The FS300 LED Followspot is powered with a cool white (5600K) 300W LED and features manual focus, whilst the manually adjustable zoom is facilitated between 12° - 24°, making it suitable for a variety of events and applications. The LCD touch screen provides easy navigation of the menu settings, including control over 0-100% dimming and 4 dimmer curves. The whole fixture is enclosed in a robust metal housing and features gobo slot and comes supplied with colour changer magazine.

- 1 x 300W cool white COB LED (5600K)
- Manually adjustable beam angle: 12° - 24°
- 12° - 2,141 lux @ 10m, 24° - 428 lux @ 10m
- CRI: 95
- 15kHz refresh rate
- Manual dimming potentiometer
- Manual focus and zoom
- Manual iris
- Gobo slot
- Gobo size: 74.5mmØ,  
Image size: 65mmØ,  
Max. thickness: 2mm
- DMX channels: 1
- 0-100% dimming
- 4 dimming curves: Linear, square law,  
inverse square law and S-curve
- Touch screen LCD display
- PowerCON input/output
- 5-Pin XLR input/output
- Fan cooled
- Side and rear positioning handles
- Includes colour changer magazine
- Supplied with gobo holder



Specifications	FS300 LED Followspot
Power consumption	330W
Power supply	100~240V, 50/60Hz
Fuse	F3A 250V
Dimensions without colour changer magazine	480 x 300 x 850mm
Dimensions with colour changer magazine	480 x 300 x 915mm
Weight without colour changer magazine	13.7kg
Weight with colour changer magazine	14.2kg
Order code	FOLL013





- 01 - LCD display
- 02 - Dimmer
- 03 - Colour changer magazine
- 04 - Gobo slot
- 05 - Iris
- 06 - Zoom adjustment
- 07 - Focus adjustment
- 08 - 5-Pin DMX input

- 09 - 5-Pin DMX output
- 10 - PowerCON input
- 11 - PowerCON output
- 12 - Fuse: F3A 250V
- 13 - Hanging bracket
- 14 - Hanging bracket adjustable knob
- 15 - Positioning handles

In the box:  
**1 x fixture,**  
**1 x glass gobo,**  
**1 x colour changer**  
**magazine,**  
**& 1 x power cable**

Main Menu (Icon)	Menu 1	Menu 2	Menu 3	Menu 4	Description
 DMX Settings	DMX Address	001-512			DMX Address Setting
	DMX Channel Mode	01ch			DMX Channel Setting
	DMX FAIL	STATIC			DMX Fail Setting
		Blackout			
		Hold Last			
DIM Mode	LED			Dimming Speed Setting	
	Halogen				
 Option	Master	Master	ON/OFF		Master Mode Setting
	Slave	Slave	ON/OFF		Slave Mode Setting
	Dim Curves	Dim Curves	Linear		Dimming Curve Setting
			Square		
			Square Inverse		
			S-Curve		
	Display	Screen Saver Delay	OFF/01-10		Screen Saver Delay Setting
		Touch Screen Lock	OFF/30 seconds/1 minute		Touch Screen Lock Setting
Rotate Display 180°		YES/NO		Display Rotate Setting	
Service	Passcode 011	Factory Restore	YES/NO		Factory Restore Setting
 Manual Control	White	000-255			Manual Control Mode
 Information	Information	LED Temperature	xxxC/xxxF		LED Temperature
		Software Version	x.xx		Software Version

### DMX Address:

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  icon on the touchscreen display.

Use the “▲” and “▼” buttons to highlight “**DMX Address**”. Press the “☞” button and use the “▲” and “▼” buttons to select the required the DMX address (000-512). Press the “☞” button to confirm the setting. To exit out of any of the above options, press the “◀” button.

### DMX Channel Mode:

To access the DMX channel mode, press the  icon on the touchscreen display.

Use the “▲” and “▼” buttons to highlight “**DMX Channel Mode**”. Press the “☞” button and use the “▲” and “▼” buttons to select the required channel mode (01ch). Press the “☞” button to confirm the setting. To exit out of any of the above options, press the “◀” button.

### 1 channel mode:

Channel	Value	Function
1	000-255	Dimmer (0-100%)

### DMX Fail:

To access the DMX Fail mode, press the  icon on the touchscreen display.

Use the “▲” and “▼” buttons to highlight “**DMX FAIL**”. Press the “☞” button and use the “▲” and “▼” buttons to select between STATIC, Blackout, or Hold Last. Press the “☞” button to confirm the setting. To exit out of any of the above options, press the “◀” button.

STATIC - Put the unit in Manual Control mode when the DMX Signal is lost

Blackout - Blacks the fixture out when the DMX Signal is lost

Hold Last - Holds the last DMX command when DMX Signal is lost

### Dimming Mode:

To access the Dimming mode, press the  icon on the touchscreen display.

Use the “▲” and “▼” buttons to highlight “**DIM Mode**”. Press the “☞” button and use the “▲” and “▼” buttons to select between LED or Halogen. Press the “☞” button to confirm the setting. To exit out of any of the above options, press the “◀” button.

**Master Mode:**

To access the Master mode, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Master**”. Press the “” button and use the “” and “” buttons to select the required between “**ON**” or “**OFF**”. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

**Slave Mode:**

To access the Slave mode, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Slave**”. Press the “” button and use the “” and “” buttons to select the required between “**ON**” or “**OFF**”. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

**Dimming Curves:**

To access the Dimming Curve setting, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Dim Curves**”. Press the “” button and use the “” and “” buttons to select between Linear, Square, Square Inverse or S-Curve. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

**Screen Saver Delay:**

To access the Screen Saver Delay setting, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Display**”. Press the “” button and use the “” and “” buttons to highlight “**Screen Saver Delay**”. Press the “” button and use the “” and “” buttons to select the required between “**OFF**” or “**01-10**” (seconds). Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

**Touch Screen Lock:**

To access the Touch Screen Lock setting, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Display**”. Press the “” button and use the “” and “” buttons to highlight “**Touch Screen Lock**”. Press the “” button and use the “” and “” buttons to select the required between “**OFF**”, “**30 seconds**” or “**1 minute**”. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

**Rotate Display 180°:**

To access the Display Rotate setting, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Display**”. Press the “” button and use the “” and “” buttons to highlight “**Rotate Display 180°**”. Press the “” button and use the “” and “” buttons to select the required between “**YES**” or “**NO**”. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

### Service Menu:

To access the Service menu, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Service**”. Press the “” button and use the “” and “” buttons to select the passcode (011). Press the “” button and use the “” and “” buttons to select the required between “**YES**” or “**NO**”. Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

### Manual Control:

To access the Manual Control mode, press the “” icon on the touchscreen display. Use the “” and “” buttons to select the required brightness (000-255). Press the “” button to confirm the setting. To exit out of any of the above options, press the “” button.

### LED Temperature:

To access the LED Temperature, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**LED Temperature**”. Press the “” button. The LED Temperature will now be displayed. To exit out of any of the above options, press the “” button.

### Software version:

To access the Software version, press the “” icon on the touchscreen display. Use the “” and “” buttons to highlight “**Software version**”. Press the “” button. The LED Temperature will now be displayed. To exit out of any of the above options, press the “” button.

#### Included gobo:



### 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.

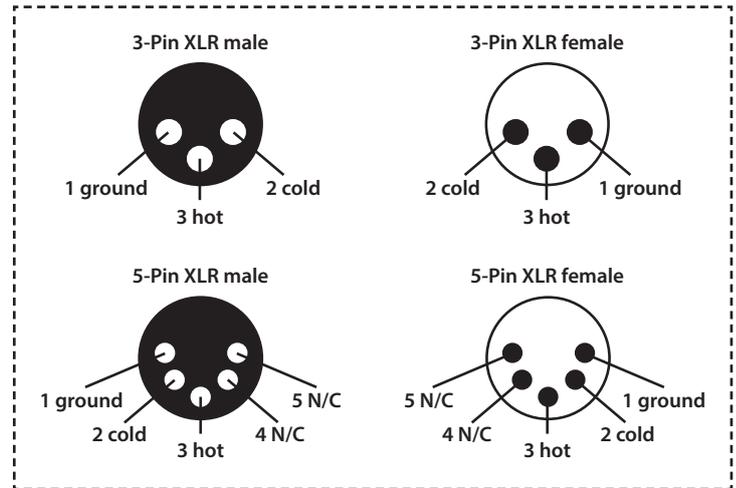
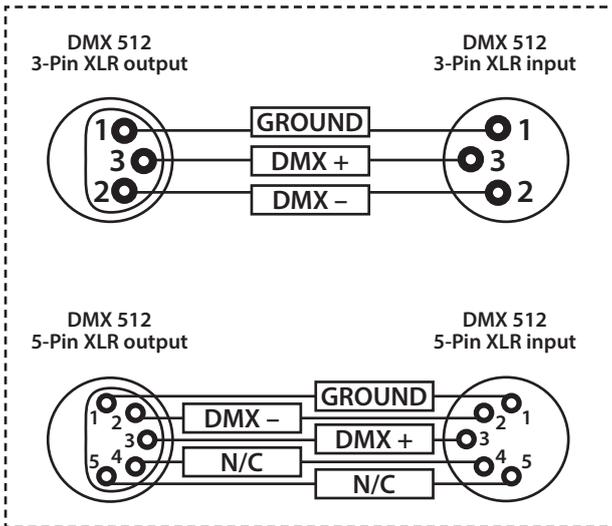
Please quote:	3-Pin:	<b>CABL10 - 2m</b>	<b>CABL11 - 5m</b>	<b>CABL12 - 10m</b>
	5-Pin:	<b>CABL185 - 2m</b>	<b>CABL187 - 5m</b>	<b>CABL188 - 10m</b>

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

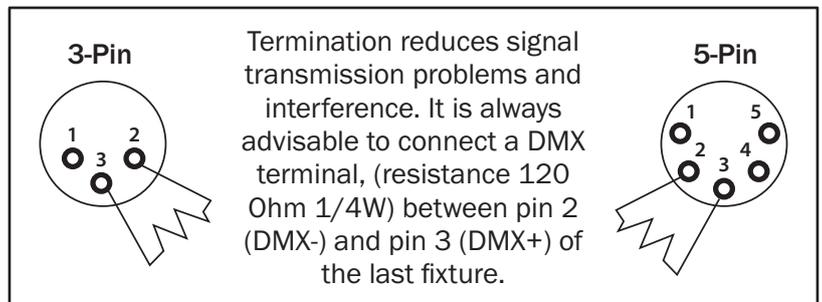


**Line termination:**

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

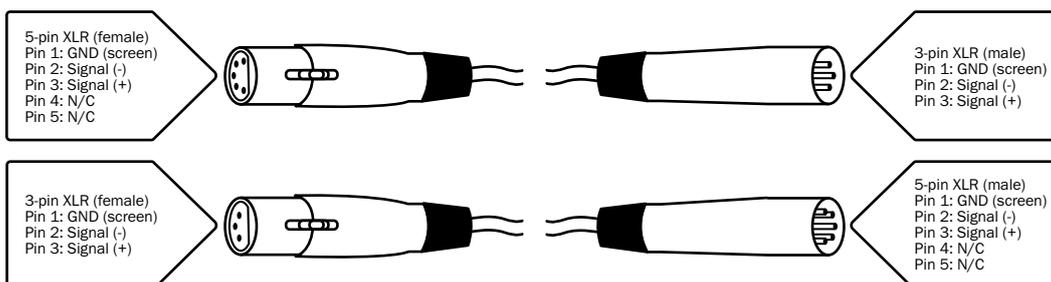
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

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



**5-pin XLR DMX connectors:**

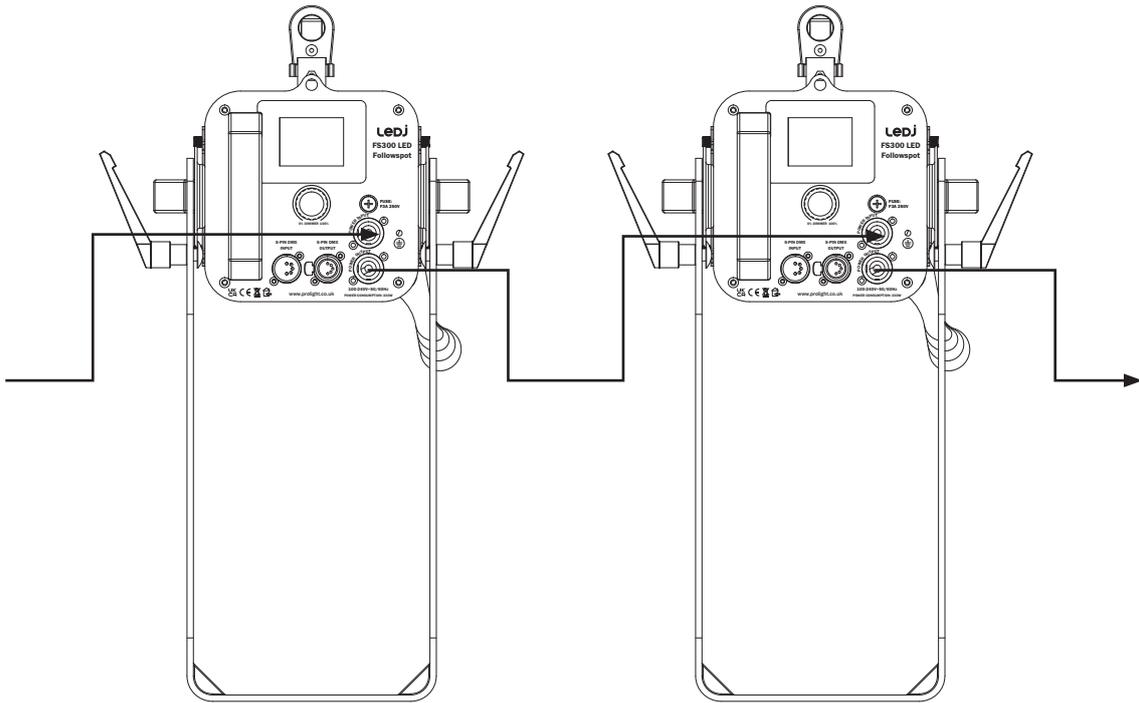
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



### 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 FS300 LED Followspot as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.





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

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

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

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

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







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