

LEDj

Artisan 1200 RGBAL Profile

User Manual



Order code: LEDJ331

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.

Artisan 1200 RGBAL Profile

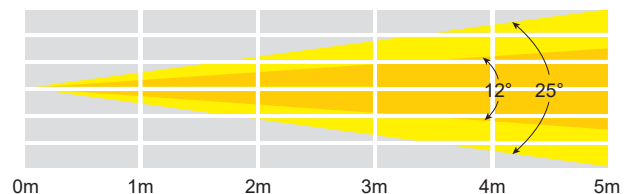
The Artisan 1200 RGBAL Profile is ideal for schools, churches and stages. Control of the unit is facilitated via a 4 button menu and LCD display, whilst the beam angle can be manually adjusted. A handy IR remote control is included and an optional W-DMX Compatible Transceiver can be added into the back panel. The fixture is enclosed in a robust chassis featuring four framing shutters, a gobo slot with holder and is supplied with a filter frame.

- 1 x 150W five-colour COB LED (RGBAL)
- Manually adjustable beam angle: 12° - 25°
- 12° - 14,359 Lux @ 2m, 25° - 4,738 Lux @ 2m
- 14.4kHz refresh rate
- CRI: 98
- Beam framing shutters
- Glass condenser optic system with zoom and focus adjustment
- Gobo slot
- DMX channels: 5/6/8 or 9 selectable
- Artisan Series W-DMX USB compatibility for wireless master/slave or DMX control
- 0-100% dimming
- Variable strobe
- 4 dimming curves : Linear, square law, inverse square law and S-curve
- 4 button menu with LCD display
- powerCON input/output
- 5-Pin XLR input/output
- Temperature controlled fan for whisper quiet operation
- Handle on rear panel
- Filter frame included
- Supplied with gobo holder and 4 gobos
- Gobo size: 74.5mmØ, Image size: 63mmØ, Max. thickness: 2mm
- Supplied with IR remote

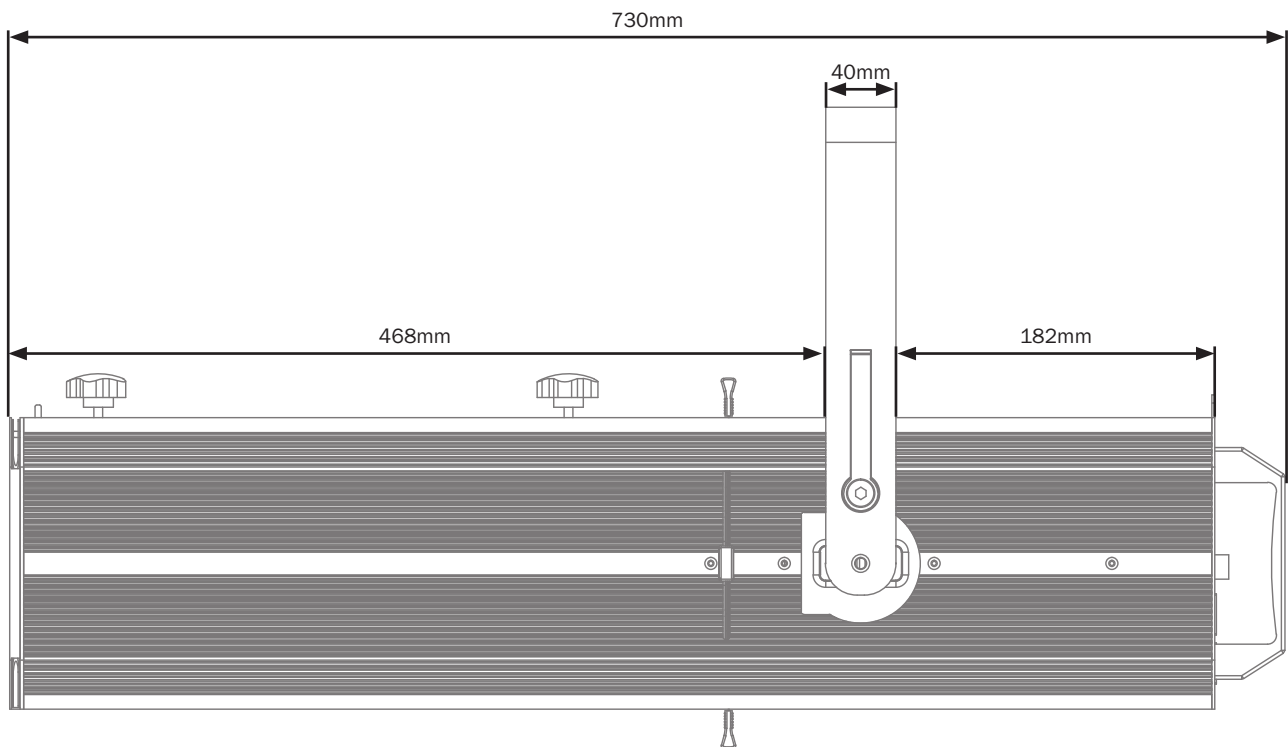
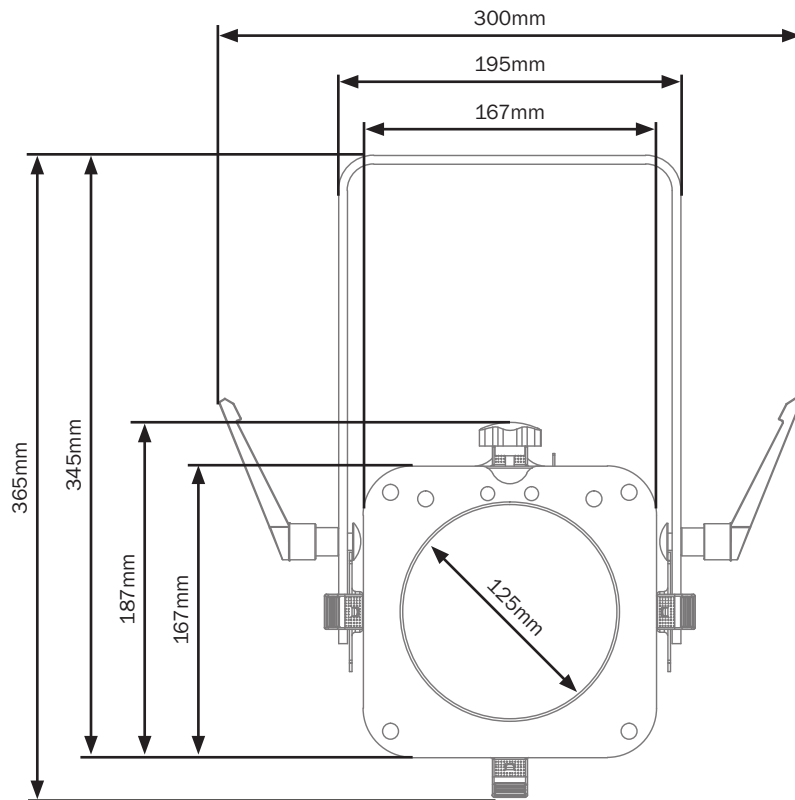


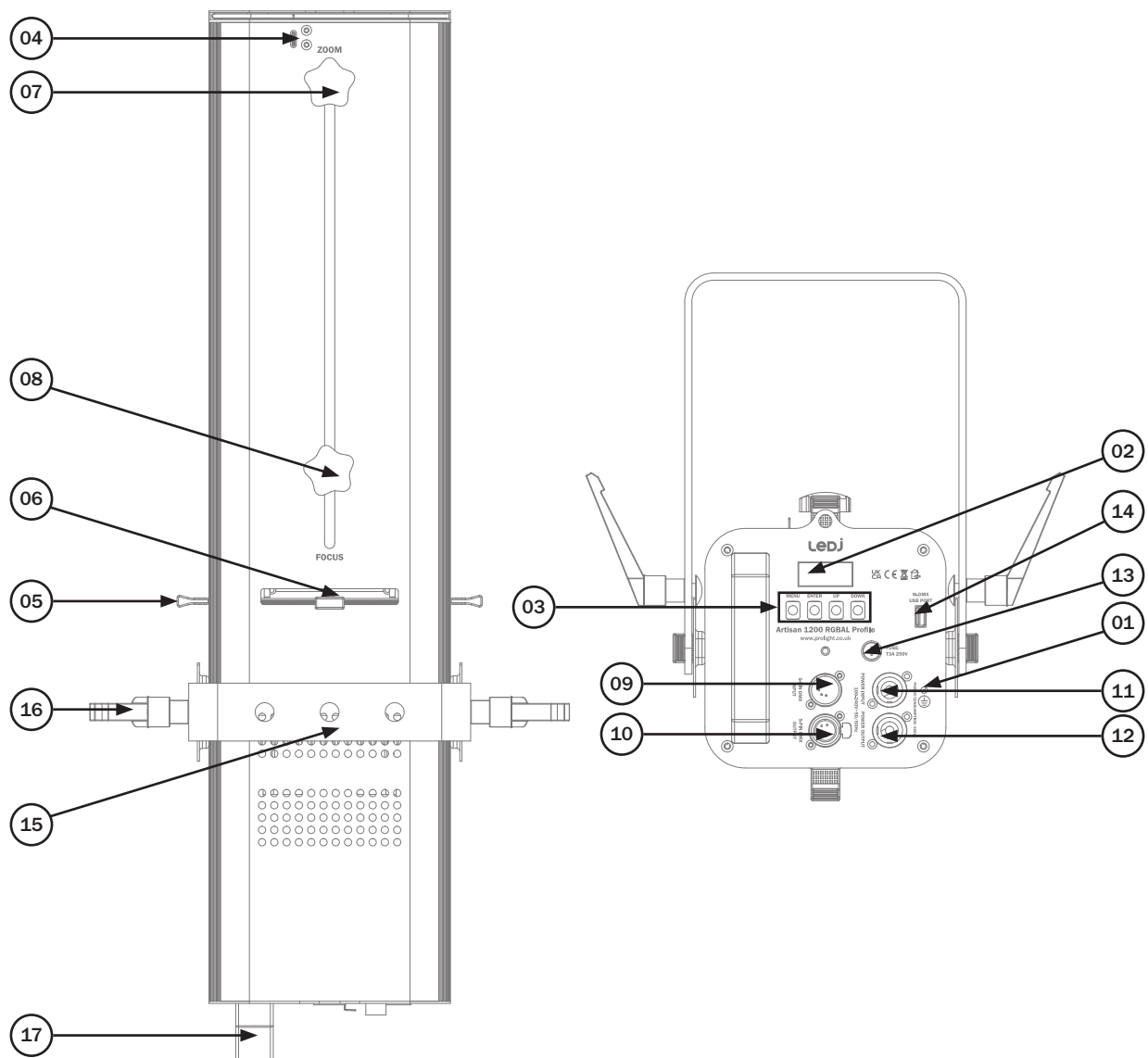
12° - Lux					
FULL ON	57436	14359	6381	3589	2297
R	8360	2090	928	522	334
G	14144	3536	1571	884	565
B	2572	643	285	160	102
A	12880	3220	1431	805	515
L	23800	5950	2644	1487	952

25° - Lux					
FULL ON	18952	4738	2105	1184	758
R	2324	581	258	145	92.9
G	4916	1229	546	307	196
B	968	242	107	60.5	38.7
A	4552	1138	505	284	182
L	8116	2029	901	507	324



Specifications	Artisan 1200 RGBAL Profile
Power consumption	170W
Power supply	100~240V, 50/60Hz
Fuse	T3A 250V
Dimensions	365 x 300 x 730mm
Weight	9.3kg
Order code	LEDJ331

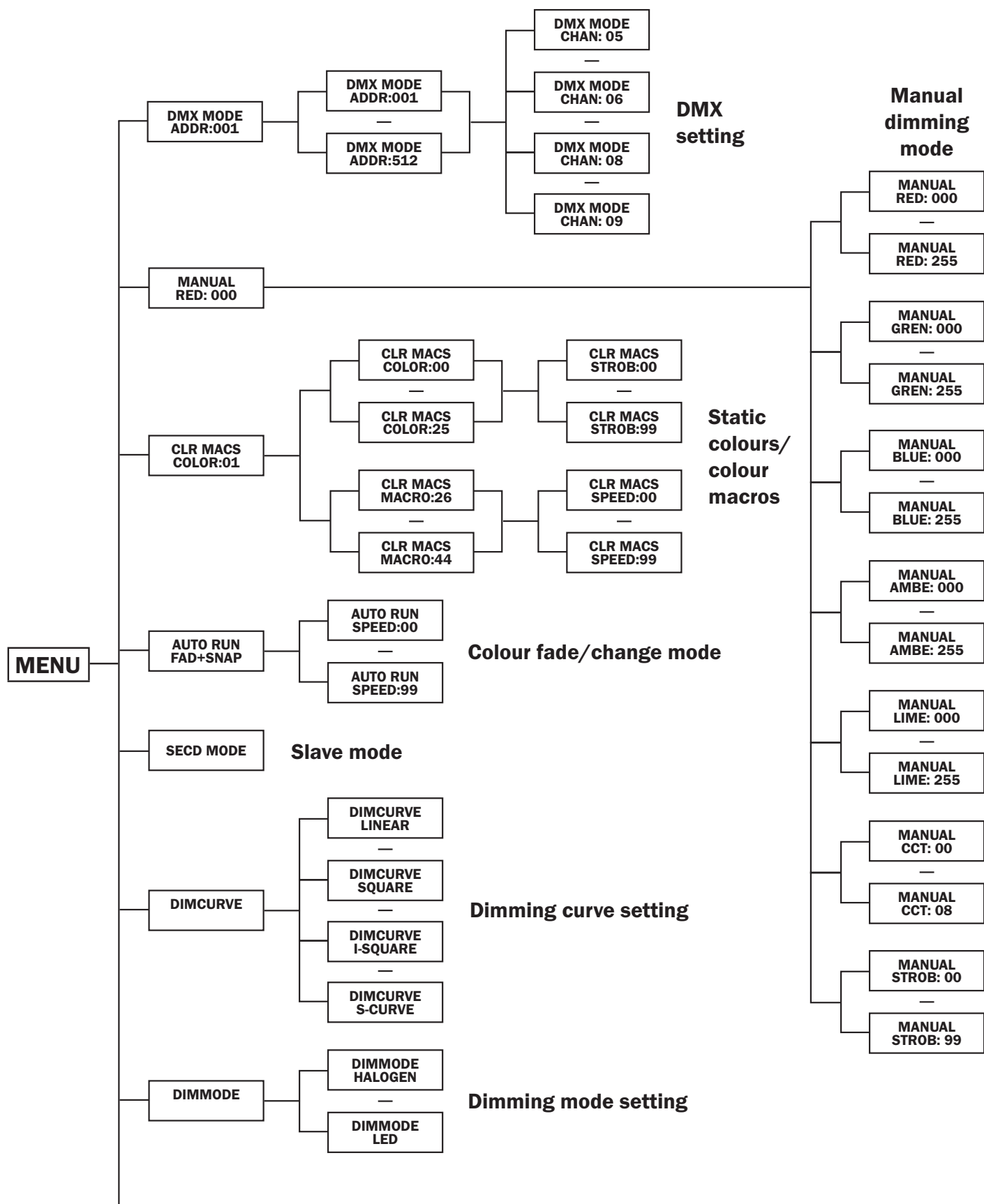


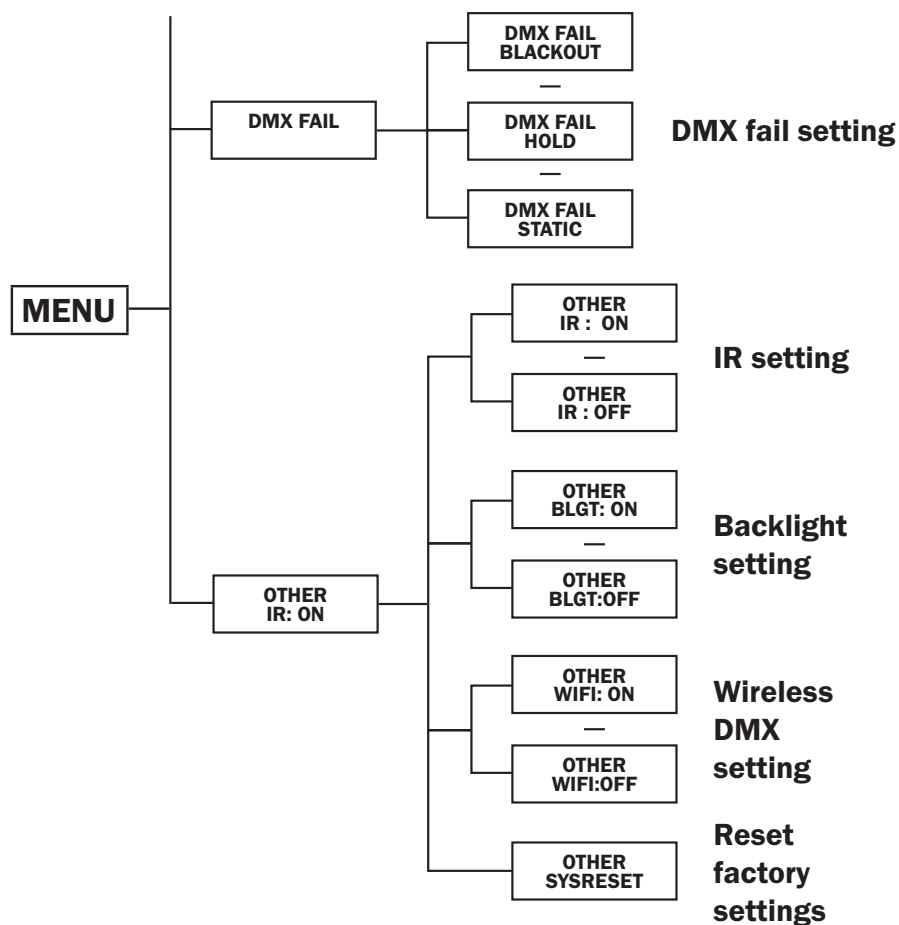


- 01 - Earth point
- 02 - LCD display
- 03 - Function buttons
- 04 - Colour frame release mechanism
- 05 - Framing shutters
- 06 - Gobo slot
- 07 - Zoom adjustment
- 08 - Focus adjustment
- 09 - 5-Pin DMX input

- 10 - 5-Pin DMX output
- 11 - PowerCON input
- 12 - PowerCON output
- 13 - Fuse: T3A 250V
- 14 - Wireless DMX USB input
- 15 - Hanging bracket
- 16 - Hanging bracket adjustable knob
- 17 - Carry handle

In the box: **1 x fixture,**
4 x glass gobos,
1 x IR remote,
1 x power cable
& 1 x user manual





DMX mode:

To access the DMX address mode, press the “MENU” button to show “DMX MODE ADDR” on the LCD display. Now use the “UP” and “DOWN” buttons to set the required DMX address. Press the “ENTER” button to show “DMX MODE CHAN” on the LCD display and use the “UP” and “DOWN” buttons to select the required the DMX channel (5/6/8 or 9 selectable). Press the “ENTER” button to confirm the setting. To exit out of any of the above options, press the “MENU” button.

5 channel mode:

Channel	Value	Function
1	000-255	Red dimmer (0-100%)
2	000-255	Green dimmer (0-100%)
3	000-255	Blue dimmer (0-100%)
4	000-255	Amber dimmer (0-100%)
5	000-255	Lime dimmer (0-100%)

6 channel mode:

Channel	Value	Function
1	000-255	Red dimmer (0-100%)
2	000-255	Green dimmer (0-100%)
3	000-255	Blue dimmer (0-100%)
4	000-255	Amber dimmer (0-100%)
5	000-255	Lime dimmer (0-100%)
6	000	No function
	001-189	Master dimmer (0-100%)
	190-250	Strobe (slow-fast)
	251-255	All colours full on

8 channel mode:

Channel	Value	Function
1	000-255	Red dimmer (0-100%)
2	000-255	Green dimmer (0-100%)
3	000-255	Blue dimmer (0-100%)
4	000-255	Amber dimmer (0-100%)
5	000-255	Lime dimmer (0-100%)
6	000-004	No function
	005-031	2700K
	032-063	3100K
	064-095	3500K
	096-127	3900K
	128-159	4300K
	160-191	5700K
	192-223	5100K
	224-255	5600K
7	000-255	Master dimmer (0-100%)
8	000-004	No function
	005-255	Strobe (slow-fast)

9 channel mode:

Channel	Value	Function
1	000-255	Red dimmer (0-100%)
2	000-255	Green dimmer (0-100%)
3	000-255	Blue dimmer (0-100%)
4	000-255	Amber dimmer (0-100%)
5	000-255	Lime dimmer (0-100%)
6	000-255	Master dimmer (0-100%)
7	000-004	No function
	005-255	Strobe (slow-fast)
8	000-255	Static colours/colour macros (see chart below)
9	000-255	Macro speed (when channel 8 is between 156-255)

000-005	Blackout	041-045	Colour 8	081-085	Colour 16	121-125	Colour 24	186-190	Macro 7
006-010	Colour 1	046-050	Colour 9	086-090	Colour 17	126-155	Colour 25	191-195	Macro 8
011-015	Colour 2	051-055	Colour 10	091-095	Colour 18	156-160	Macro 1	196-200	Macro 9
016-020	Colour 3	056-060	Colour 11	096-100	Colour 19	161-165	Macro 2	201-205	Macro 10
021-025	Colour 4	061-065	Colour 12	101-105	Colour 20	166-170	Macro 3	206-210	Macro 11
026-030	Colour 5	066-070	Colour 13	106-110	Colour 21	171-175	Macro 4	211-215	Macro 12
031-035	Colour 6	071-075	Colour 14	111-115	Colour 22	176-180	Macro 5	216-220	Macro 13
036-040	Colour 7	076-080	Colour 15	116-120	Colour 23	181-185	Macro 6	221-255	Macro 14

Manual dimming mode:

To access the manual dimming mode press the “MENU” button until the display shows “MANUAL RED” on the LCD display. Press the “ENTER” button to select between “RED”, “GREEN”, “BLUE”, “AMBE”, “LIME”, “CCT”, “STROB”. Use the “UP” and “DOWN” buttons to select the required brightness for Red, Green, Blue, Amber or Lime from “000” ~ “255”, or the required CCT “00” ~ “08”, or the required strobe speed from “00” ~ “99”. Press the “ENTER” button to confirm the setting.

Value: 000 - 255 (000 = LED off, 255 = high brightness)

Value: 00 - 99 (00 = no strobe, 15 = fast strobe speed)

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

Static colour/colour macros:

To access the static colour/colour macros press the **"MENU"** button until the display shows **"CLR MACS"** on the LCD display. Use the **"UP"** and **"DOWN"** buttons to select the required colour or macro from **"COLOR:00" ~ "MACRO:44"**. When **"COLOR:01" ~ "COLOR:25"** is selected, press the **"ENTER"** button and then use the **"UP"** and **"DOWN"** buttons to select the strobe speed from **"00" ~ "99"**.

Press the **"ENTER"** button to confirm the setting. When **"MACRO:26" ~ "MACRO:44"** is selected, press the **"ENTER"** button and then use the **"UP"** and **"DOWN"** buttons to select the macro speed from **"00" ~ "99"**. Press the **"ENTER"** button to confirm the setting.

Value: 00 - 99 (00 = no strobe, 99 = fast strobe speed)

Value: 00 - 99 (00 = macro stop, 99 = fast macro speed)

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

Fade/colour change mode:

To access the fade in/out mode, press **"MENU"** until the display shows **"AUTO RUN"** on the LCD display. Press the **"ENTER"** button and then use the **"UP"** and **"DOWN"** buttons to select the required fade/change speed from **"00" ~ "99"**.

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

Value: 00 - 99 (00 = slow speed, 99 = fast speed)

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

Master/slave mode:

To set the master unit, press the **"MENU"** button on the master unit to select either the manual mode or the fade in/out mode.

To set the other units in slave mode, press the **"MENU"** button on the slave unit to show **"SLAVE MODE"**. Press the **"ENTER"** button to confirm the setting.

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.

Dimming curves:

To access the fixtures dimming curves, press the **"MENU"** button to show **"DIMCURVE"** on the LCD display. Now use the **"UP"** and **"DOWN"** buttons on the rear of the unit to select between **"LINEAR"**, **"SQUARE"**, **"I-SQUARE"** and **"S-CURVE"**. Press the **"ENTER"** button to confirm the setting.

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

Dimming mode:

To access the fixtures dimming mode, press the **"MENU"** button to show **"DIMMODE"** on the LCD display. Now use the **"UP"** and **"DOWN"** buttons on the rear of the unit to select between **"HALOGEN"** and **"LED"**. Press the **"ENTER"** button to confirm the setting.

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

DMX fail setting:

To access the fixtures DMX fail setting, press the **"MENU"** button to show **"DMX FAIL"** on the LCD display. Now use the **"UP"** and **"DOWN"** buttons on the rear of the unit to select between **"BLACKOUT"**, (blacks out the fixture when signal is lost) **"HOLD"** (holds last DMX command) and **"STATIC"** (manual mode). Press the **"ENTER"** button to confirm the setting.

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

IR setting:

To access the units IR setting, press **"MENU"** to show **"OTHER IR"** on the LCD display. Use the **"UP"** and **"DOWN"** buttons to select the between **"ON"** (IR receiver on) and **"OFF"** (IR receiver off).

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

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

Backlight setting:

To access the units backlight setting, press **"MENU"** to show **"OTHER IR"** on the LCD display. Press the **"ENTER"** button to show **"BLGT"** on the LCD display. Press the **"UP"** and **"DOWN"** buttons to select the between **"ON"** (backlight on) and **"OFF"** (backlight goes off after 20 seconds). Press the **"ENTER"** button to confirm the setting.

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

Wireless DMX setting:

To access the units Wireless DMX setting, press **"MENU"** to show **"OTHER IR"** on the LCD display. Press the **"ENTER"** button twice to show **"WIFI"** on the LCD display. Press the **"UP"** and **"DOWN"** buttons to select the between **"ON"** and **"OFF"**. Press the **"ENTER"** button to confirm the setting.

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

Reset factory settings:

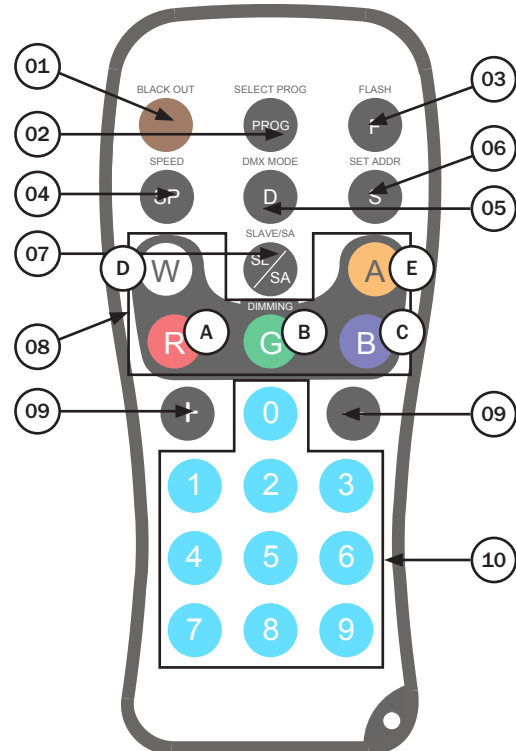
To reset the unit back to its factory settings, press **"MENU"** to show **"OTHER IR"** on the LCD display. Press the **"ENTER"** button three times to show **"SYSRESET"** on the LCD display. Press both the **"UP"** and **"DOWN"** buttons together and the unit will reset to factory settings.

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

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

IR remote functions:

- 01 - Sets the unit into blackout off/on (LED on/off)
- 02 - Activates the static colours/macros, use the 'PROG' button to cycle through static colour and macros modes.
Static colour - use the '+' and '-' buttons to select the required colour. Use the 'F' button followed by the '+' and '-' buttons to set the flash speed
Macros - use the 'SP' button followed by the '+' and '-' buttons to adjust the selected macro speed
- 03 - Activates the strobe, use the '+' and '-' buttons to adjust the strobe speed
- 04 - Activates the auto run/macro speed.
Press this button followed by the '+' and '-' buttons to adjust the program speed
- 05 - Activates the DMX mode. Press once and use the '+' and '-' buttons to adjust the DMX channel mode. The LEDs will flash to confirm the channel mode the fixture is in.
Red - 5 channel
Green - 6 channel
Blue - 8 channel
Amber - 9 channel
- 06 - Sets the DMX address, press once followed by three numeric buttons to set the DMX address required
- 07 - Activates the auto run mode. Press the 'SP' button followed by the '+' and '-' buttons to adjust the speed. Press again to activate slave mode.
- 08 - Activates the manual dimming mode, select one of the colours below and use the '+' and '-' buttons to select the brightness between 000-255. Repeat for all 4 other colours.
A - Red B - Green C - Blue D - Lime E - Amber
- 09 - Adjusts the colour macros, strobe speed, auto run speed, macro speed mode, DMX address, DMX channel mode and manual dimming modes
- 10 - Sets the DMX address



Wireless operation:

To operate the fixture (sold separately) wirelessly you will need to plug in the W-DMX Compatible USB Transceiver into the USB port on the rear of the fixture. W-DMX should also be set to “ON” in the fixtures settings (full instructions can be in the fixtures manual).

If using it in wireless DMX mode a compatible wireless DMX Transmitter (e.g. Wireless Solutions Sweden or Lumen Radio) will need to be connected.

The W-DMX Compatible USB Transceiver features 2 operating protocols as listed below.

The LED on the side of the dongle will illuminate a different colour for each operating protocol.

W-DMX G3 Transmit Protocol - Blue (when transmitting)

W-DMX Receive Protocol - Green (when receiving)

To set the dongle in one of these modes plug the W-DMX Compatible USB Transceiver into the USB port on the rear of the fixture. Press the button on the dongle whilst powering on the unit.

The LED will illuminate white for a brief moment and then change colour. You can then press the button which will scroll through the operating protocols. Once you have selected the chosen protocol, press and hold the button on the dongle for 3 seconds. The LED will illuminate white, then turn blue (transmit mode) or stay white (receive mode). The unit is now set in your chosen protocol.



W-DMX G3 Transmit Protocol:

Once in this protocol the LED will illuminate blue. This indicates the fixture is ready to pair with the receiver(s). Once all the receiver(s) have been set up press the button on the dongle once and the LED will flash blue quickly, this indicates it is attempting to pair with the receivers. Once pairing is complete the LED will illuminate static blue to indicate the fixture is transmitting signal.

To disconnect the transmitting fixture from all receiving fixtures within range when connected, hold the button on the transmitting fixtures dongle down for 3 seconds until the LED illuminates red.

This indicates the wireless memory has been cleared.

W-DMX Receive Protocol:

Once in this protocol the LED will illuminate white. This indicates a connection has not yet been established with the transmitter. Once the transmitter has been set up press the button on the transmitter fixtures dongle once or press the pair button on your wireless transceiver. The LED on the receiving units will flash green quickly, this indicates it is attempting to pair with the transmitter. Once pairing is complete the LED will illuminate static green to indicate the fixture is receiving signal.

To disconnect the transmitting fixture from all receiving fixtures within range when connected, hold the button on the transmitting fixtures dongle down for 3 seconds until the LED illuminates white.

This indicates the wireless memory has been cleared.

If the indicator on the receiving units flashes red quickly this indicates that the signal from the transmitting fixture has been lost.

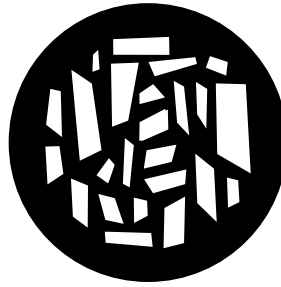
Included gobos:



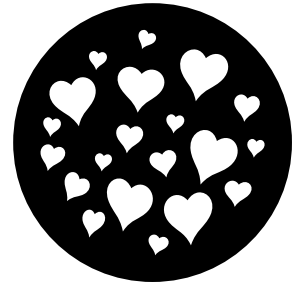
Gobo 1



Gobo 2



Gobo 3



Gobo 4

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.

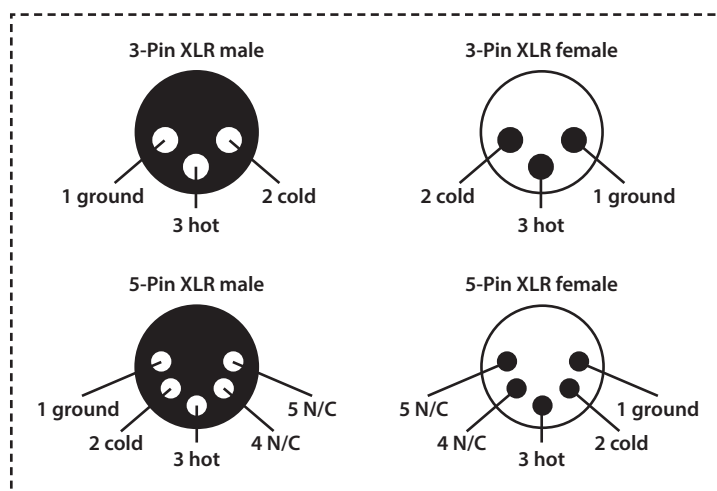
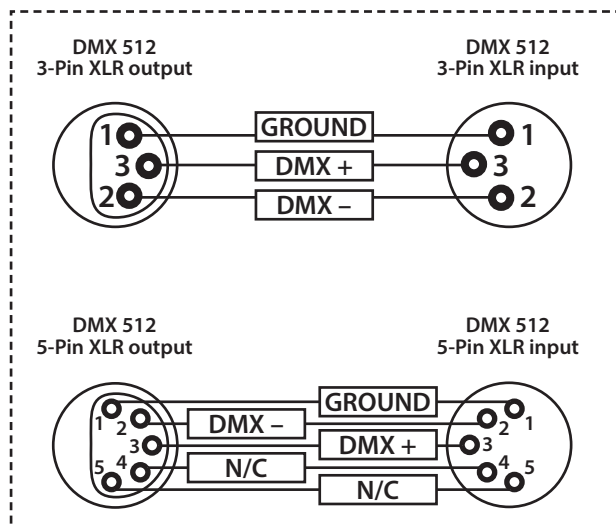
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

Pin Configuration	
3-Pin	5-Pin
	Pin 1 - Ground
	Pin 2 - Negative
	Pin 3 - Positive
-	Pin 4 - N/C
-	Pin 5 - N/C



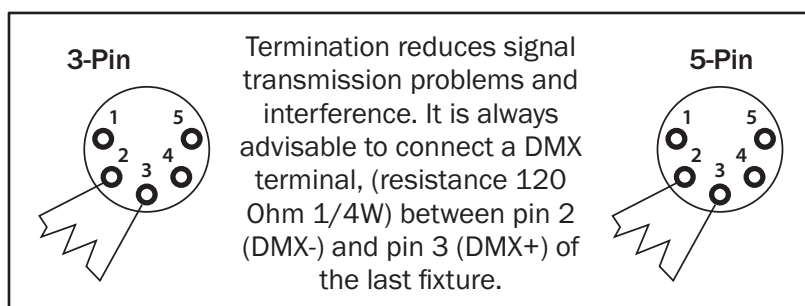
Line termination:

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

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

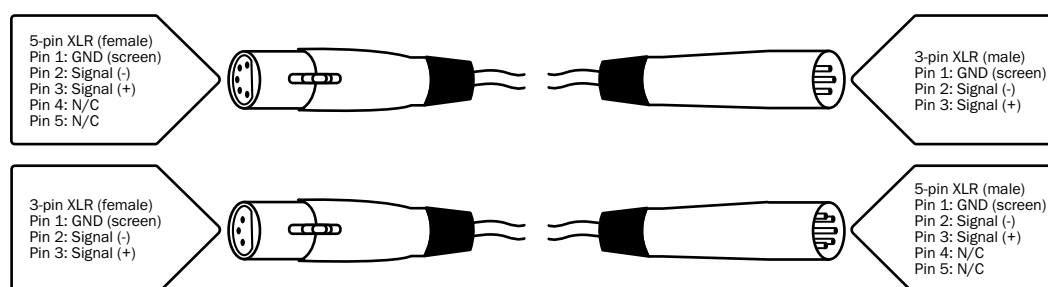
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

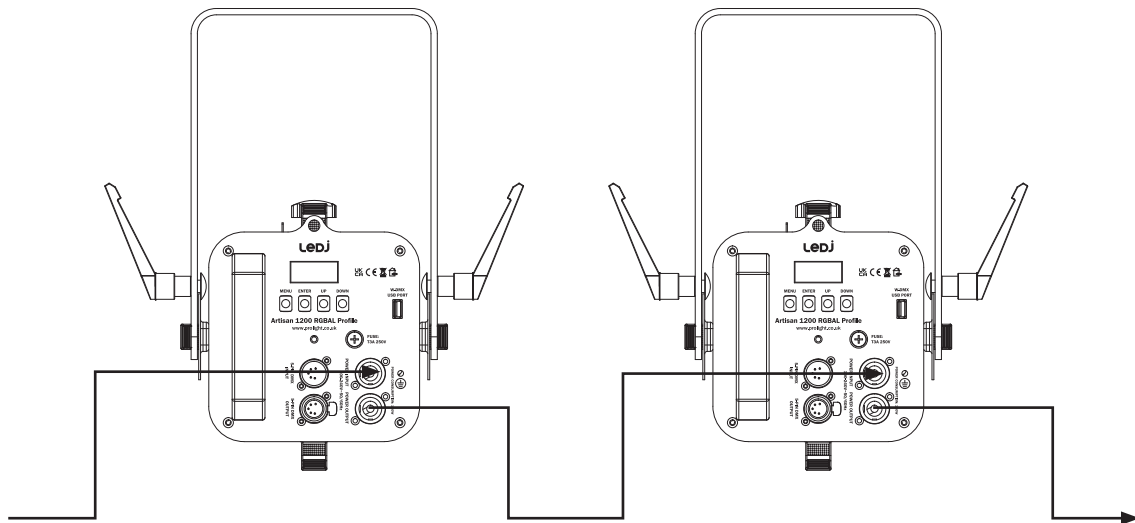
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 10 fixtures @ 240V or 5 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 Artisan 1200 RGBAL Profile 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.

