

LEDJ

Intense RGBMCL-UV PRO LED Slim Par

User Manual



Order code: LEDJ656

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 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.
- Never touch the fixture during operation as it may be hot.
- 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.

Please note: These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

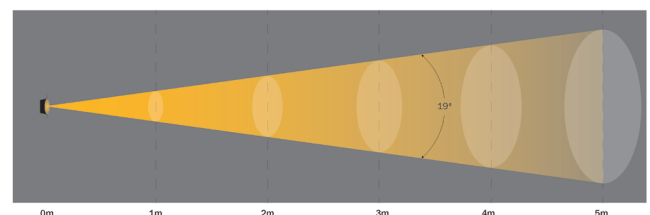
Intense RGBMCL-UV PRO LED Slim Par

Powered by 9 x 10W LEDs the LEDJ Intense RGBMCL-UV PRO LED Slim Par fixture offers an ultra-wide colour palette thanks to its seven colour LED chips. This super bright, robust, slimline par is suitable for a wide range of applications from uplighting medium venues to lighting stages for live performances. The convection cooled chassis ensures silent running and features mounting points for the optional barn door/gel frame kit (LEDJ253A). The LED display with 4 button menu facilitates control over colour mixing, colour fades, chases and DMX, whilst the quick release omega clamp, PowerTwist TR1 and 5-Pin DMX inputs and outputs to allow for a problem-free, rental-ready connection.

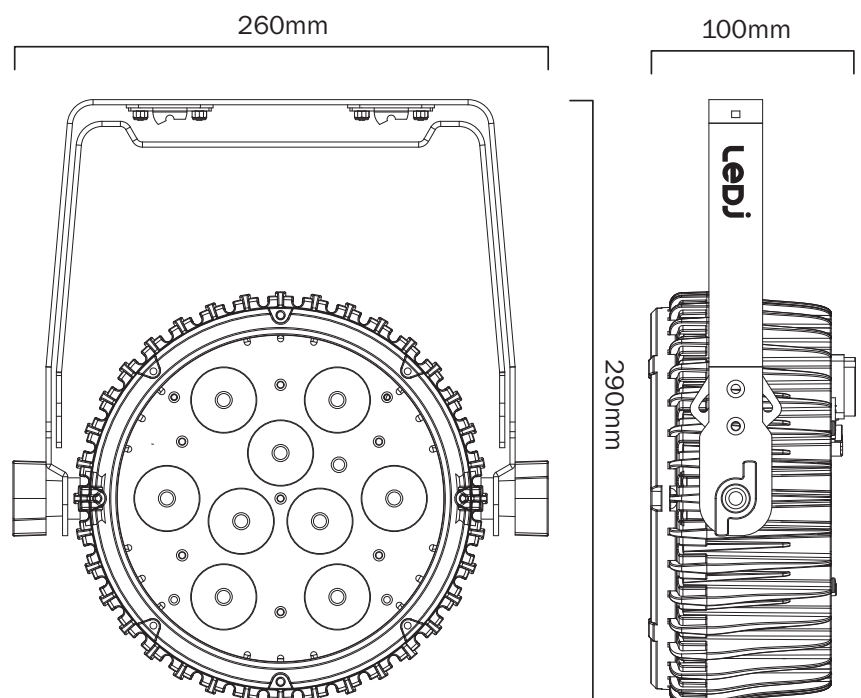
- 9 x 10W seven-colour LEDs (RGBMCL-UV)
- Beam angle: 19° (field angle: 42°)
- 4022 Lux @ 2m (full on)
- Refresh rate: 4kHz
- DMX channels: 7/9 or 15 selectable
- Static colour, colour change, colour fade, auto, sound active and master/slave modes
- 0 - 100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Supplied with quick release omega clamp
- 4 button menu with LED display
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- Convection cooled
- Optional barn door/gel frame kit (LEDJ253A)

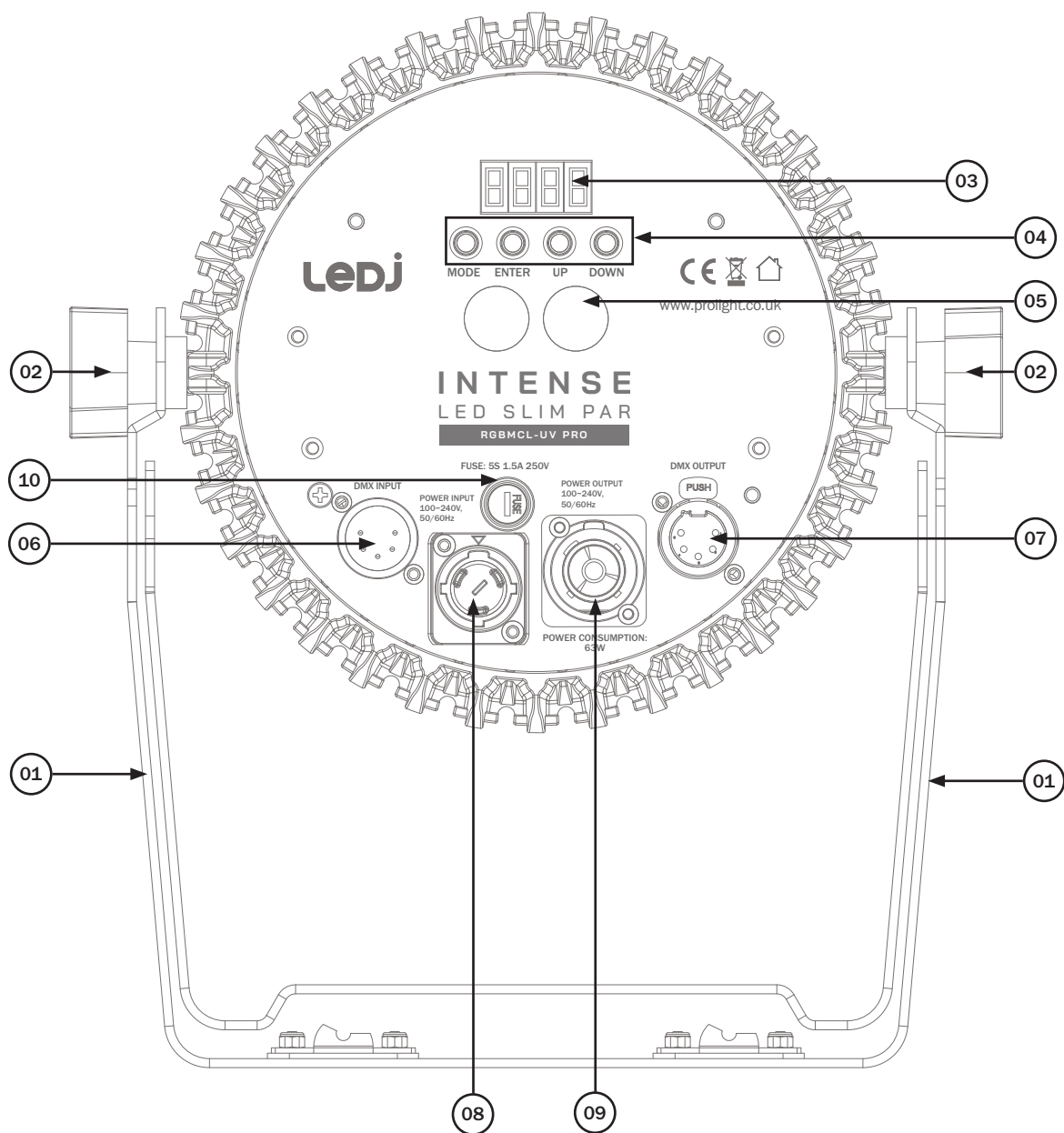


19° LUX	1416	354	157	86.5	57
19° LUX	2566	639	364	160	102
19° LUX	520	130	58	32.5	21
19° LUX	4920	1230	547	307.5	197
19° LUX	2292	573	255	143	92
19° LUX	4676	1169	520	292	187
19° LUX	16088	4022	1788	1005.5	644



Specifications	Intense RGBMCL-UV
Power consumption	62W
Power supply	100~240V, 50/60Hz
Fuse	5S 1.5A 250V
Dimensions	290 x 260 x 100mm
Weight	2.8kg
Order code	LEDJ656





01 - Bracket
02 - Bracket tightening knobs
03 - LED display
04 - Function buttons

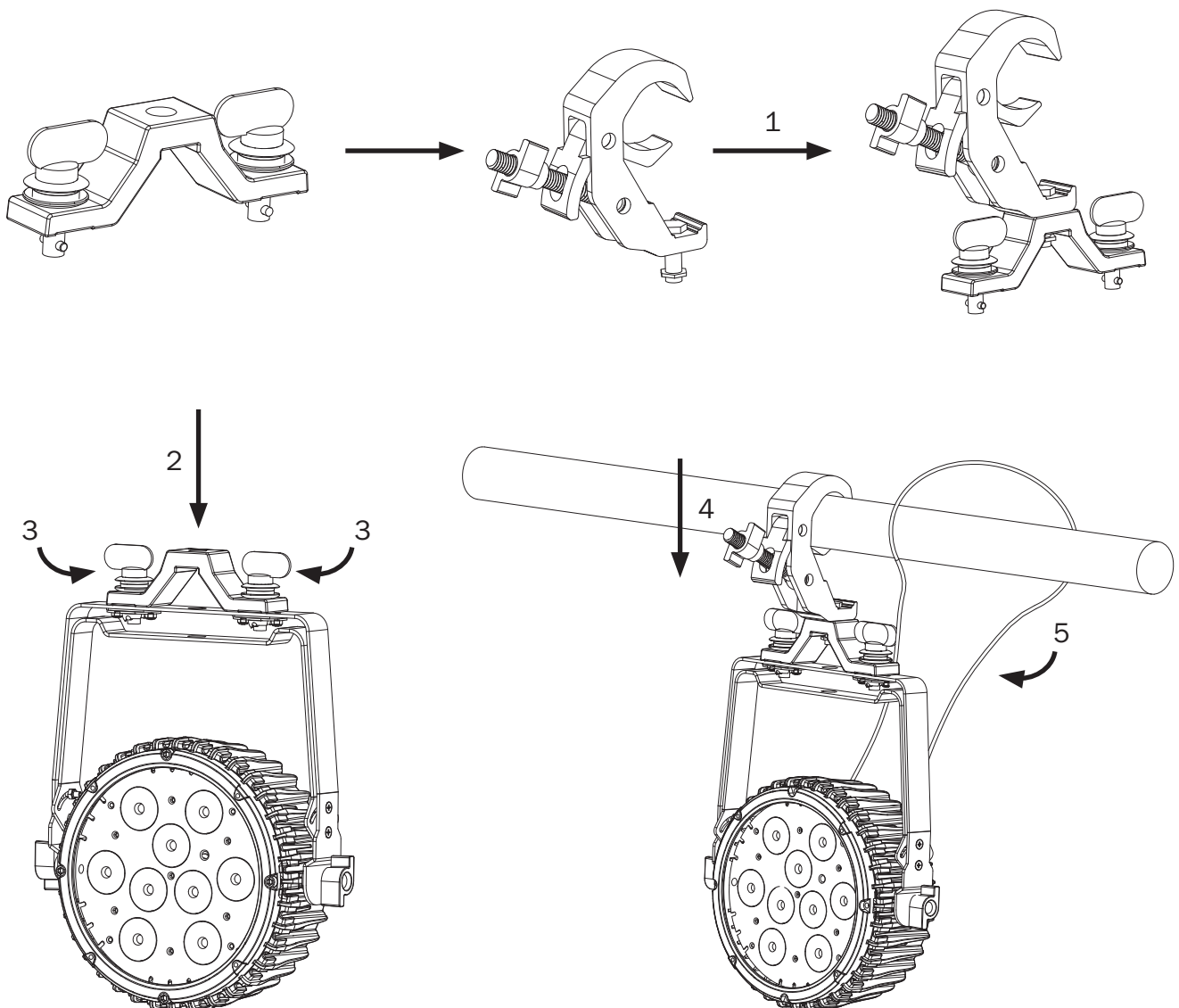
05 - Safety bond point
06 - 5-pin DMX input
07 - 5-pin DMX output
08 - PowerTwist TR1 input

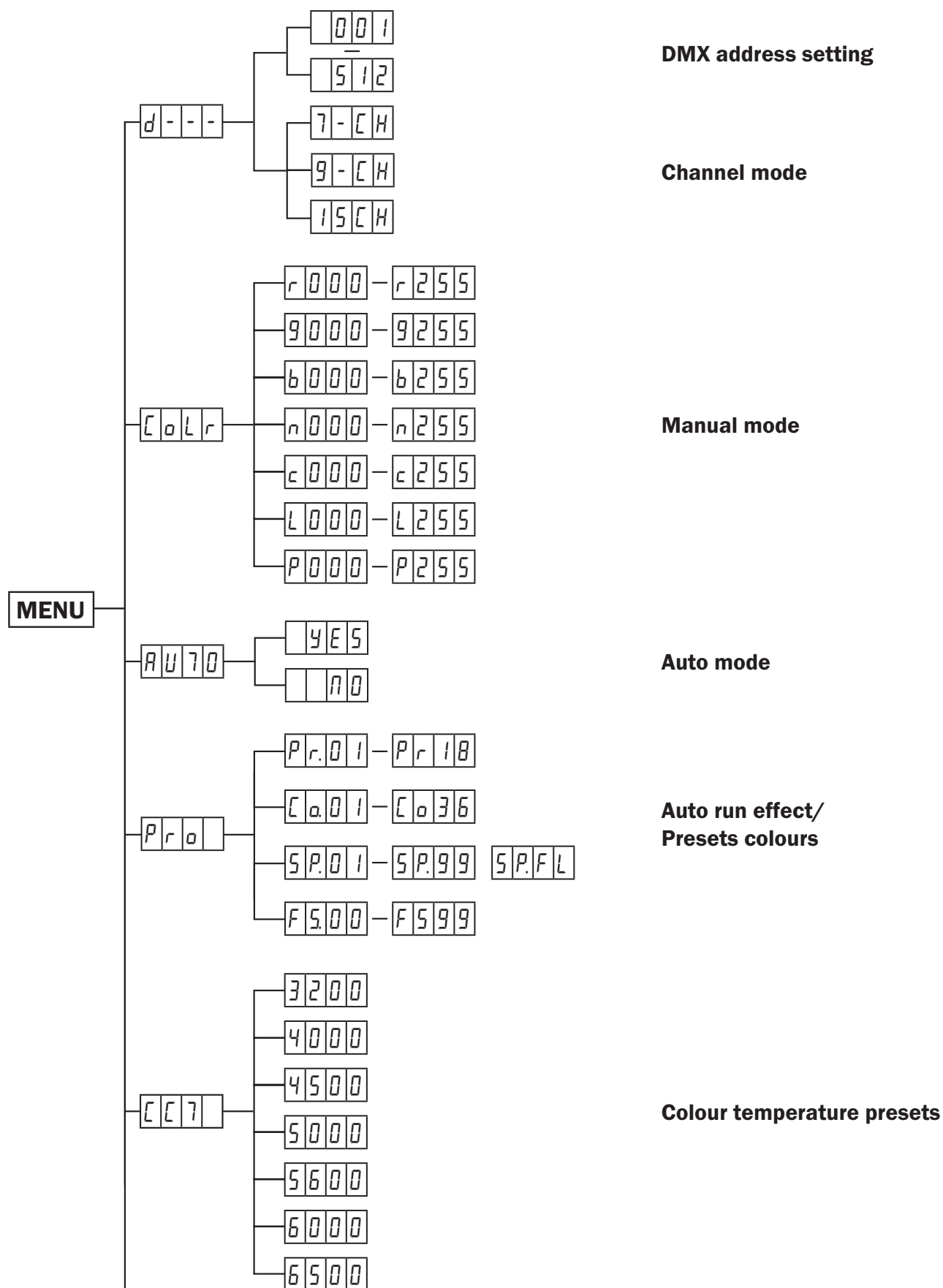
09 - PowerTwist TR1 output
10 - Fuse T5A 250V

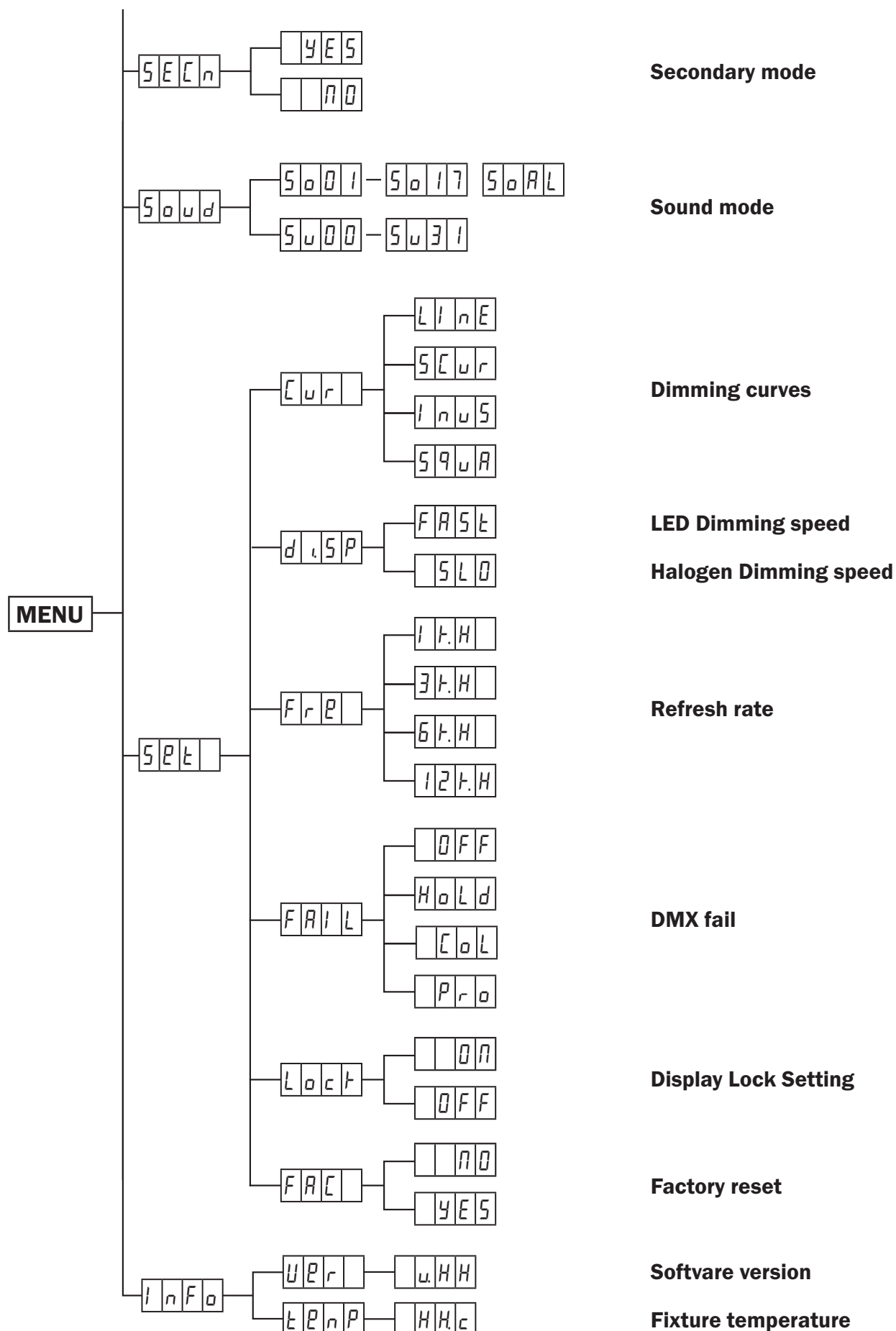
In the box: **1 x fixture,**
1 x Omega clamp
& 1 x power cable

Installation:

1. Fasten each clamp to the omega clamp with a bolt and lock nut through the hole in the omega clamp.
2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bottom of the unit.
3. Tighten both locking fasteners clockwise on the omega clamp ensuring it's fully secure.
4. Mount the fixture onto your truss system via the clamp and tighten to ensure that it's secure.
5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.







DMX channel 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 channel mode, press the **“MODE”** button on the rear of the unit to show *000 1* on the LED display. Now use the **“UP”** and **“DOWN”** buttons to set the desired DMX address. Now press the **“ENTER”** button to choose one of the 7/9 or 15 DMX channel modes, press the **“ENTER”** button to confirm the setting.

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

DMX channel modes:

Channel			Value	Function
7CH	9CH	15CH		
-	1	1	000-255	Master dimmer (0-100%)
-	2	2	000-010	No function
			011-127	Linear Strobe (slow-fast)
			128-255	Random Strobe (slow-fast)
-	-	3	000-010	No function
			011-045	3200K
			046-080	4000K
			081-115	4500K
			116-150	5000K
			151-185	5600K
			186-220	6000K
			221-255	6500K
-	-	4	000-005	No function
			006-012	Colour 1 (R255 G000 B000 M000 C000 L000 U000)
			013-019	Colour 2 (R255 G000 B000 M100 C000 L000 U000)
			020-026	Colour 3 (R255 G000 B000 M200 C000 L000 U000)
			027-033	Colour 4 (R255 G050 B000 M000 C000 L000 U000)
			034-040	Colour 5 (R255 G150 B000 M000 C000 L000 U000)
			041-047	Colour 6 (R255 G255 B000 M000 C000 L000 U000)
			048-054	Color7(R255 G255 B000 M075 C000 L000 U000)
			055-061	Colour 8 (R000 G255 B000 M255 C000 L000 U000)
			062-068	Colour 9 (R000 G255 B000 M150 C000 L000 U000)
			069-075	Colour 10 (R000 G255 B000 M050 C000 L000 U000)
			076-082	Colour 11 (R000 G255 B000 M000 C000 L000 U000)
			083-089	Colour 12 (R000 G255 B050 M000 C000 L000 U000)
			090-096	Colour 13 (R000 G255 B150 M000 C000 L000 U000)
			097-103	Colour 14 (R000 G255 B255 M000 C000 L000 U000)
			104-110	Colour 15 (R000 G255 B255 M075 C000 L000 U000)
			111-117	Colour 16 (R000 G255 B255 M150 C000 L000 U000)

DMX channel modes:

Channel			Value	Function
7CH	9CH	15CH		
-	-	4	118-124	Colour 17 (R000 G100 B255 M255 C000 L000 U000)
			125-131	Colour 18 (R000 G000 B255 M100 C000 L000 U000)
			132-138	Colour 19 (R000 G000 B255 M050 C000 L000 U000)
			139-145	Colour 20 (R000 G000 B255 M000 C000 L000 U000)
			146-152	Colour 21 (R075 G000 B255 M000 C000 L000 U000)
			153-159	Colour 22 (R160 G000 B255 M000 C000 L000 U000)
			160-166	Colour 23 (R255 G000 B255 M000 C000 L000 U000)
			167-173	Colour 24 (R255 G000 B175 M000 C000 L000 U000)
			174-180	Colour 25 (R255 G000 B100 M000 C000 L000 U000)
			181-187	Colour 26 (R255 G000 B100 M050 C000 L000 U000)
			188-194	Colour 27 (R255 G000 B025 M050 C000 L000 U000)
			195-201	Colour 28 (R255 G000 B025 M025 C000 L000 U000)
			202-208	Colour 29 (R255 G000 B025 M000 C000 L000 U000)
			209-215	Colour 30 (R000 G000 B000 M255 C000 L000 U000)
			216-222	Colour 31 (R075 G075 B000 M255 C000 L000 U000)
			223-229	Colour 32 (R000 G000 B100 M255 C000 L000 U000)
			230-236	Colour 33 (R000 G000 B000 M000 C255 L000 U000)
			237-243	Colour 34 (R000 G000 B000 M000 C000 L255 U000)
			244-250	Colour 35 (R000 G000 B000 M000 C000 L000 U255)
			251-255	Colour 36 (R255 G255 B255 M255 C255 L255 U255)
-	-	5	000-015	No function
			016-029	Jump 1
			030-043	Jump 2
			044-057	Jump 3
			058-071	Jump 4
			072-085	Jump 5
			086-099	Jump 6
			100-113	Jump 7
			114-127	Jump 8
			128-141	Jump 9
			142-155	Jump 10
			156-169	Fade 1
			170-183	Fade 2
			184-197	Fade 3
			198-211	Fade 4
			212-225	Fade 5
			226-239	Fade 6
			240-255	Fade 7
-	-	6	000-255	Colour change (speed slow-fast)
			000-255	Sound sensitivity (0-100%)

DMX channel modes:

Channel			Value	Function
7CH	9CH	15CH		
-	-	7	000-015	No function
			016-028	Sound Mode: 1
			029-041	Sound Mode: 2
			042-054	Sound Mode: 3
			055-067	Sound Mode: 4
			068-080	Sound Mode: 5
			081-093	Sound Mode: 6
			094-106	Sound Mode: 7
			107-119	Sound Mode: 8
			120-132	Sound Mode: 9
			133-145	Sound Mode: 10
			146-158	Sound Mode: 11
			159-171	Sound Mode: 12
			172-184	Sound Mode: 13
			185-197	Sound Mode: 14
			198-210	Sound Mode: 15
			211-223	Sound Mode: 16
			224-236	Sound Mode: 17
			237-255	Sound Mode: ALL
1	3	8	000-255	Red (0-100%)
2	4	9	000-255	Green (0-100%)
3	5	10	000-255	Blue (0-100%)
4	6	11	000-255	Mint (0-100%)
5	7	12	000-255	Cyan (0-100%)
6	8	13	000-255	Lime (0-100%)
7	9	14	000-255	UV (0-100%)
-	-	15	000-015	No function
			016-038	Dimmer Speed Fast
			039-061	Dimmer Speed Slow
			062-084	Line
			085-107	Square
			108-130	Inverse Square
			131-153	S-Curve
			154-176	1KHz
			177-199	3KHz
			200-222	6KHz
			223-255	12KHz

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 manufacturers 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 a standard 5-pin XLR connector for data input/output, see images below. Using audio XLR cables for DMX lighting is discouraged because it causes signal degradation, leading to flickering, erratic, or non-responsive lights. Audio cables have different impedance (<75 Ω) and higher capacitance, which cannot accurately transmit high-speed digital DMX data (110-120 Ω). While it may work for short, simple setups, it is unreliable for professional, long-distance, or complex lighting rigs. Ensure you use DMX XLR cables.



Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

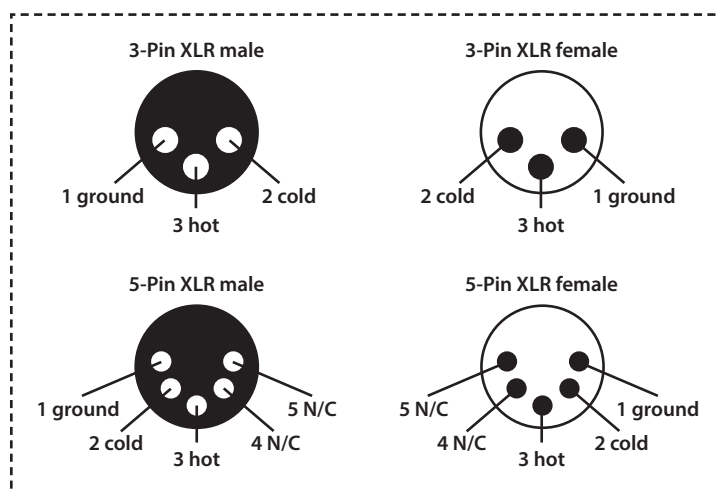
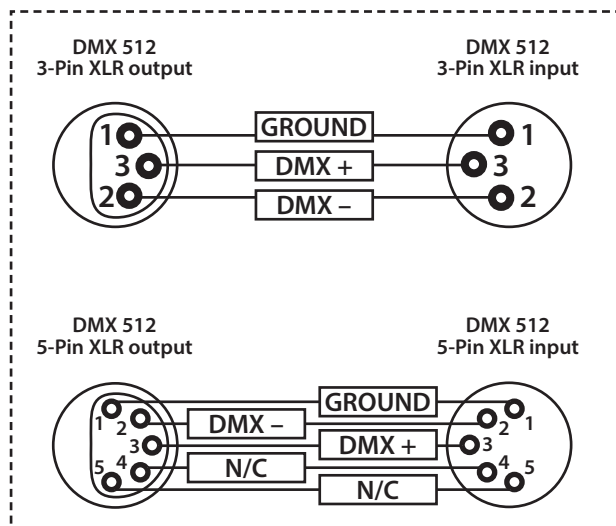
Please quote: 5-Pin: **CABL185 – 2m** **CABL187 – 5m** **CABL188 – 10m**

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



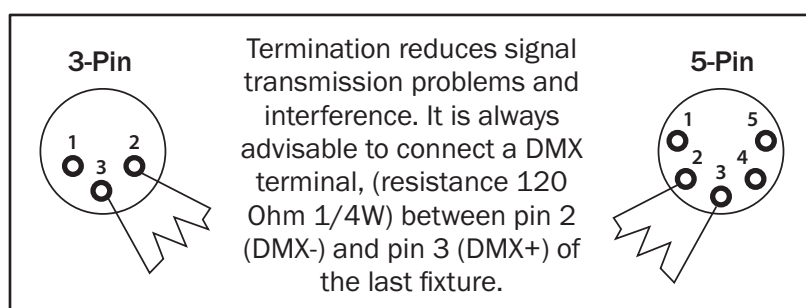
Line termination:

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.

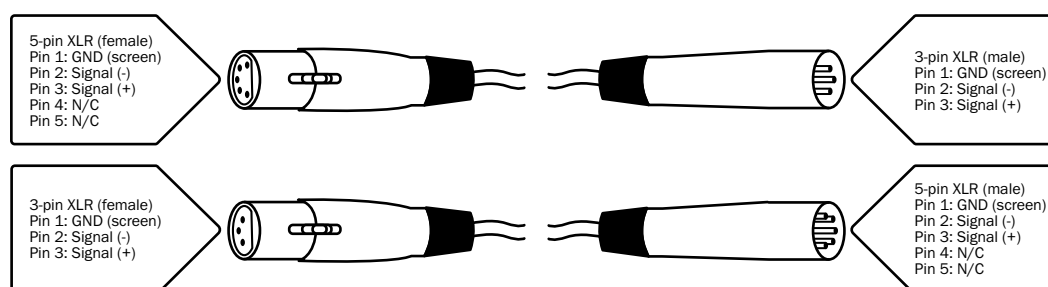
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

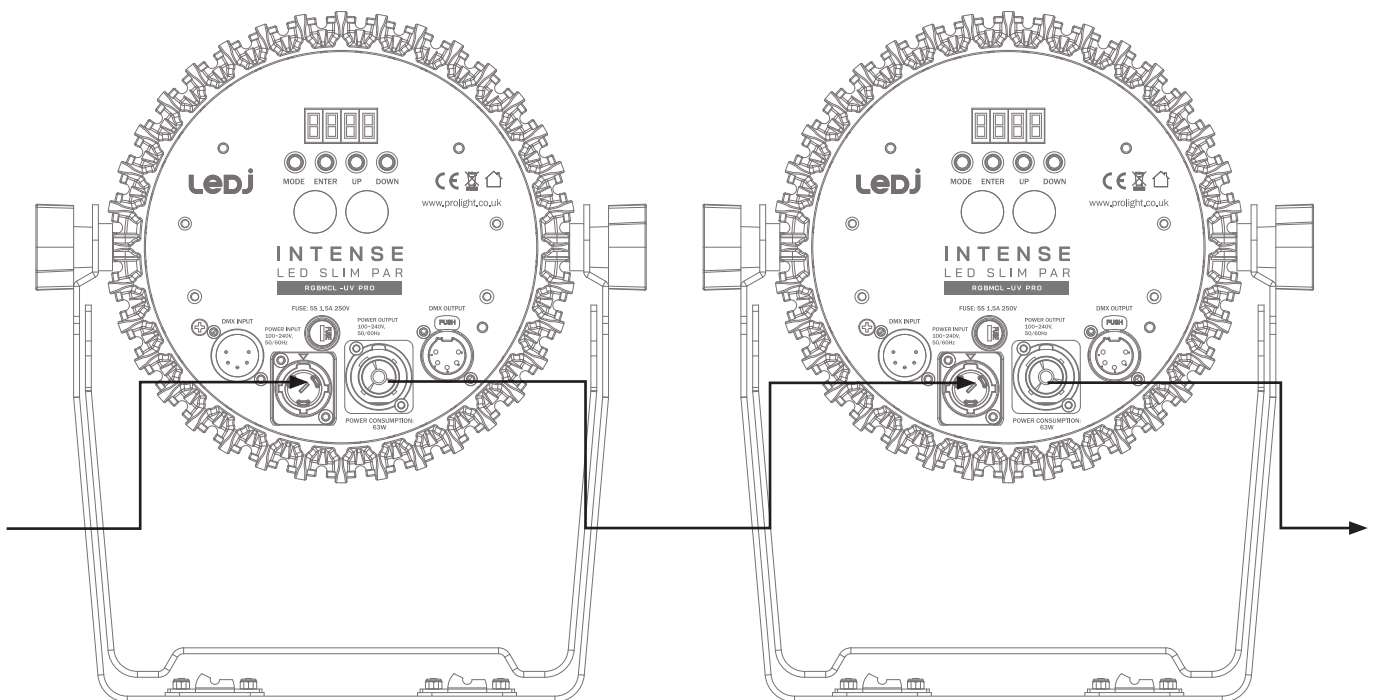
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 15 fixtures @ 240V or 7 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 Intense RGBMCL-UV PRO LED Slim Par 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.

This notice does not imply a requirement for the product to be returned to the manufacturer or supplier, disposal should be carried out via appropriate authorised recycling facilities in accordance with local regulations.

