UV Spectra Batten

12 x 5W UV LEDs

User Manual

Order code: LEDJ98

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.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

CAUTION!
TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

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 voltage is between 110~240V, 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.
- Warning! Risk Group 2 LED product according to EN 62471. Keep a distance of at least 11feet (3.3m) to avoid direct eye and skin exposure. Do not operate the fixture if the external cover protective lens is damaged or missing. Avoid direct viewing of the UV light and refrain from using optical instruments or any device that may concentrate the light/radiation output. We advise users to take necessary precautions to minimise direct exposure to UV radiation and individuals suffering from a range of eye conditions, sunlight exposure disorders, or individuals using photosensitive medication, may receive discomfort if exposed to the ultraviolet (UV) light emitted from this fixture.
- 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.

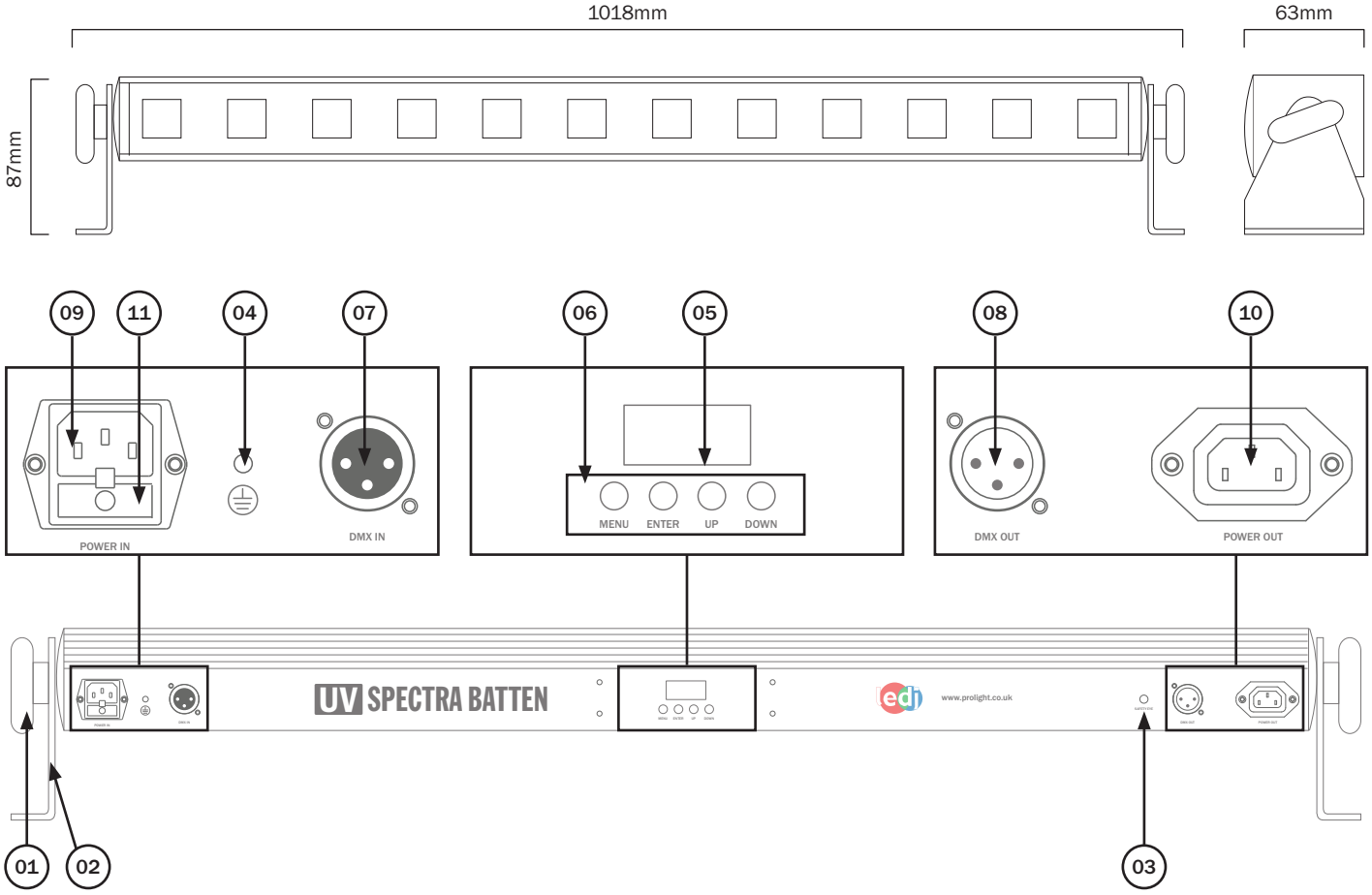
Please note: These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

UV Spectra Batten

Housing 12 x 5W UV LEDs this 1m UV Spectra Batten has been designed to fill venues with an outstanding UV glow and is easy to transport and install. The high output LEDs are ideal for washing stages, nightclubs, bowling centres and skating rinks. They are also convection cooled for silent operation and feature a 65° beam angle.

- 12 x 5W UV LEDs
- Beam angle: 65° (field angle: 100°)
- Ultra violet wavelength: 395nm
- DMX channels: 1 or 2 selectable
- Sound active and master/slave modes
- 0 - 100% dimming
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- 4 button menu with LCD display
- IEC power input/output
- 3-Pin XLR input/output
- Convection cooled
- Supplied with IR remote (LEDJ90E)

Specifications	UV Spectra Batten
Power consumption	70W
Power supply	110~240V, 50/60Hz
Fuse	F1A 250V
Dimensions	87 x 1018 x 63mm
Weight	2.2kg
Order code	LEDJ98



01 - Bracket tightening knobs
02 - Bracket
03 - Safety eye
04 - Earth point
05 - LED display
06 - Function buttons
07 - DMX input socket
08 - DMX output socket
09 - IEC power in socket
10 - IEC power out socket
11 - Fuse F1A 250V

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

DMX channel mode:

To access the DMX channel mode, press the "**MODE**" button on the rear of the unit to show A001 on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the desired DMX address. Now press the "**ENTER**" button to choose one of the 1 or 2 DMX channel modes using the "**UP**" and "**DOWN**" buttons, and press the "**ENTER**" use the "**UP**" and "**DOWN**" buttons to set what the unit should do if it loses DMX signal.

bLC - The unit will blackout if DMX signal is lost.

Soun - The unit will go into sound active mode if DMX signal is lost.

HoLd - The unit will hold the last DMX command if DMX signal is lost.

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

1 channel mode:

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

2 channel mode:

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Flash speed (slow to fast)

Static mode:

To access static mode press "**ENTER**" until the display shows C-00 on the LED display.
To adjust the brightness use the "**UP**" and "**DOWN**" buttons to select between C-00 ~ C-99.
Press the "**ENTER**" button to confirm the setting. Now use the "**UP**" and "**DOWN**" buttons to adjust the flash speed by selecting between F-00 ~ F-99. Press the "**ENTER**" button to confirm the setting.
To exit out of any of the above options, press the "**MODE**" button.

Slave mode:

Press the "**MODE**" button on the rear of the unit to show SLAU on the LED display and press the "**ENTER**" button to confirm the setting. The unit will now run in sequence with the master unit.

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

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

Sound active mode:

To access the sound active mode, press the "**MODE**" button on the rear of the unit to show SU00 on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the sound sensitivity level from SU.00 ~ SU.99 and press the "**ENTER**" button to confirm the setting.

Value: 00 - 99 (00 = low, 99 = high)

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

Menu system

Static mode	C-00~C-99 Brightness (0-100%) F-00~F-99 Flash speed (slow-fast)
Slave mode	SLAU
Sound active mode	SU00~SU99

DMX mode	1CH, 2CH
Address setting	A001~A512
IR function	IrOn - IR On IrOF - IR Off

Included IR remote functions:

Button functions:

01 - Blackout

02 - To set the brightness of the LED either select 20%, 50% or 100% or alternatively you can use the '+' and '-' buttons

03 - Flash off

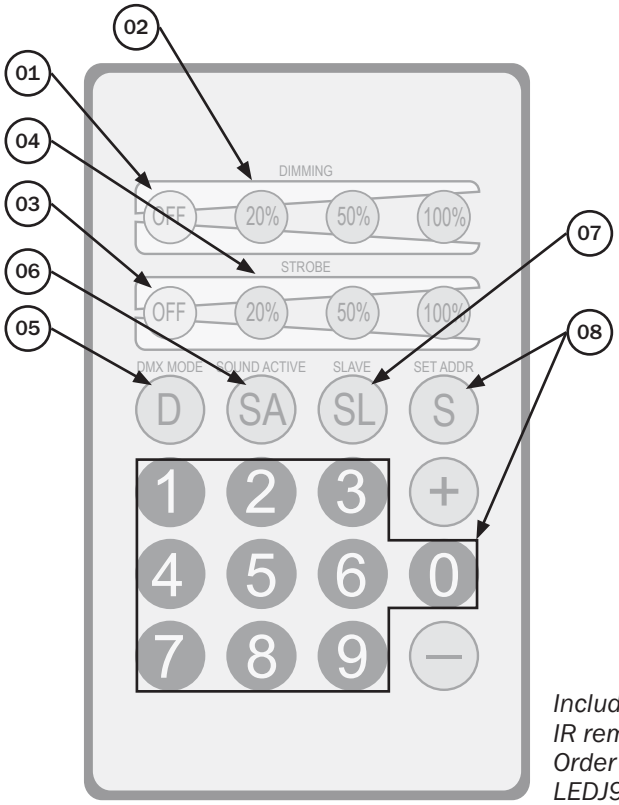
04 - To set the flash speed of the LED either select 20%, 50% or 100% or alternatively you can use the '+' and '-' buttons

05 - Sets the LED fixture into DMX mode

06 - Sets the LED fixture into sound active mode

07 - Sets the LED fixture into slave mode

08 - Sets the DMX address for the LED fixture



Included IR remote Order code: LEDJ90E

DMX address examples:

To set the DMX address;

- Press the "S" button, the LED fixture will illuminate in full, you can now start to set the DMX address
- Select the required 3 digit DMX address (eg 001 or 136 or 275) the unit will then flash to confirm the address has been set
- Now press the "DMX MODE" button to save the new address into the memory

Important notes:

- Set the DMX address on each fixture before plugging into the DMX controller
- The IR remote cannot be used when the fixture(s) are being controlled with a DMX controller
- The maximum IR transmitter distance is 10m - Please make sure that you have the IR remote aimed directly at the front panel of each fixture to be programmed
- If you do not press the "DMX MODE" button after you have changed the DMX address when you power down the fixture it will lose the address you have set

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 form 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.

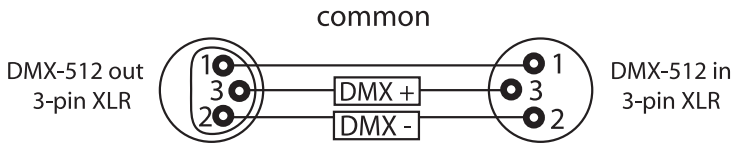
Please quote:

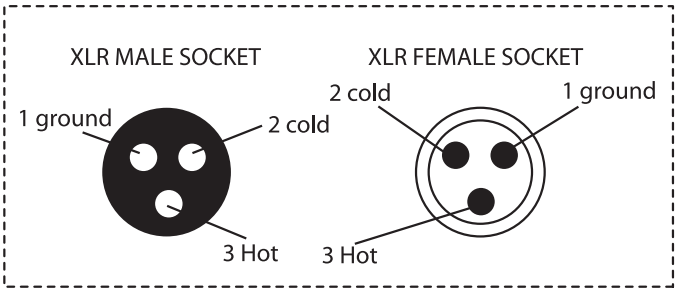
CABL10 – 2m
CABL11 – 5m
CABL12 – 10m

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.





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

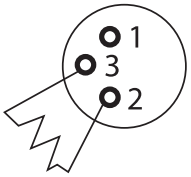
Special note:

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.

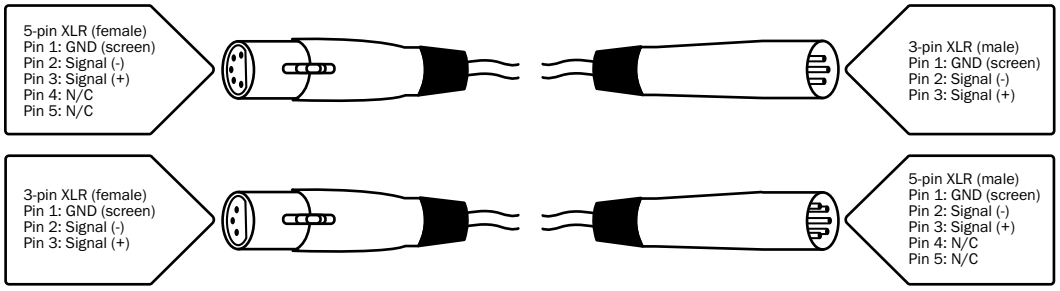
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



Termination reduces signal transmission problems and interferance. 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 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.