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U.V. SPECTRA BATTEN

(ORDER CODE: LEDJ74)

RGB SPECTRA BATTEN

(ORDER CODE: LEDJ95)

WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

**CAUTION!**

**Keep this equipment away from rain,
moisture and liquids.**

**SAFETY INSTRUCTIONS**

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



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



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, 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 equipment.
- Do not open the equipment and do not modify the equipment.
- 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.
- 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 220v/240v.
- 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. 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 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, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight 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.**
- **WARRANTY;** One year from date of purchase.

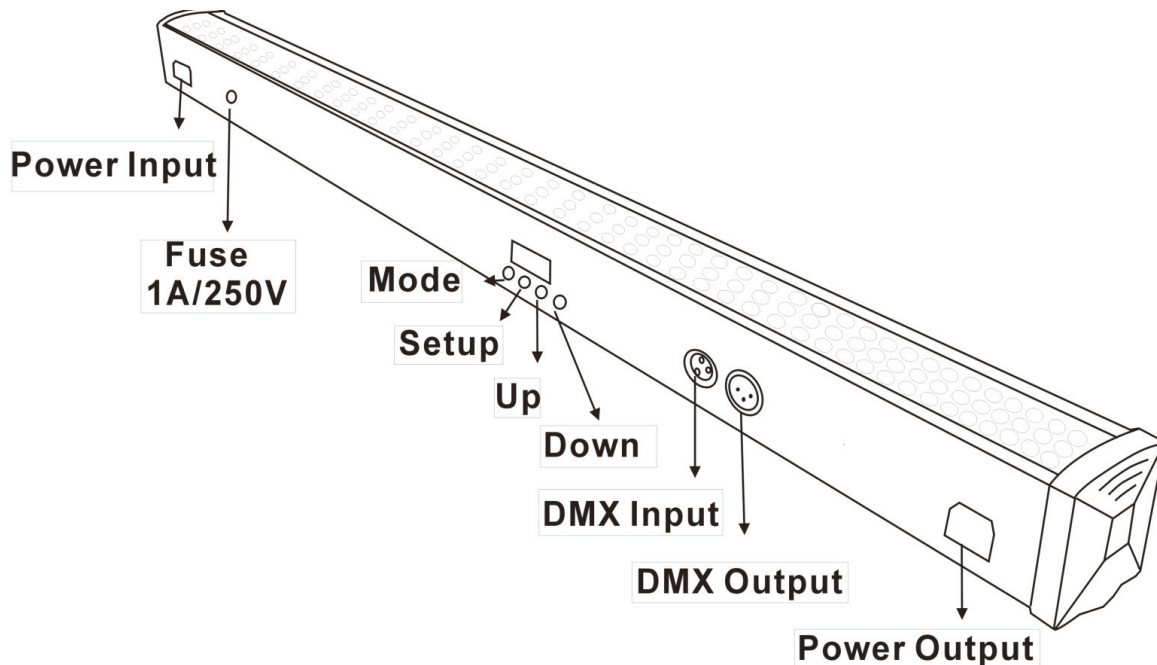
OPERATING DETERMINATIONS

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, electric shocks, lamp failure etc.

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

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

Over view:**Operation:**

After the power is switched on, Press the **“MODE”** button to activate the main menu:
Built-in programmes mode, Auto run mode, DMX mode, Slave mode or Sound active mode.

“SETUP” button is to change the parameter of the current mode.

“UP” button is to increase the value of the current setting.

“DOWN” button is to decrease the value of the current setting.

Built-in programmes: Runs one of the 13 built-in programmes.

Auto run: Runs the built-in programmes in a continuous loop.

DMX mode: The unit can be controlled by any universal DMX controller.

Slave mode: The batten in this mode will be synchronously run with a batten set to master mode.

Sound activated mode: Runs sound activated using the built-in microphone

Built-in programmes mode:

With the LEDJ indoor Spectra Batten, you can select 13 different Programmes. Press the **“SETUP”** and **“UP”** and **“DOWN”** buttons to select the programmes (from PG00 to PG12) and select the desired programme value. When the LCD display shows **PG-** (except PG00), press the **“SETUP”** button for the first time, and it will show **SP.99**, you can now select the running speed by using the **“UP”** and **“DOWN”** buttons; then press the **“SETUP”** button for the second time, and it will show **FS.00**, you can now select your desired flash frequency by using the **“UP”** and **“DOWN”** buttons. But when in **PG.00**, press the **“SETUP”** button for the first time, it will show **C.-.!**,

Built-in programmes mode: (cont)

you can select the static color by using the “UP” and “DOWN” buttons. Press “SETUP” For a second time, and it will show **FS.00**, you can then set the flash frequency by using the “UP” and “DOWN” buttons, there is no speed function in this mode.

When it is set in PG05, press the “SETUP” button first, and it will show **C.-1**, then you can select the moving colour by using the “UP” and “DOWN” buttons.

When it is set in PG06, press the “SETUP” button for the first time, and it will show **C.-1**, then you can select the background colour, then for the second time, it will show **C2.-1**, you can now select the moving colour by using the “UP” and “DOWN” buttons.

For example,

When the LCD display shows **PG.01**, press the “SETUP” button for the first time, and it will show **SP.99**, you can now set the running speed for this programme. Then press the “SETUP” button for a second time, and it will show **FS.00**, you can now select the flash frequency for it..

SP: Speed 00-99 (00 = slow, 99 = fast)

FS: Flash frequency from 00-99 (00 = slow, 99 = fast)

Auto run mode:

To access the Auto run mode, Press the “MODE” button until the LCD display shows **AUTO.**, it will now run through the built-in programmes automatically.

DMX mode:

To control the Spectra Batten individually via your DMX controller, press the “MODE” button until **Addr-** is shown on the LCD display, it is now in DMX mode. Now press the “SETUP” button so the LCD display shows **0.00**, this now means that the DMX address is set at 001. You can select your DMX address by using the “UP” and “DOWN” buttons. If you press the “SETUP” button the LCD display will show: **03.CH.**, **09C.H.** or **P3C.H.**, this selects which DMX mode the Spectra Batten is being run in. You can select any of these 3 DMX modes by using the “UP” and “DOWN” buttons.

Built-in programmes (U.V. Spectra Batten)

With the LEDJ indoor U.V. Spectra Batten, you can select 13 different Programmes. Press the “SETUP” and “UP” and “DOWN” buttons to select the programmes (from PG00 to PG12) and select the desired programme value. When the LCD display shows **PG-** (except PG00), press the “SETUP” button for the first time, and it will show **SP.99**, you can now select the running speed by using the “UP” and “DOWN” buttons; then press the “SETUP” button for the second time, and it will show **FS.00**, you can now select your desired flash frequency by using the “UP” and “DOWN” buttons.

If on the U.V. Spectra Batten, you only want to have it FULL ON with FLASH, please go to PG00 and then select **C.-1**, or refer to the 03CH DMX mode overleaf.

DMX Values

03CH

CH1 0 - 255	CH2 0 - 255	CH3 0 - 255
RED	GREEN	BLUE

09CH

CH1 0 - 255	CH2 0 - 255	CH3 0 - 255	CH4 0 - 255	CH5 0 - 255	CH6 0 - 255	CH7 0 - 255	CH8 0 - 255	CH9 0 - 255
RED 1	GREEN 1	BLUE 1	RED 2	GREEN 2	BLUE 2	RED 3	GREEN 3	BLUE 3

P3CH

CH1	CH2	CH2
0 - 17: PG00	0 - 255 select static colour	0 - 10: NO FLASH 11-255: FLASH
18 - 35: PG01		
36 - 53: PG02		
54 - 71: PG03		
72 - 89: PG04		
90 - 107: PG05		
108 - 125: PG06		
126 - 143: PG07		
144 - 161: PG08		
162 - 179: PG09		
180 - 197: PG10		
198 - 215: PG11		
216 - 233: PG12		
234 - 255 SOUND	0 - 255: SENSITIVITY	NOT USED

Slave Mode:

To activate the Slave Mode, press the “**MODE**” button to show **SLA-**, this will now run the Spectra batten in slave mode.

Sound Mode:

To activate the Sound Mode, press the “**MODE**” button to select **SO.31**, now the sound mode is activated it will run one step at a time, you can adjust the sensitivity by using the “**UP**” and “**DOWN**” buttons. (**Sensitivity: SO01 - SO31, 01 = low, 31 = high**)

Notice:

- Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

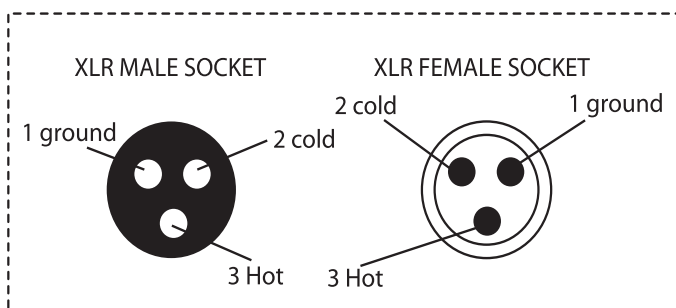
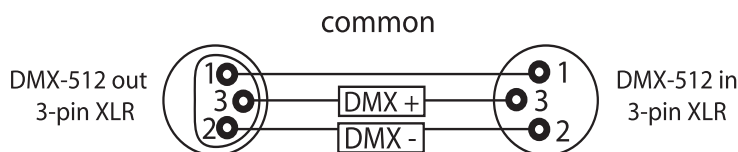


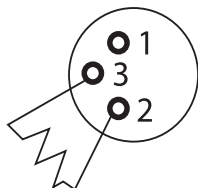
FIGURE 3

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

FIGURE 2

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.



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.

Using a cable terminator (part number CABL90) will decrease the possibilities of erratic behaviour.

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 Chart below details the correct cable conversion.

3- Pin XLR to 5-PIN XLR Conversion		
Conductor	3-Pin XLR out	5-Pin XLR in
Ground shield	Pin 1	Pin 1
Negative (-)	Pin 2	Pin 2
Positive (+)	Pin 3	Pin 3

Spectra Batten Specifications:

LEDS: 252 High intensity 10mm U.V. LEDs

LEDS: 252 High intensity 10mm LEDs (R:108, G:72, B: 72)

Beam angle: 40 degrees

3 pin female XLR socket and 3 pin male XLR socket

3 pin XLR Power in and power out

Linkable via 3-pin XLR cable

Built-in microphone

Black aluminium material

Working place: indoor, temperature: -20 °C~+ 45° C, humidity: 0%-90%.

LED display for easier operation.

Selectable built-in programmes mode, Auto run mode, DMX mode, Slave mode, and Sound-activated mode.

Selectable 03CH / 09CH / P3CH DMX channels

Power consumption: 50W

Power supply: 240V - 50Hz

Size: 1070 x 65 x 88mm

Weight: 2.5kgs