www.prolight.co.uk

(Order code: LEDJ68)

User Manual

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 fully charged 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. (for charging only)
- 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 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.

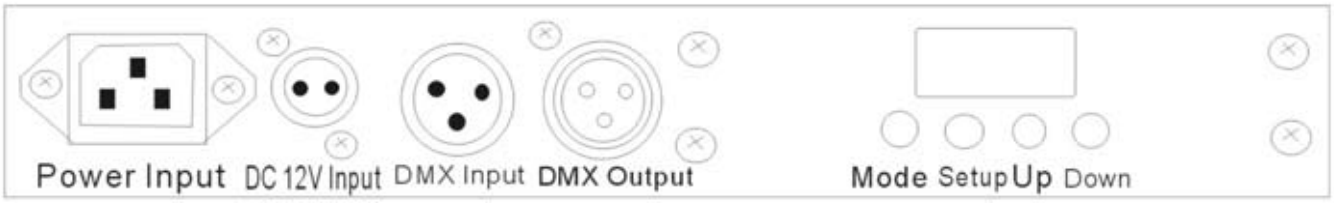
OPERATING DETERMINATIONS

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 unit is powered up, Press the **"MODE"** button to activate the main menu:
Built-in programmes, Auto run, DMX, Slave or Sound active mode.

"SETUP" button is to change 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 12 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 units in this mode can be synchronously run with a Event Panel set to master mode.
Sound activated mode: Runs via sound activation using the built-in microphone

<u>Built-in programmes mode:</u>

With the LEDJ Event Panel, you can select 12 different Programmes. Press the **"SETUP"** and **"UP"** and **"DOWN"** buttons to select the programmes (from PG01 to PG12) and select the desired programme value. When the LED display shows PG.01, press the **"SETUP"** button for the first time, and it will show C000 you can now select one of the 7 static colours 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. When in PG.11 and PG.12, press the **"SETUP"** button for a third and fourth time, and it will show C1.-1, or C2.-2 and now you can choose two colours for the programmes to work in, using the **"UP"** and **"DOWN"** buttons.

When in programmes PG.02 - PG.10 , 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 using the **"UP"** and **"DOWN"** buttons.

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 LED display shows AUTO., then press the **"SETUP"** button and it will show N.001, you can now select the programme running times by using the **"UP"** and **"DOWN"** buttons. Programme Running times **N.001 - N.100**

Note: The Programme running time indicates how many times the running programme is repeated before moving on to the next one.

DMX Mode

To control the Event Panel individually via your DMX controller, press the **"MODE"** button untill Addr is shown on the LED display, it is now in DMX mode. Now press the **"SETUP"** button so the LED display shows d.001, 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 LED display will show: 03.CH., 06C.H.,12.CH., 24.CH., or P4.CH. this selects which DMX mode the Event Panel is being run in. You can select any of these 5 DMX modes by using the **"UP"** and **"DOWN"** buttons.

DMX Values

03CH

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

06CH

CH1 0 - 255	CH2 0 - 255	CH3 0 - 255	CH4 0 - 255	CH5 0 - 255	CH6 0 - 255
RED 1	GREEN 1	BLUE 1	RED 2	GREEN 2	BLUE 2

12CH

CH1 0 - 255	CH2 0 - 255	CH3 0 - 255	CH4 0 - 255	CH5 0 - 255	CH6 0 - 255
RED 1	GREEN 1	BLUE 1	RED 2	GREEN 2	BLUE 2

CH7 0 - 255	CH8 0 - 255	CH9 0 - 255	CH10 0 - 255	CH11 0 - 255	CH12 0 - 255
RED 3	GREEN 3	BLUE 3	RED 4	GREEN 4	BLUE 4

DMX Values (cont..)

24CH

CH1 0 - 255	CH2 0 - 255	CH3 0 - 255	—	—	—	—	—	—	CH22 0 - 255	CH23 0 - 255	CH24 0 - 255
RED 1	GREEN 1	BLUE 1	—	—	—	—	—	—	RED 8	GREEN 8	BLUE 8

P4CH

CH1	CH2	CH3	CH4	Functions
0 - 18:	0 - 255: R	0 - 255: G	0 - 255: B	RGB Dimmer
19-37	0-255 Running Speed	0-255 Flash Speed	Not Used	PG01 - Static colour
38-56				PG02 - Colour dream
57-75				PG03 - Colour fade
76-94				PG04 - Colour change
95-113				PG05 - Colour jump
114-132				PG06 - Flow 1
133-151				PG07 - Flow 2
152-170				PG08 - Chase 1
171-189				PG09 - Chase 2
190-208				PG10 - Multi-colour
209-227			0-255 select colour	PG11 - Chase 3
228-246			0-255 select colour	PG12 - Chase 4
247-255	0-255 Sensitivity	Not used	Not used	Sound active

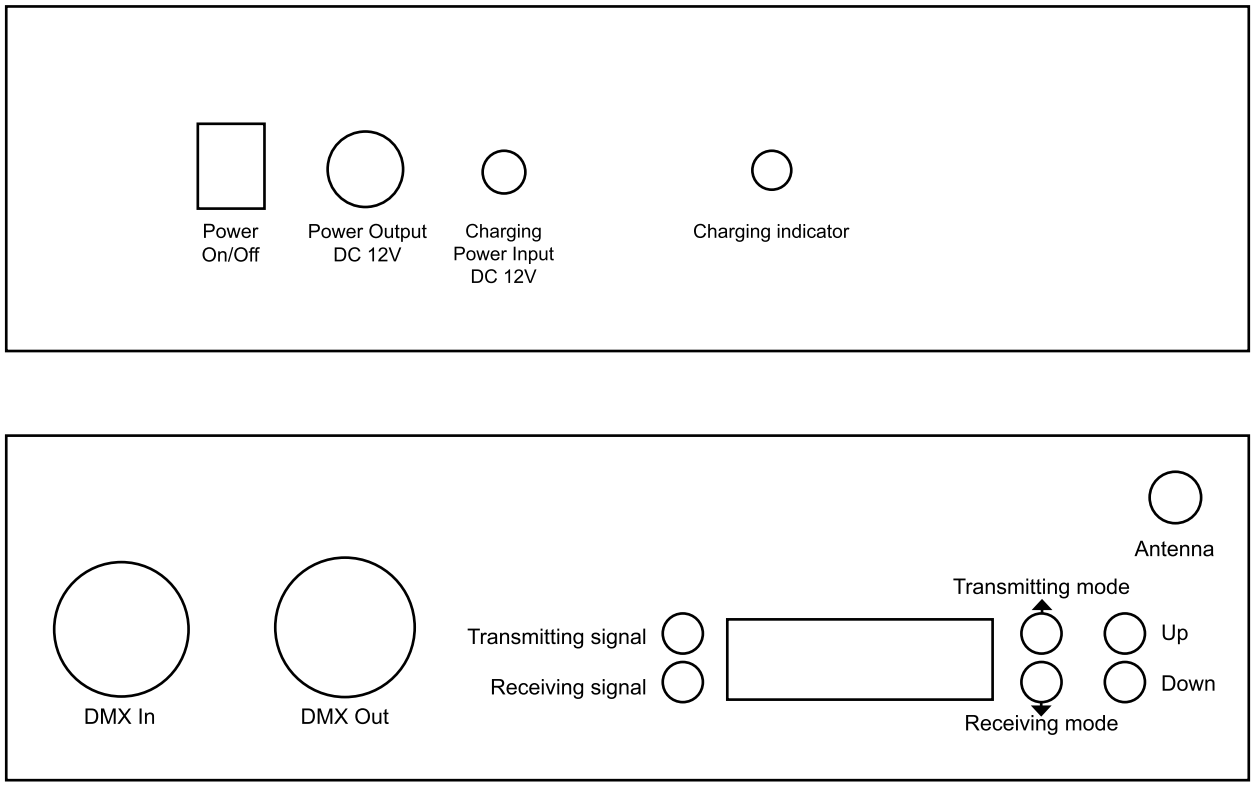
Slave Mode:

To activate the Slave Mode, press the **"MODE"** button to show SLA-, this will now run the Event Panel 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).** Press the **"SETUP"** button and it will show AA-1, this is sound mode 1 (running static colour 1 step, 1 time) use the **"UP"** and **"DOWN"** buttons to select sound mode 2 AA-2, (running dimming colours 1 step, 1 time)

Operation For Battery Pack



1, Press the Transmitting mode button for more than 3 seconds, until the transmitting signal light is **"ON"**, then it means this unit is transmitting. If you want this unit to be the receiver, then you can press the Receiving mode button for more than 3 seconds until the receiving signal light is **"ON"**.

2, The **UP** and **DOWN** buttons are for selecting different channel frequencies of the battery pack.
For example, if you have 10 transmitters and 10 receivers, you can press the **UP** and **DOWN** buttons to set their channel frequency accordingly. There are 125 to choose from.

3, When you are charging the battery pack the **"Charging LED"** will illuminate Red and once the battery pack is fully charged, the **"Charging signal light"** will turn Green and the LED Event Panel is now ready for use.

Note:

1, When using the battery to power the event panel, do not connect the 110V-240V power cable

2, When the battery is fully charged, it can supply a single colour on full output on the LED Event Panel for about eight hours.

3, Please make sure you connect all necessary cables before operation.

4, Please recharge it immediately after discharge.

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):
• The LEDJ Event Panel 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 (figure 1).

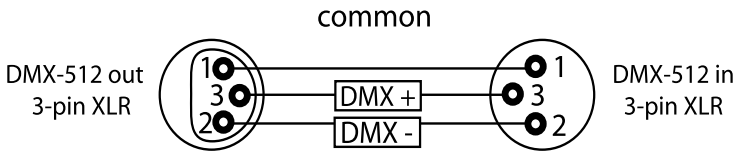
Figure 1

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



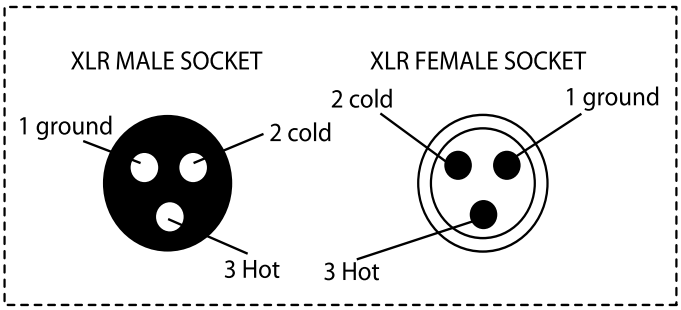


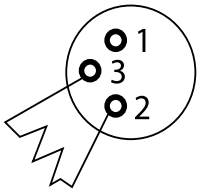
FIGURE 3

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.

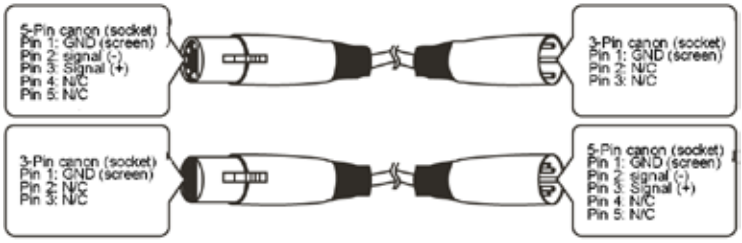


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

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



Features:

DMX Channels: ..... 3/4/6/12 or 24 selectable
Display: .....4 Push button LED display
Connections: .....3-Pin XLR In/Out for DMX
Operations: .....Built-in programmes, Auto run, Sound active, Slave and DMX
LEDs: .....288 Ultra Bright 10mm LEDs (R: 48, G: 120, B: 120)
Beam angle: .....40 degrees
Wireless DMX: .....On battery pack

Panel specifications:

Power consumption: 36W
Power supply: .....110V - 240V 50Hz/60Hz
Dimensions: .....420 x 265 x 65mm
Weight: 3.0Kgs

Battery pack specifications:

Power supply: 240V
Dimensions: .....325 x 240 x 120mm
Weight: 8.0Kgs

Notes: