EQUINOX

www.prolight.co.uk

POWER FLOWER

Order code: EQLED77

IMPACT FLOWER

Order code: EQLED79

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.
- 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 100V/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, LED 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.

You should find inside the carton the following items:

1, Fixture 2, Power cable 3, User manual

Technical Specifications:

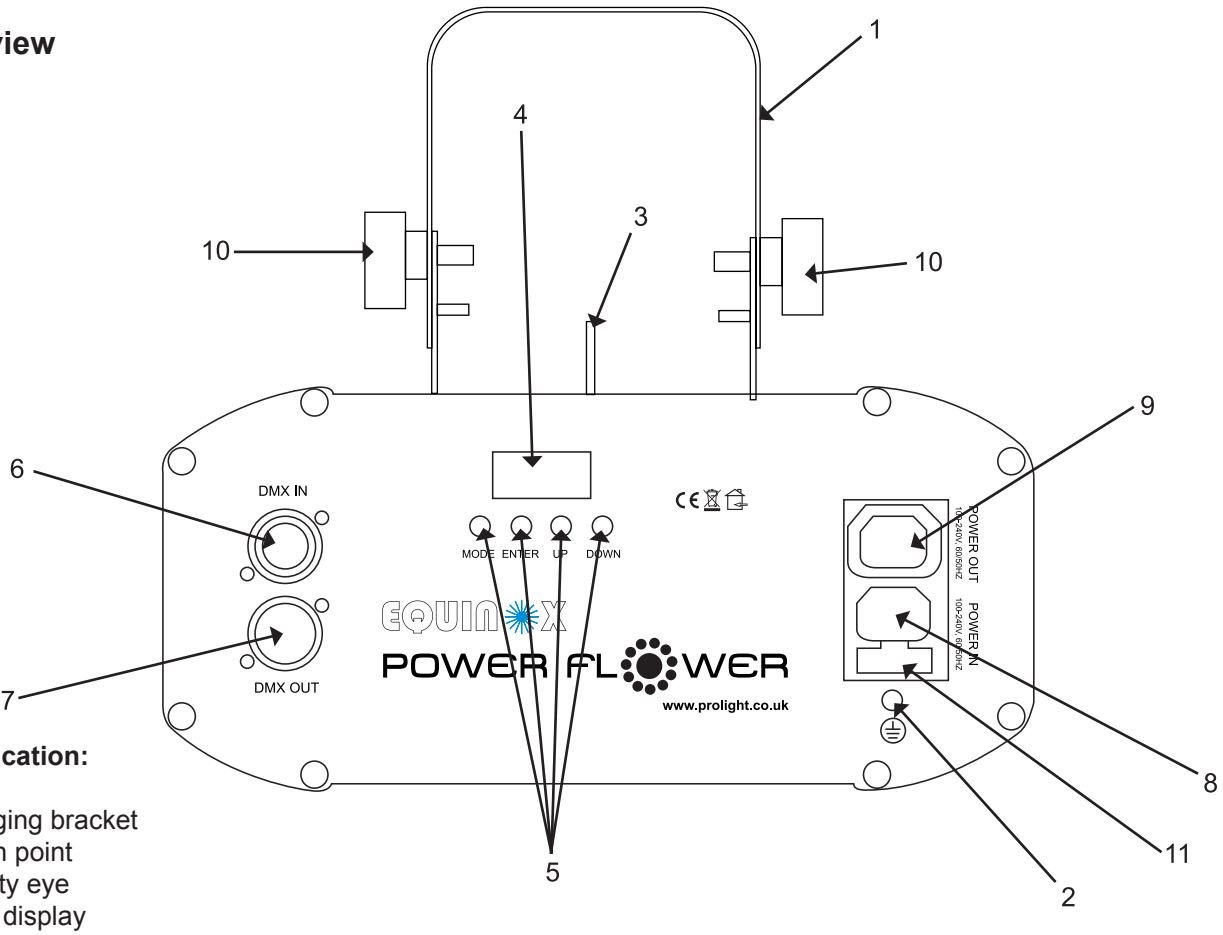
EQLED77 Power Flower

- DMX channels: 1, 3 or 5 selectable
- Sound activated, auto, DMX and master/slave
- 1 x 20W white COB LED
- Multicolour reflector dish and 11 gobos
- 4 Push button LED digital display
- 0-100% dimming and variable strobe via DMX
- IEC Power in/out sockets
- 3-pin XLR in/out sockets
- Power consumption: 45W
- Power supply: 100-240V, 50/60Hz
- Dimensions: 232 x 281 x 260mm (195mm with bracket folded)
- Weight: 4.3kg

EQLED79 Impact Flower

- DMX channels: 1, 3 or 5 selectable
- Sound activated, auto, DMX and master/slave
- 1 x 20W white COB LED
- 11 solid colour gobos with mirror dish
- 4 Push button LED digital display
- 0-100% dimming and variable strobe via DMX
- IEC Power in/out sockets
- 3-pin XLR in/out sockets
- Power consumption: 45W
- Power supply: 100-240V, 50/60Hz
- Dimensions: 232 x 281 x 260mm (195mm with bracket folded)
- Weight: 4.3kg

Overview



Identification:

1. Hanging bracket
2. Earth point
3. Safety eye
4. LED display
5. Function buttons
6. DMX input socket
7. DMX output socket
8. IEC power in socket
9. IEC power out socket
10. Hanging bracket tightening knobs
11. Fuse - 1A, 240V

Operation modes:

DMX mode:

To access the DMX mode, press the **"MODE"** button on the rear of the unit to show 5 12 on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the desired DMX address from d.001 ~ d.5 12, and press the **"ENTER"** button to confirm the setting.

DMX channel mode:

To access the DMX channel mode, press the **"MODE"** button on the rear of the unit to show 5 12 on the LED display. Then press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the desired DMX address from d.001 ~ d.5 12. Now press the **"ENTER"** button to choose one of the 1, 3 or 5 DMX channel modes use the **"UP"** and **"DOWN"** buttons, and press the **"ENTER"** button to confirm the setting.

1 channel DMX chart:

Channel	Value	Function
1	0-7	No function (Blackout)
	8-67	Show (Program 1)
	68-127	Show (Program 2)
	128-187	Show (Program 3) - Slow motion mode
	188-247	Sound active (188 = Low sensitivity, 247 = High sensitivity)
	248-255	Random shows

3 channel DMX chart:

Channel	Value	Function
1	0-14	Gobo 1
	15-29	Gobo 2
	30-44	Gobo 3
	45-59	Gobo 4
	60-74	Gobo 5
	75-89	Gobo 6
	90-104	Gobo 7
	105-119	Gobo 8
	120-134	Gobo 9
	135-149	Gobo 10
	150-164	Gobo 11
	165-209	Gobo wheel clockwise rotation
	210-255	Gobo wheel anti-clockwise rotation
2	0-179	Mirror dish 360 degree rotation
	180-214	Mirror dish clockwise rotation
	215-255	Mirror dish anti-clockwise rotation
3	0-255	LED brightness 0-100%

5 channel DMX chart:

Channel	Value	Function
1	0-14	Gobo 1
	15-29	Gobo 2
	30-44	Gobo 3
	45-59	Gobo 4
	60-74	Gobo 5
	75-89	Gobo 6
	90-104	Gobo 7
	105-119	Gobo 8
	120-134	Gobo 9
	135-149	Gobo 10
	150-164	Gobo 11
	165-209	Gobo wheel clockwise rotation
	210-255	Gobo wheel anti-clockwise rotation
2	0-179	Mirror dish 360 degree rotation
	180-214	Mirror dish clockwise rotation
	215-255	Mirror dish anti-clockwise rotation
3	0-255	LED brightness 0-100%
4	0-19	No function
	20-255	Sound active
5	0-17	No function
	18-255	Strobe (slow to fast) (When in sound active 0-255 = sensitivity)

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

Master/slave mode

To access the master/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.

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 SUNd 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.31 and press the **"ENTER"** button to confirm the setting.

Note: SU00 = Low, SU31 = High

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

Auto run mode:

To access the auto run mode, press the **"MODE"** button to show AUTO on the rear of the unit. In the auto run mode there are three setting options to choose from:

Gobo **- Gobo setting options**

roAt **- Gobo rotation options**

LEd **- LED setting options**

Gobo setting options:

While in the auto mode, press the **"MODE"** button to show Gobo on the rear of the unit. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 5 options.

GorG = Static gobo

G-cU = Spins the gobo wheel in a clockwise direction. In this menu, press the "ENTER" button then us the "UP" or "DOWN" buttons to select the speed.

GccU = Spins the gobo wheel in a anti-clockwise direction. In this menu, press the "ENTER" button then us the "UP" or "DOWN" buttons to select the speed.

GPoS = Gobo selector. In this menu, press the "ENTER" button and then use the up and down buttons to scroll through the 11 static gobos

G.Pro = Spins the gobo wheel clock wise and anti-clock wise.

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

Pattern number	pattern
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Mirror dish rotation options:

While in the auto mode, press the **"MODE"** button to show rotAt on the rear of the unit. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 4 settings.

r.orG = Static mirror dish

r.-cU = Spins the mirror dish in a clockwise direction. In this menu, press the "ENTER", enter the rotating speed settings, through the "UP" or "DOWN" to select the speed with 10 increments.

r.ccU = Spins the mirror dish in a anti-clockwise direction. In this menu, press the "ENTER", enter the rotating speed settings, through "UP" or "DOWN" to select the speed with 10 increments.

rPro = Spins the mirror dish clockwise and anti-clockwise whilst running the built-in programs.

Press the **"ENTER"** button to confirm the setting.
To exit out of any of the above options, press the **"MODE"** button.

LED setting options:

While in the auto mode, press the **"MODE"** button to show led on the rear of the unit. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 2 settings by pressing the **"ENTER"** button and using the **"UP"** and **"DOWN"** buttons accordingly and press the **"ENTER"** button to confirm the setting.

L.con = Set the brightness of the LED from 000-255 (000=off, 255=full on). In this menu, press the "ENTER" button, through the "UP" or "DOWN" to set the chosen brightness.

L.Pro = Sets the led into fade in and fade mode. Fade speed can be set from 00-15 (00=slow, 15=fast). In this menu, press the "ENTER" button, through the "UP" or "DOWN" to set the chosen fade speed.

Press the **"ENTER"** button to confirm the setting.
To exit out of any of the above options, press the **"MODE"** button.

Note: After completing your settings, the auto run mode will run according to your settings.

<u>Built-in programs mode</u>

To access the built-in programs mode, press the **"MODE"** button on the rear of the unit to show Pro on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select between the program options:

Pro 1 = This program is set to a slow rotation with fade in and fade out.

Pro2 = This program is set to a fast rotation with fade in and fade out.

Press the **"ENTER"** button to confirm the setting.
To exit out of any of the above options, press the **"MODE"** button.

Factory reset menu mode

Error reset:
Note: you only need to go into this mode if the rear of the unit shows -Err on the LED display on start up.

To access the setting mode, press the **"MODE"** button on the rear of the unit to show SEt on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to choose one of the 3 settings by pressing the **"ENTER"** button and using the **"UP"** and **"DOWN"** buttons accordingly.

o-St = Set the offset of the gobo wheel from 0 - +100 or -100.
The user can adjust the gobo wheel to the correct position via this option if the image of the gobo is partially obscured.

motor = Review the motor reset status.

If the LED display shows G-nG then the gobo wheel motors position is incorrect.
If the LED display shows G-oY then the gobo wheel motor has reset successfully.
If the LED display shows r-nG then the rotation wheel motors position is incorrect.
If the LED display shows r-oY then the rotation wheel motor has reset successfully.

-rSt = Resets the unit to its factory settings.

To exit out of the above, press the **"MODE"** button until you are back at the main menu.

Total reset:
In addition, if the fixture is not operating properly after powering on and menu is not operating normally, press the "MODE" and "ENTER" buttons at the same time, then power on, until the LED display flashes then release the buttons. Note: This will also restore the factory settings.

DMX Control 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.

Setting the DMX address
The DMX mode enables the use of a universal DMX controller. Each fixture requires a "start address" from 1- 511. 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):
• The Equinox Power Flower 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).

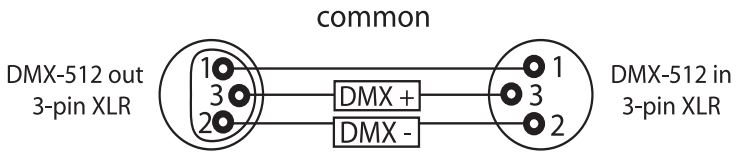
Figure 1

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.



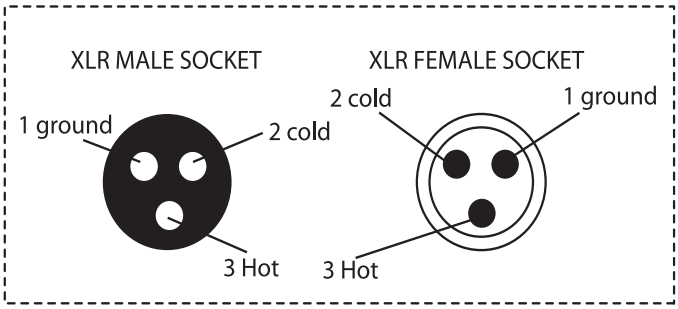


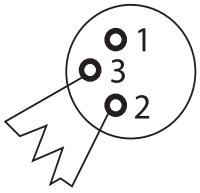
FIGURE 3

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.

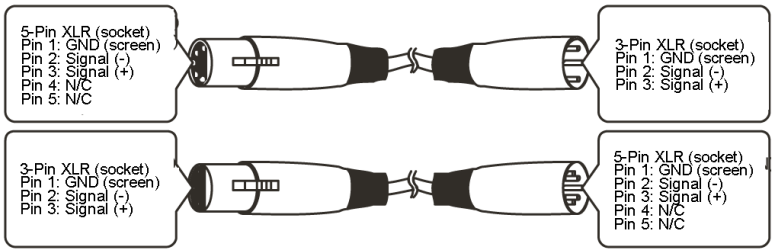


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (part number CABL90 3-pin, CABL89 5-pin) 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.



English

Correct Disposal of this Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with seperate 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 seperate 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.

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