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MINIDERBY

LED Mini Derby with IR Remote and 9 x 3w coloured LEDs.



User's instruction manual

This manual contains important information about the safe installation and use of this product

Please read this instruction manual carefully before installing or operating

Please keep these instructions in a safe place for future reference

V1.00

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Introduction

Thank you for the purchase of your MINIDEBRY lighting effect by Light Emotion. We are confident you will be satisfied with your purchase and enjoy many years of use from this Professional Light Emotion product. Please read these instructions carefully to ensure the product is well look after and used correctly to avoid any potential problems.

Please note that as part of our ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

What is in the box:

- 1 x MINIDERBY Lighting Effect
- 1 x IR infra-red remote
- 1 x IEC power cable
- This user manual

1. Safety Instructions:

Please read these instructions carefully. It includes important information about the installation usage and maintenance of this product.

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the sticker of the fixture.
- This product is intended for indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surface. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing.
- Secure fixture to stands, trussing and the like using a safety chain.
- Maximum ambient temperature is 40°C. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Carry by holding the unit directly or via the hanging bracket.
- Avoid direct eye exposure to the light source while it is on.

2. Installation:

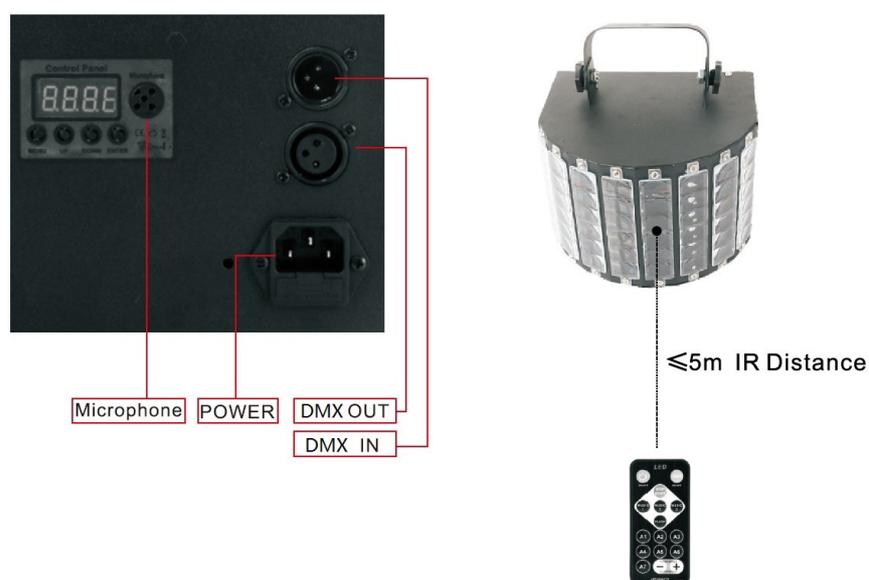
Caution: For safe mounting of this product, please read the following carefully.

- Use a suitable clamp to attach to lighting stand, trussing or bar, together with safety chain.
- When mounting the product, do not stand directly underneath the product
- Always use a safety chain when mounting the product on stands, trussing or bars. Make sure the breaking strain rating of the chain is at least 10 times the weight of the product.
- Make sure there is adequate ventilation around the product.
- Never look directly into the LED light sources of the product.
- For indoor use only – do not use outdoors.
- To avoid electrical shock, keep away from rain and moisture.

3. Features

This product is designed as an LED lighting effect and is only intended to be used as an LED lighting effect for entertainment and display applications. Due to our ongoing commitment to constantly reviewing and improving products, features and specifications are subject to change without prior notice.

- LEDs: 9 x 3w LED with average 50000 hours lifespan.
- LED Colours: Yellow, red, orange, rose, Bengal, white, green, blue, purple, warm white
- Control: IR Remote, sound active, stand alone or DMX
- DMX Channels: 8
- Dimensions: 225 x 205 x 215mm
- Weight: 1.3kg



4. Operation

1. Digital display operate

After starting press MANU enter into main-menu,
Press UP (on) DOWN (down) to select the submenu,
and then press ENTER ensure



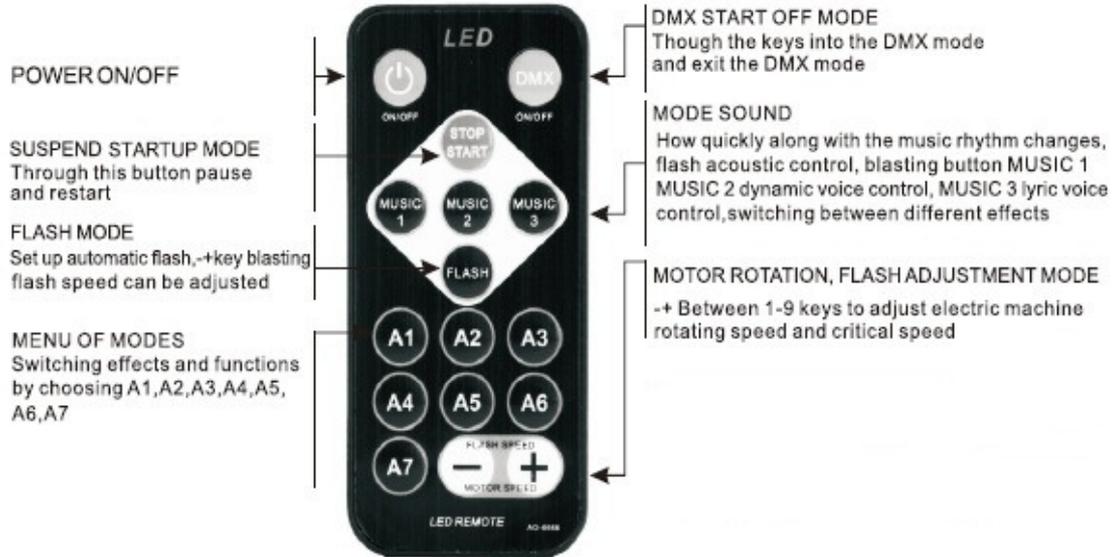
2. Function Setting

Status	Value	Function
A001-A512	001-512	Dmx mode
A_ _	A1_ (1-9)	Red + Orange + Blue always on Slow to fast
	A2_ (1-9)	Yellow + White + Amber bengal always on Slow to fast
	A3_ (1-9)	Green + Purple + Rose always on Slow to fast
	A4_ (1-9)	One or three or all groups color are on. Slow to fast
	A5_ (1-9)	One or six or all groups color are on. Slow to fast
	A6_ (1-9)	One or seven or all groups color are on by gradual change. Slow to fast
	A7_ (1-9)	One or eight or all groups color are on by gradual change. Slow to fast
S1_	S1_ (1-20)	In sound, Color change, Blasting flash mode
S2_	S2_ (1-20)	Sound, color change, the dynamic model
S3_	S3_ (1-20)	Sound, color change, lyrical mode
FLASH	F_ (1-11)	Automatic flash explosion, through the key - + key blasting flash speed can be adjusted
DMX	A001-512	Through the keys into, change numerical value by up and down
SLAV		Slave mode
SA_	SA_ (01-09)	Sound Sensitivity

3. DMX Channel

Channel	Value	Function
CH1	0-255	Dimmer 0-100%
CH2	0-255	RED + Orange dimmer, from 0-100%
CH3	0-255	Green + Purple dimmer, from 0-100%
CH4	0-255	Blue + White dimmer, from 0-100%
CH5	0-255	Green + Yellow dimmer, from 0-100%
CH6	0-255	Strobe effect from fast to slow
CH7	0-255	Light always on Slow to fast
CH8	0-255	Sound mode

Manual of remote controller

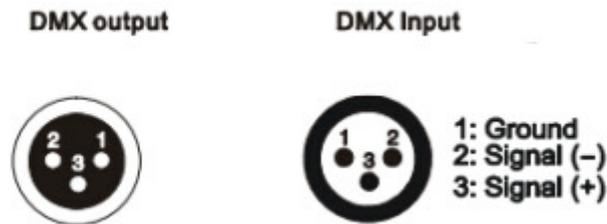


Function Setting

Mode	Function	Speed of motor	Function
A1_ (1-9)	AUTO	1-9	Red + Orange + Blue always on Slow to fast
A2_ (1-9)			Yellow + White + Amber bengal always on Slow to fast
A3_ (1-9)			Green + Purple + Rose always on Slow to fast
A4_ (1-9)			One or three or all groups color are on. Slow to fast
A5_ (1-9)			One or six or all groups color are on. Slow to fast
A6_ (1-9)			One or seven or all groups color are on by gradual change. Slow to fast
A7_ (1-9)			One or eight or all groups color are on by gradual change. Slow to fast
S1_	SOUND	0-20	In sound, Color change, Blasting flash mode
S2_			Sound, color change, the dynamic model
S3_			Sound, color change, lyrical mode
STOP START	STOP START AND		Through this button pause and restart
FLASH	F_ (1-11)		Automatic flash explosion, through the key - + key blasting flash speed can be adjusted
DMX	BOOT OFF		Through the keys into the dmx mode and exit the dmx mode
- +	FLASH SPEED MOTOR SPEED		Through this key to adjust motor rotation speed and the critical speed

5. DMX-512 Control Connection

Using a 3 pin XLR cable, you can connect the product to a DMX controller and then to other fixtures with 3 pin XLR inputs and outputs. When not using DMX, multiple fixtures can be connected together and operate under master/slave control. The signal cable should have two core with shielded cable, the signal connectors are XLR input and output connectors. Please refer to the below diagram:



6. DMX Address Setting

When being used in conjunction with a DMX controller, each fixture must be set a specific starting address. When receiving signal, fixture will receive channel control signals of this address from the DMX controller.

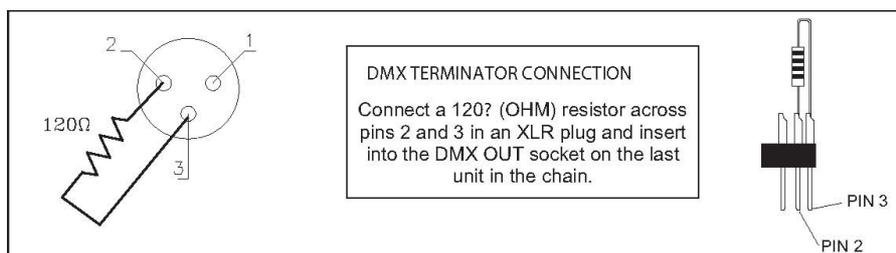
For simplicity, the user can use the same address for multiple fixtures but this will result in each fixture providing exactly the same output and fixtures with the same DMX address cannot be individually controlled.

To control each fixture individually via DMX, each fixture must have its own unique DMX address. As this fixture uses 8 DMX channels, each address must be at least 8 apart.

So for example – assuming the first fixture is DMX channel 1, the second fixture would need to be on channel 9, then the 3rd channel 17 and so on. Some DMX controllers may group fixtures in lots of 16 channels – so in that case, fixture 1 on channel 1, fixture 2 on channel 17, 3 on 33, and so on. Refer to your DMX controllers' instruction manual on how best to manage your DMX channel allocation.

7. DMX-512 connection with DMX terminator

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain. For Terminator connections please see below:



8. Cleaning and Maintenance

From time to time it is recommended the product is cleaned to ensure maximum light output and performance. Use a wet cloth to clean the housing as well as the lenses. Please note that alcohol based cleaners and solvents cannot be used as they will cause damage to the product.

When used in a fixed long term installation such as a venue or club, the unit should be periodically taken down from the installation and professionally cleaned. Dust build-up within the unit can cause damage and ultimately failure of components.

9. Technical Data

Input Voltage: AC100-240V 50/60Hz

Power consumption 30w

LEDs: 9 x 3w LED with average 50000 hours lifespan.

LED Colours: Yellow, red, orange, rose, Bengal, white, green, blue, purple, warm white

Control: IR Remote, sound active, stand alone or DMX

IR Range: 5m line of sight only.

DMX Channels: 8

Dimensions: 225 x 205 x 215mm

Weight: 1.3kg

10. Warranty

This product is warranted for 1 year from your purchase date. We are confident that this product will give many years of trouble-free operation but should an unlikely problem arise, warranty claims must be via the original place of purchase, together with the original purchase receipt. Please keep both your original purchase receipt and this instruction manual together and in a safe place for future reference. Should the product be sold within the warranty period, be sure to pass on both to the new purchaser so they are able to claim warranty should they need to. We recommend you register your warranty online at www.industrygear.com.au.

Purchased from: _____

Contact Details: _____

Date Purchased: _____

Invoice/Receipt Number: _____

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