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P645QUADB2/P645QUADP2

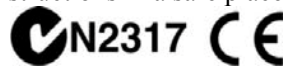
12 x 4in1 5W LEDs. Black / Polished.

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



Congratulations on the purchase of your P64QUADB2/P64QUADP2 by Light Emotion. We are confident that you will be satisfied with your purchase. We have prepared this manual to assist you with the care and operation of this item.

This product uses 12 4in1 5W LEDs to produce vivid colours that the user can control in many ways. The unit incorporates new lens technology which produces a narrower, more concentrated beam allowing fewer LEDs to be used to give a brighter effect. The unit features thermal cut-out, so it will shut down if its interior temperature reaches 85 degrees C – this will prevent damage to the product in the event of a problem.

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 INCLUDED:

CAUTION: Do not use sharp objects whilst unpacking this product

- 1x P645QUADB2/P2 lighting effect
- 1x Manual & Warranty card

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 rear panel 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 or replacing fuse and be sure to replace with same fuse source.
- Secure fixture to fastening device 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.
- Never connect the device to dimmer pack.
- 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. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

POWER

CAUTION: This lighting effect is designed to operate at 240V. Power Consumption: 85W

FUSE

CAUTION:

Only use the correct fuse as specified on the rear panel of the lighting effect.

Disconnect the lighting effect from the mains before attempting to replace the fuse.

To replace the fuse please follow the following steps:

1. Remove the fuse by unscrewing the cap out with a screwdriver.

(Refer to Fig 1)

2. Remove existing fuse.

3. Fit new fuse.

4. Refit the fuse holder.

Fuse: M205 2.0A fast



Fig 1

FEATURES

Static colours

Colour changing

RBGW colour mixing

Audio Activated with sensitivity control

Master/Slave linkable

DMX-512 controllable

INSTALLATION

CAUTION: For safe mounting read the following instructions carefully.

- Use suitable hook clamps* for hanging the lighting effect.
- Use a safety wire* with a breaking strain of more than double the lighting effect.
- Do not look directly into the light source.
- Make sure the lighting effect has suitable ventilation as per the instructions below.
- This lighting effect is intended for indoor use only.
- To avoid electrical shock keep away from rain and moisture.
- Keep unit out of reach from children.

NOTE:

Use washers* and spring washers* when attaching your hook clamp* to the yoke.

1. For installation of the hook clamps* and safety wire* please refer to Fig 2.
2. This lighting effect must be 0.5m away from any flammable materials or any walls or ceilings.
3. Do not block or inhibit the air flow from the ventilation holes.

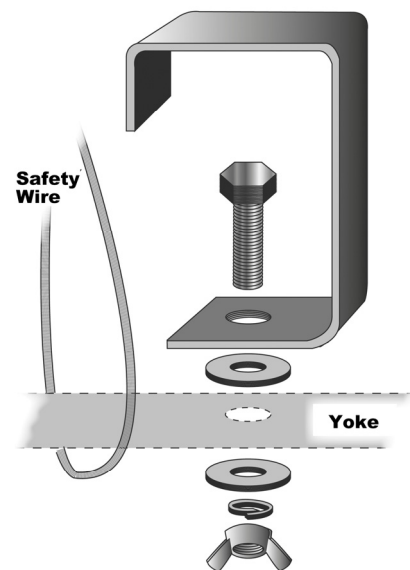


Fig 2

Light Emotion have various hook clamps* and safety wires* suitable for your P64LEDlite Please contact your local dealer for more information *Not included.

MAINTENANCE & PERIODIC CHECKS

CAUTION:

Some maintenance and checks may require the product to be opened and should only be done by qualified persons. Warranty may be void if damage has been caused by improper maintenance. Perspex lenses should be wiped with a clean moist cloth to remove dust and residue.

OPERATION

This product has eight kinds of operation mode, as per the following:

Static colour select mode, Manual dimmer colour mode, Colour jumping mode, Colour dreaming mode, Auto-run program mode, Sound active mode, Slave mode, DMX mode.

The eight running modes are selected by MODE button. Press MODE and UP button at the same time, when it is on, you can initialize it at extra factory setting, running on the auto-run program mode.

Press the MODE and DOWN buttons at the same time to select LED digital display on/off. When the display shows *25=0* means that the display will stay on all the time, when the display shows *25=1* means that the display will turn off after 20 seconds.

MODE manual	SET UP manual	UP/DOWN manual	instruction
STATIC COLOUR SELECT MODE	Colour select	<i>01.00~01.15</i>	Select the 15 static colours
	Flash	<i>F5.00~F5.99</i>	Adjust the auto run flash speed, <i>F5.00</i> is flash off, <i>F5.01</i> is slowest, <i>F5.99</i> is fastest
DIMMER MODE	White dimmer	<i>H0.00~H2.55</i>	Adjust the intensity of the white colour
	Red dimmer	<i>R0.00~R2.55</i>	Adjust the intensity of the red colour
	Green dimmer	<i>G0.00~G2.55</i>	Adjust the intensity of the green colour
	Blue dimmer	<i>B0.00~B2.55</i>	Adjust the intensity of the blue colour
	Flash	<i>F5.00~F5.99</i>	Adjust the flash speed, <i>F5.00</i> is flash off, <i>F5.01</i> is slowest, <i>F5.99</i> is fastest
COLOUR JUMPING MODE	Jumping speed set	<i>JP.01~JP.99</i>	Adjust the speed of colour jumping mode, <i>JP.01</i> is slowest, <i>JP.99</i> is fastest
	Flash	<i>F5.00~F5.99</i>	Adjust the colour jumping flash speed, <i>F5.00</i> is flash off, <i>F5.01</i> is slowest, <i>F5.99</i> is fastest
COLOUR DREAMING MODE	Dreaming speed set	<i>FD.01~FD.99</i>	Adjust the speed of colour dreaming mode, <i>FD.01</i> is slowest, <i>FD.99</i> is fastest
	Flash	<i>F5.00~F5.99</i>	Adjust the colour dreaming flash speed, <i>F5.00</i> is flash off, <i>F5.01</i> is

			slowest, <i>F5.99</i> is fastest
AUTO RUN MODE	Auto run mode set	<i>AUTO</i>	Set the unit into auto run mode
	Flash	<i>F5.00~F5.99</i>	Adjust the auto run flash speed, <i>F5.00</i> is flash off, <i>F5.01</i> is slowest, <i>F5.99</i> is fastest
SOUND MODE	Sensitivity select	<i>SU.00~SU.31</i>	Adjust the sensitivity of the sound-active, <i>SU.00</i> is sound-active off, <i>SU.01</i> is the lowest level, <i>SU.31</i> is the highest level
Slave mode	Slave mode	<i>SLAU</i>	Set the unit into slave mode
DMX MODE	Address set	<i>2001~2512</i>	Sets the DMX starting address

1. Static colour select mode

Press "MODE" button, select the static colour select mode. There are two modes in the static colour select mode. You can select them by pressing the "SET UP" button.

1) Static colour select

Press "SET UP" button until the display shows "*CL.00~CL.15*", then press "UP" or "DOWN" to select static colour 0-15 under this mode.

2) Flash speed select

Press "SET UP" button until the display shows "*F5.00~F5.99*", then press "UP" or "DOWN" button to select the static colour flash speed 00-99, 00 is flash off, 01 is the slowest flash speed, 99 is the fastest flash speed.

2. Manual dimmer colour mode

1) Manual dimmer colour select

Press "MODE" button, select the manual dimmer colour select mode. At this time, the four digital tube displays white "*H.000~H.255*", press the "SET UP" to choose different colour, red "*F.000~F.255*", green "*G.000~G.255*", blue "*B.000~B.255*", then press "UP" or "DOWN" button to set the dimming rate 0-255.

2) Flash speed select

Press "SET UP" button until the four digital tube displays "*F5.00~F5.99*", then press "UP" or "DOWN" button to select colour dimmer flash speed 00-99, 00 is flash off, 01 is the slowest flash speed, 99 is the fastest flash speed.

3. Colour jumping mode

Press "MODE" button, select the colour jumping mode. There are two modes in the colour jumping mode. You can select them by pressing the "SET UP" button.

1) Colour jumping speed set

Press "SET UP" button until the four digital tube displays "*JP.01~JP.99*". Press "UP" or "DOWN" button to select the colour jumping speed 01-99, 01 is the slowest speed, 99 is the fastest speed.

2) Flash speed select

Press "SET UP" button until the four digital tube displays "*F5.00~F5.99*", then press "UP" or "DOWN" button to select the colour jumping flash speed 00-99, 00 is flash off, 01 is the slowest flash speed, 99 is the fastest flash speed.

4. Colour dreaming mode

Press "MODE" button, select the colour dreaming mode. There are two modes in the colour dreaming mode. You can select them by pressing the "SET UP" button.

1) Colour-dreaming speed set

Press "SET UP" button until the display shows "*F8.00~F8.99*". Press "UP" or "DOWN" button to select the colour dreaming speed 01-99, 01 is the slowest speed, 99 is the fastest speed.

2) Flash speed select

Press "SET UP" button until the display shows "*F5.00~F5.99*", then press "UP" or "DOWN" button to select the colour dreaming flash speed 00-99, 00 is flash off, 01 is the slowest flash speed, 99 is the fastest flash speed.

5. Auto-run program mode

Press "MODE" button, select the auto-run program mode. There are two modes in the auto-run program mode. You can select them by pressing the "SET UP" button.

1) Colour dreaming program mode select

Press "SET UP" button until the display shows "*AUFD*", the unit runs into the auto run program mode, the colour jumping program and colour dreaming program run alternatively. Press UP or DOWN is no use under this mode. Running speed is the current speed of colour jumping program and colour dreaming program.

2) Flash speed select

Press "SET UP" button until the display shows "*F5.00~F5.99*", then press "UP" or "DOWN" button to select the auto run program flash speed 00-99, 00 is flash off, 01 is the slowest flash speed, 99 is the fastest flash speed.

6. Sound active mode

Press "MODE" button, select the sound active program mode, display shows "*SU.00~SU.31*", then press "UP" or "DOWN" to select the sound active the sensitivity 0-31. 0 is off sound-active, 01 is the lowest sensitivity, 31 is the highest sensitivity.

7. Slave mode

Press "MODE" button, select slave mode, display shows "*SLAU*". The unit will be controlled by the master unit now.

8. DMX mode

Press “MODE” button until the display is “0001~2512”, then press UP or DOWN to set the DMX address 001-512.

DMX MODE:7 DMX channels

CH7			CH6	CH5	CH4	CH3	CH2	CH1							
MOD E	DMX VALUE	FUNCTION													
1	0-13	No function	0-10=No use 11-255=Flash (slow→fast)	Dimming 0-255 (dim→bright)	White 0-255 (dim→bright)	Blue 0-255 (dim→bright)	Green 0-255 (dim→bright)	Red 0-255 (dim→bright)							
2	14-26	Red			0-10=No use 11-255=Flash (slow→fast)	Dimming 0-255 (dim→bright)	No function	No function	No function	No function					
3	27-38	Green													
4	39-51	Blue													
5	52-64	White													
6	65-76	R+G													
7	77-89	R+B													
8	90-102	R+W													
9	103-114	G+B													
10	115-127	G+W													
11	128-140	B+W													
12	141-152	R+G+B													
13	153-165	R+G+W													
14	166-178	R+B+W													
15	179-190	G+B+W													
16	191-204	R+G+B+W													
17	205-217	Colour change									Speed 0-255 (slow→fast)	No function	No function	No function	No function
18	218-230	Colour dreaming													
19	231-241	Auto run													
20	243-255	Sound active	Sensitivity 8-255 (insensitive → sensitive)	No function							No function	No function	No function		

Note: R---red G---green B---blue W---white

To determine the starting address for the each lighting effect you should refer to your DMX controller user manual.

DMX LEAD

The DMX lead is used to link up multiple units. For Wiring connections refer to Fig 3.

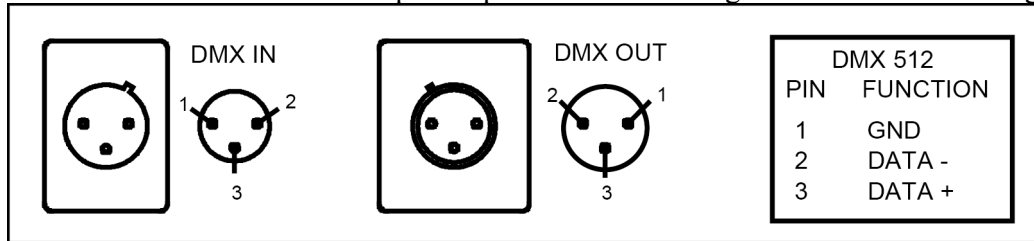


Fig 3

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 refer to Fig 4

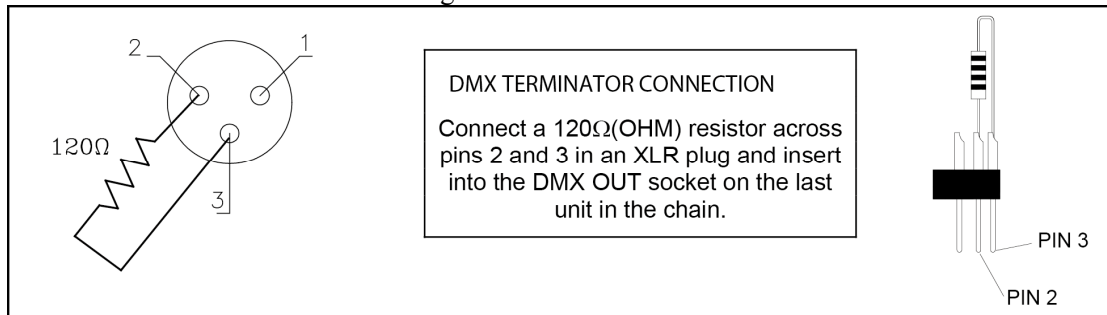


Fig 4

QUESTIONS

Symptom Fault

Unit does not power up - Check that the power outlet is turned on and fuse is OK Check that the mode is set correctly and that you are controlling the unit correctly

Unit chases constantly and not to the beat of the music - Check that the microphone sensitivity is not turned up too high and that the mode is set correctly

Units do not work or is uncontrollable when linked or in DMX mode - Check that the mode is set correctly, check that all the leads are OK, check that the controller is set to pin 3 +ve) (If using DMX the lead should come out of the DMX output socket). See Fig 5

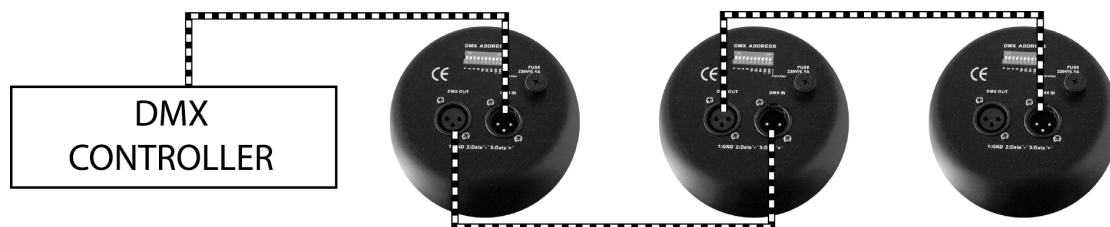


Fig 5

SPECIFICATIONS

- Voltage: 240V AC
- Power Consumption: 85W
- Operating Frequency: 50Hz
- Power lead: Fixed 1m
- Fuse: M205 2.0A fast blow
- Sound activated: Yes
- Stand alone mode Yes
- DMX: 7 channels
- Ch1-4: R, G, B, W control. Ch 5: Dimming. Ch 6: Strobing. Ch 7: Effects.
- Linkable: Yes
- Colours: 1.6M colours
- Output power / level: 12 LEDs
- 12 X 4IN1 RGBW 5W LED
- Beam angle: 25 degrees
- Four button LED digital display
- Built in thermal cut off.
- Input connection: DMX: Male 3 pin XLR
- Output connection: DMX: Female 3 pin XLR
- Colour: Black or silver
- Weight: 5.5Kg
- Dimensions: L300mm x W270mm x D220mm



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