



PRO PAR

Model No. PAR4X12B

USER MANUAL



For safety, please read this user manual carefully before initial use.

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Ver 1.0.1 (27 Apr 2020, revised 10 May 2021)

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Safety Instructions

WARNING

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.
- Do not look at the light source when the device is on.
- **CAUTION:** This unit's housing may be hot during and after operation.
- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- **ONLY** connect this device to a grounded and protected circuit.
- **ONLY** use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Coin/Button Cell Battery Safety Information

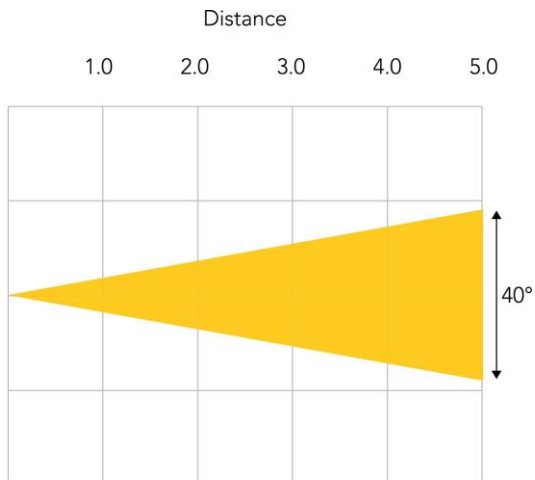
This product includes an IR remote that contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns and, in extreme cases, can lead to death. Keep batteries away from children.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

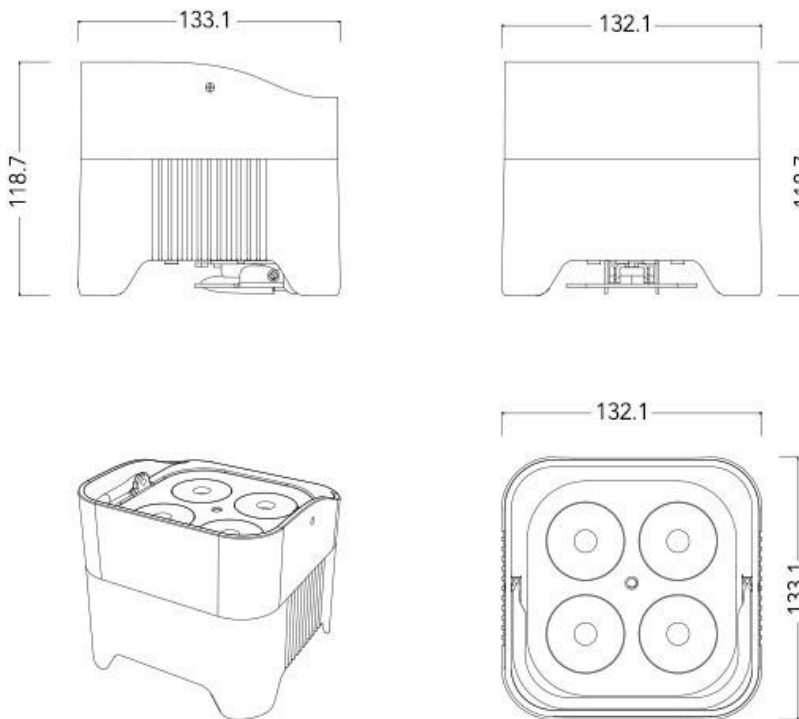
Use a safety chain when mounting this device overhead.

Lux Chart



LUX @ 40°	Ø 0.73	Ø 1.46	Ø 2.18	Ø 2.91	Ø 3.64
R	308	72	33	18	13
G	990	268	119	77	52
B	923	243	112	71	48
W	1,263	345	156	102	73
A	340	87	42	25	18
U	202	55	26	18	12
Full	3,100	850	370	247	160







Dimensions



CONTROL BOARD OPERATION

Menu Map

d001	->	d001	-	d5 12	Select DMX address for 6 ch mode
A001	->	A001	-	A5 12	Select DMX address for 10 ch mode
100	->	000	-	100	Remaining percentage of battery power
S.SL	->	S.SL	or	S.FA	Set dimming speed (SL: slow / FA: fast)
d.of	->	d.ho	or	d.of	When lost DMX signal, ho: keep the last DMX signal state OF: blackout
rF of	->	rF on	or	rF of	Switch on/off wireless DMX control
Iron	->	Iron	or	Ir of	Switch on/off IR remote control
r255	->	r000	-	r255	Set red colour intensity
G255	->	G000	-	G255	Set green colour intensity
b255	->	b000	-	b255	Set blue colour intensity
w255	->	w000	-	w255	Set white colour intensity
y255	->	y000	-	y255	Set amber colour intensity
P255	->	P000	-	P255	Set UV colour intensity
1255	->	1000	-	1255	Display IR control brightness level
FF00	->	FF00	-	FF 15	Set strobe speed
CL01	->	CL01	-	CL 15	Select 15 static colour modes, see chart: Static colour mode
CC 12	->	CC00	-	CC 15	Select 16 speed of auto colour switch mode
dE 15	->	dE00	-	dE 15	Select 16 speed of auto colour fading mode
CP 13	->	CP00	-	CP 15	Select 16 speed of auto colour pulse out mode
SU 13	->	SU00	-	SU 15	Select sound active mode with different sound sensitive level

					Wi-Fi Control Mode
					Display current temperature
					Display version number
	->		or		Reset

Static colour mode

Value:	Function:
C1	R
C2	G
C3	R + G
C4	B
C5	B + R + UV
C6	G + B
C7	R + G + B + A + UV
C8	W
C9	R + W
C10	G + W
C11	R + A
C12	B + W + UV
C13	R + B + W + UV
C14	G + B + W
C15	R + G + B + W + A + UV

Wireless DMX mode

Set up wireless DMX

The fixture needs to be paired from the wireless DMX transmitter. Follow below steps to pair.

Step 1: Connect the DMX512 controller to the wireless DMX transmitter.

Step 2: Switch on the PAR6x12OB, turn on the wireless DMX control on from control panel 'rfon'

Step 3: Set the PAR6x12OB to DMX mode. (Axxx or dxxx)

Step 4: Switch off the PAR6x12OB. Press and hold the 'DMX select' button whilst switching on the fixture. Once the fixture turns on the 'wireless status' light will be lit white and the unit will be in 'setup mode'.

Step 5: The 'wireless indicator' will be lit to a specific colour to indicate the protocol being used for the transmission as shown in TABLE1. Pressing the button will cycle through the colours and once you want to set the protocol pressing the button for more than 1s will save the protocol. The transmitters, receivers and transceivers will remember the protocol used even after a power cycle with their built in memory chip.

Now you need to setup as for WDMX mode or EL mode

Protocols TABLE1

Colour	Protocol
Red	ELDMX Transmit and receive
Green	W-DMX Receive
Blue	W-DMX G3 Transmit

Using W-DMX mode

Transmitters

Pressing the button momentarily will connect to all unconnected receivers in the coverage area.

Pressing the button for more than 3s will disconnect all receivers in the coverage area.

Receivers

Pressing the button for more than 3s will disconnect the device with a transmitter.

NOTE:

The colour of the light will indicate the group as shown in Table2.

The receiver will not connect with a new transmitter unless it is disconnected first.

W-DMX Status Indicators TABLE2

Protocol	Action	Description
W-DMX Receive	White	No connection
	Red	Deleting Connection
	Red Fast Flash	Connection Lost
	Green Fast Flash	Connecting to Transmitter
	Green Slow Flash	Connected but no DMX signal
	Green	Connected with DMX signal
W-DMX Transmit	Red	Deleting All Receivers
	Blue Fast Flash	Connecting with the receivers
	Blue Slow Flash	No DMX input
	Blue	Transmitting DMX

Using EL wireless DMX mode

Changing Channel Group

Pressing the Button will show you the current channel group being used and pressing it again will cycle through the groups. The colour of the light will indicate the group as shown in Table3.

Status Indicators TABLE3

Protocol	Action	Description
ELDMX	Solid Colour (Red, Green, Blue, Yellow, Cyan, Magenta)	1 of the 6 colour groups
	Flashing Red	Transmitting DMX
	Flashing Green	Receiving DMX









































IR remote control mode

-You must switch off wireless DMX function, select **rFoF**.

-Select **iron**, then use IR remote to switch on IR remote control mode.



Key	Function	Display		
BLACK OUT	Switch on/off IR function	Ir to CC12	Pressing <blackout> button to switch on the fixture IR function, fixture will go to CC12 auto colour switch mode or your last setting	
		iron	Pressing <blackout> button when unit under IR mode, fixture will blackout and on IR standby mode	
AUTO	Select auto colour switch mode (CC) or auto colour pulse out mode (CP) with different speed	CC10 between CP15	Using <Auto> button to select CC or CP mode, using + - to changespeed.	
SOUND	Select sound active mode (SU) with different sensitivity level	SU15	Pressing <SOUND> button to select SU mode, using + - to change sensitivity level	
FADE	Select auto colour fade mode (dE) with different speed	dE15	Pressing <FADE> button to select dE mode, using + - to change speed.	
MANUAL	Select manual colour mode	d10n	to	
		r255		Pressing <MANUAL> button to entry manual colour mode
		r255	Using R G B A U (W) button to cycle though 20% change of intensity of each colour separately.	
%	Select intensity of LED full on mode	1000	to	
		r255		Pressing <%> button to cycle though 10% change of intensity on static colour (R255+G255+B255+W255+A255+U255) mode.
0	Select intensity of static colour (R255+G255+B255+W255+A255+U255)	r255	to	
				Using + - to change intensity

	Select intensity of static colour (R255)		to	Using   to change intensity
	Select intensity of static colour (UV50+R255)		to	Using   to change intensity
	Select intensity of static colour (R255+G50)		to	Using   to change intensity
	Select intensity of static colour (G255)		to	Using   to change intensity
	Select intensity of static colour (G160+B255+UV100)		to	Using   to change intensity
	Select intensity of static colour (B255+UV50)		to	Using   to change intensity
	Select intensity of static colour (R50+B255+UV200)		to	Using   to change intensity
	Select intensity of static colour (R255+B150+UV255)		to	Using   to change intensity
	Select intensity of static colour (R255+B20+A200)		to	Using   to change intensity
	Reset factory default setting		to	
	No function			
	Add strobe effect on CC, CP, SU, dE, dl and static colour mode.	No change		Pressing <STROBE> button to cycle though 1/8 change of strobe speed

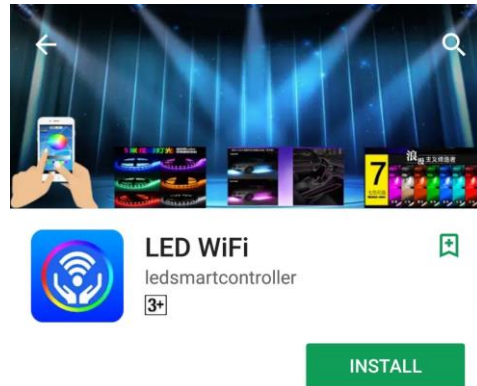
Wi-Fi Mode

Downloading the application

Login to the App Store (iOS) or Google Play (Android), download LED Wifi application. It allows you to control the PAR4x12B using your mobile devices with iOS / Android operating systems.



App Store (iOS)



Google Play (Android)

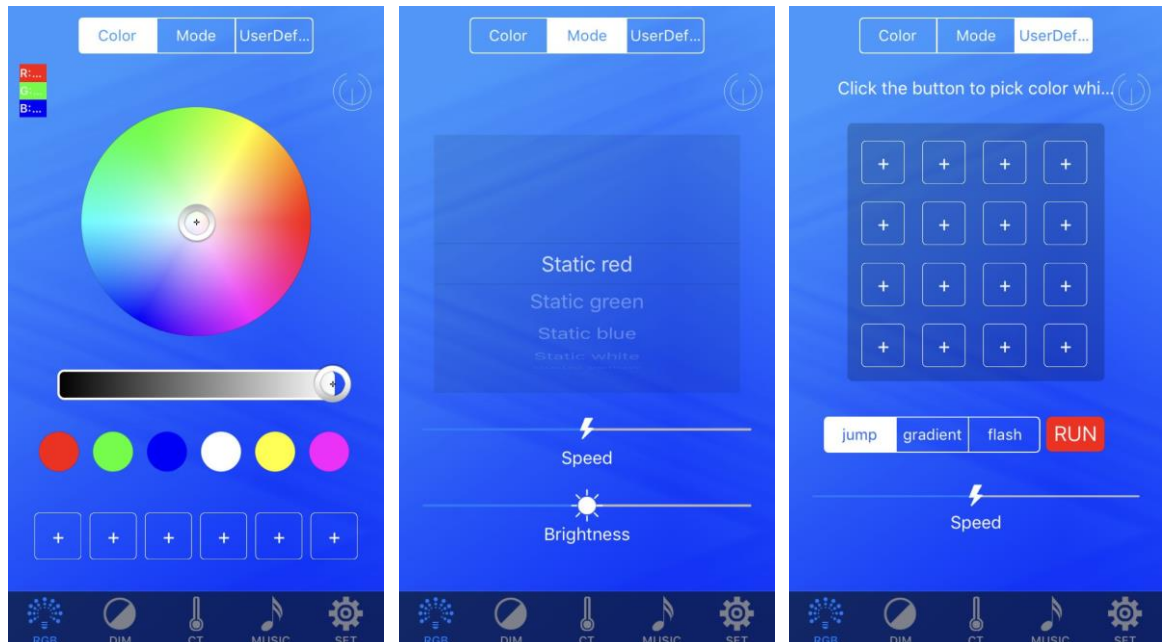
Connecting mobile devices with iOS / Android to PAR4X12B

Step 1: On your mobile devices, select Settings > Wi-Fi > list of available Wi-Fi device will be shown.

Step 2: Select 'LED_****' and connect.

PAR4X12B has own 3-digit Wi-Fi ID and display as LED_***). "****" is based on the last three digits of the serial number, which is printed on the back of the machine. Select light and connect it.

Step 3: Open LED Wifi application to control the light in 3 different modes.



DMX Chart

6 channels Mode

Channel	Value	Function
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%
5	000-255	Amber: 0% ~ 100%
6	000-255	UV: 0% ~ 100%

10 channels Mode

Channel	Value	Function
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%
5	000-255	Amber: 0% ~ 100%
6	000-255	UV: 0% ~ 100%
7	000-255	Master Dimmer 0% ~ 100%
8	000-255	Strobe (slow-fast)
9	000-050	No function
	051-100	Select 15 Static colour mode (CL), colour have been controlled by ch10
	101-150	Select Auto colour switching modes (CC), program speed have been controlled by ch10
	151-200	Select Auto colour fade mode (dE), program speed have been controlled by ch10
	201-250	Select Auto colour pulse mode (CP), program speed have been controlled by ch10
	251-255	Select Sound active mode (SU), sound sensitivity level have been controlled by ch10
10 (Ch9 set 051-100)	000-015	No function
	016-031	R
	032-047	G
	048-063	R + G
	064-079	B
	080-095	B + R + UV
	096-111	G + B
	112-127	R + G + B + A + UV
	128-143	W
	144-159	R + W
	160-175	G + W
	176-191	R + A
	192-207	B + W + UV
	208-223	R + B + W + UV

	224-239	G + B + W
	240-255	R + G + B + W + A + UV
10 (Ch9 set 101-250)	000-255	Select auto run speed for (CC, dE and CP) from slow to fast
10 (Ch9 set 251-255)	000-255	Select sound sensitivity level for sound active mode (SU) form low to high

TECHNICAL SPECIFICATIONS

Power

Input Voltage: 100~240V AC, 50/60 Hz

Power Pack: 16.8V DC 2A

Power Consumption: 48W

Connection: DC Input Socket

Photometric

Light Source: 4pcs 6-in-1 RGBWAW 12WLED

Beam Angle: 40°

Output: 3100 lux on @1M RGBWAW Full on

PWM: 20,000 Hz

LED Lifespan: 50,000 hours

Effects

Dimming: 0~100%

Strobe: 0~20 Hz

Control

Operational Modes: Static, Color Fade, Auto Program, Sound Active, Master / Slave, DMX, Wireless DMX, iOS, Android and IR Remote

Control Protocol: DMX512, Wireless DMX

DMX Channels: 6 / 10

Display: 4-button & 4-digit LED display control panel

Cooling: Fanless

Battery

Approx. 4 hours Full Colour

Approx. 15 hours Single Colour at Auto Run

Housing

Materials: Die-cast Aluminum

Finishing: Matte black

IP rating: IP20

Net Weight: 1.9 kg

Overall Size: 133 x 134 x 119 mm

WARRANTY

Please refer to your local dealer or please contact Event Lighting Pty Ltd

Website: www.event-lighting.com.au.