LED Pix Panel

PAN4x1x30, PAN4x1x15

USER MANUAL

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

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

www.event-lighting.com.au

Ver 2.2

CONTENTS

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.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.
Link up to the maximum 15A. DO NOT exceed this.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.
Before replacing the fuse, unplug mains lead.

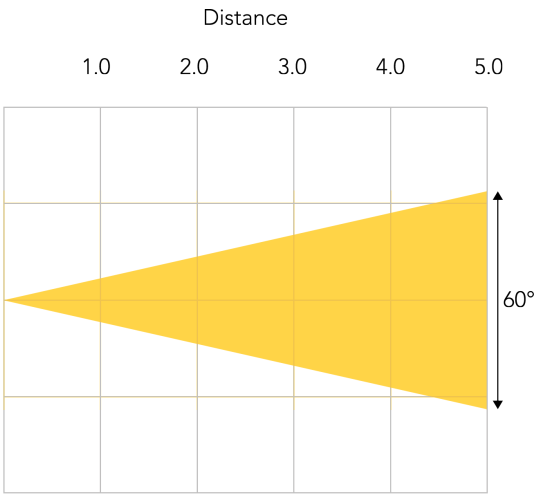
Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).
Step 2: Remove the old fuse from the fuse holder.
Step 3: Install the new fuse in the fuse holder.
Step 4: Replace the fuse holder in the housing and fix it.

Product Installation

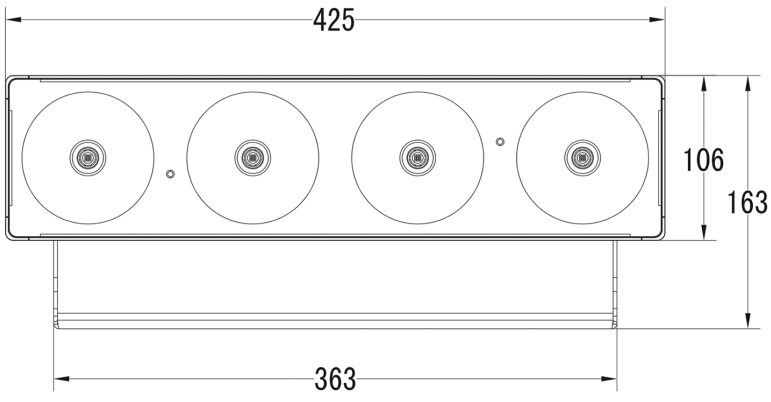
This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.
Use a safety chain when mounting this device overhead.

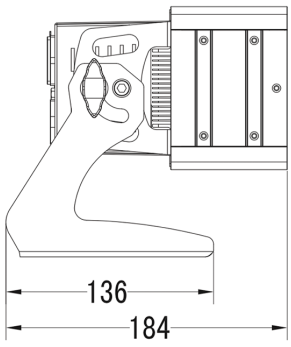
PRODUCT APPEARANCE, LUX CHART, DIMENSIONS



PAN4X1X15	Ø 1.15	Ø 2.31	Ø 3.46	Ø 4.62	Ø 5.77
R	744	207	97	58	39
G	800	221	109	63	42
B	840	241	103	64	44
Full	2100	607	289	171	116

PAN4X1X30	Ø 1.15	Ø 2.31	Ø 3.46	Ø 4.62	Ø 5.77
R	943	285	135	76	52
G	1028	308	149	85	57
B	1040	320	151	85	56
Full	2920	968	418	239	159





CONTROL BOARD OPERATION

Display	Options / Values	Function
1.DMX Address	<001> - <512>	Set DMX address
2.DMX Channel	<03> <05> <09> <12> <17>	Select DMX channel mode
3.Dimmer Curve	<01> <02> <03> <04> <05>	Select dimmer curve
4.Sound Mode	<Sen:000> - <Sen:100>	Select sound active mode and the sensitivity level from Sen:<000> to Sen:<100>
5.Static Color	R, G, B, RG, GB, RB, RGB	Select static colour
6.Manual Color	R<000> - <255> G<000> - <255> B<000> - <255> S<000> - S<100>	Set intensity of each colour separately for color mixing and strobe rate
7. Auto Program	<Pr01> - <Pr21 > <Speed000> - <Speed100> Dim:<000> - Dim:<255>	Select built-in automatic programs, auto run speed and dimmer level
8.Master/Slave	<M> <S>	Select Master/Slave modes
9.Factory Set	<No>/<Yes>	Recover manufactory default

DMX address

After select the "DMX Address" and press “Enter”, then use “Up” and “Down” to set the desired DMX address, press "Enter" again to confirm.

DMX modes

After select the "DMX Channel" and press “Enter”, then use “Up” and “Down” to set the desired DMX mode, press "Enter" again to confirm.

Dimmer curve

After select the "Dimmer Curve" and press “Enter”, then use “Up” and “Down” to set the desired dimmer curve, press "Enter" again to confirm.

Sound Mode

After select the "Sound mode", use “Up” and “Down” to set the sound sensitivity Sen 000 ~ Sen 100, press “Enter” to confirm.

Set Static Colours

Mode:	Value:	Function:
Static Color	Static color <R>	Red
	Static color <G>	Green
	Static color <B>	Blue
	Static color <RG>	Red + Green
	Static color <BG>	Green + Blue
	Static color <RB>	Red + Blue
	Static color <RGB>	Red + Green + Blue

Entered "Static Color", you can select the desired solid color via the “Up” or “Down” buttons, then “Enter” to confirm.

Manual Colour mode

Entered "Manual Color" mode, use “Up” and “Down” button to select the each colour RGB intensity from 000 to 255, select strobe (S) speed from S000 to S100. (S000 is strobe off). Press “Enter" to save new setting.

Automatic Mode

Pr 01	R G B colors switching
Pr 02	7 colors switching
Pr 03	R G B colors fading
Pr 04	7 colors Fading
Pr 05	Color Macros Fading
Pr 06	Effect program 1
Pr 07	Effect program 2
Pr 08	Effect program 3
Pr 09	Effect program 4
Pr 10	Effect program 5
Pr 11	Effect program 6
Pr 12	Effect program 7
Pr 13	Effect program 8
Pr 14	Effect program 9
Pr 15	Effect program 10
Pr 16	Effect program 11
Pr 17	Multi fixture chases 1
Pr 18	Multi fixture chases2
Pr 19	Multi fixture chases 3
Pr 20	Multi fixture chases 4
Pr 21	Multi fixture chases 5

Set auto run Pr01 - Pr16

Entered "Auto Program" mode, use “Up” and “Down” button to select the built-in programs. Press “Enter" and use “Up” and “Down” button to select auto run speed from <Sp000> to <Sp100>. Press “Enter" and use “Up” and “Down” button to select dimmer of “Auto Program” from <dim000> - <dim255>. Press “Enter" to save new setting.

Set multi fixture chases Pr17 – Pr21

Before starting, go to each fixture and reset the menu to fixture defaults.

1. On the master unit, setup the DMX address to the total number of fixtures in the string. For example, you may have a total of 20 par cans including the master, so the DMX address should be set to “20”.
2. On the master unit, go to master/slave menu setting and set the unit to master
3. On the master unit, set the unit to “Auto Mode” <Pr17> - <Pr21> which supports multi fixture chases.
4. On each slave unit, setup the DMX address to the fixture position in the string. For example, if this unit is the 2nd unit in the string including the master, then set the DMX address to 2. If this the last unit of 20, then the DMX address should be set to 20. It is possible to double up fixture positions as well as fixture 1.

5. On each slave, go to the master/slave menu setting and set it to slave.

Master/Slave Operation

1. Set the master fixture to one of the standalone operating modes: auto, sound, static color or manual color modes
2. Set the slaves, entered “Master/Slave” mode, set to “S”, press “Enter”

Factory set

To recover factory default, select the "Factory Set" and press “Enter”, then use “Up” and “Down” to choose “Yes”, press "Enter" again to confirm to recover manufactory default

DMX CHARTS

3 channels mode

Channel	Value	Function
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%

5 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	Master dimmer 0% ~ 100%
5	000-009	No function
	010-255	Strobe : Slow ~ Fast (1~30Hz)

9 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	Master Dimmer 0% ~ 100% for CH1, 2, 3 & 7
5	000-009	Strobe OFF
	010-255	Strobe (slow-fast 1-30Hz)
	000-019	No Function
	020-039	RED 100% / GREEN 0% ~ 100% / BLUE 0%
	040-059	RED 100% ~ 0% / GREEN 100% / BLUE 0%
	060-079	RED 0% / GREEN 100% / BLUE 0% ~ 100%
	080-099	RED 0% / GREEN 100% ~ 0% / BLUE 100%
	100-119	RED 0% ~ 100% / GREEN 0% / BLUE 100%

6	120-139	RED 100% / GREEN 0% / BLUE 100% ~ 0%	
	140-159	RED 100% / GREEN 0% ~100% / BLUE 0% ~ 100%	
	160-179	RED 100%~ 0% / GREEN 100% ~ 0% / BLUE 100%	
	180-200	RED 100% / GREEN 100% / BLUE 100%	
	201-204	Color Temperature 1	Warm ↓ Cool
	205-209	Color Temperature 2	
	210-214	Color Temperature 3	
	215-219	Color Temperature 4	
	220-224	Color Temperature 5	
	225-229	Color Temperature 6	
	230-234	Color Temperature 7	
	235-239	Color Temperature 8	
	240-244	Color Temperature 9	
	245-249	Color Temperature 10	
	250-255	Color Temperature 11	
7	000-009	No Function	
	010-023	R G B colors switching	
	024-038	7 colors switching	
	039-053	R G B colors fading	
	054-068	7 colors Fading	
	069-083	Color Macros Fading	
	084-098	Effect program 1	
	099-113	Effect program 2	
	114-128	Effect program 3	
	129-143	Effect program 4	
	144-158	Effect program 5	
	159- 173	Effect program 6	
	174-188	Effect program 7	
	189-203	Effect program 8	
	204-218	Effect program 9	
	219-233	Effect program 10	
	234-248	Effect program 11	
	249-255	Sound active mode	
8	000-255	Speed of ch7 auto programs (slow ~ fast) or sound sensitivity	
9	000-009	Use dimmer curve from setting of control board	
	010-044	16 bits Linear dimmer 1	
	045-079	16 bits Non-linear dimmer 2	
	080-114	16 bits Non-linear dimmer 3	
	115-149	16 bits Non-linear dimmer 4	
	150-184	8 bits Linear dimmer 5	
	185-219	Switch on colour temperature mode	
	220-255	Switch off colour temperature mode	

12 channels mode

Channel	Value	Function
1	000-255	LED 1 Red: 0% ~ 100%
2	000-255	LED 1 Green: 0% ~ 100%
3	000-255	LED 1 Blue: 0% ~ 100%
4	000-255	LED 2 Red: 0% ~ 100%
5	000-255	LED 2 Green: 0% ~ 100%
6	000-255	LED 2 Blue: 0% ~ 100%
7	000-255	LED 3 Red: 0% ~ 100%
8	000-255	LED 3 Green: 0% ~ 100%
9	000-255	LED 3 Blue: 0% ~ 100%
10	000-255	LED 4 Red: 0% ~ 100%
11	000-255	LED 4 Green: 0% ~ 100%
12	000-255	LED 4 Blue: 0% ~ 100%

17 channels mode

Channel	Value	Function
1	000-255	LED 1 Red: 0% ~ 100%
2	000-255	LED 1 Green: 0% ~ 100%
3	000-255	LED 1 Blue: 0% ~ 100%
4	000-255	LED 2 Red: 0% ~ 100%
5	000-255	LED 2 Green: 0% ~ 100%
6	000-255	LED 2 Blue: 0% ~ 100%
7	000-255	LED 3 Red: 0% ~ 100%
8	000-255	LED 3 Green: 0% ~ 100%
9	000-255	LED 3 Blue: 0% ~ 100%
10	000-255	LED 4 Red: 0% ~ 100%
11	000-255	LED 4 Green: 0% ~ 100%
12	000-255	LED 4 Blue: 0% ~ 100%
13	000-255	Master Dimmer 0% ~ 100% for CH1 – 12 & 15
14	000-009	Strobe OFF
	010-255	Strobe (slow-fast 1-30Hz)
15	000-009	No Function
	010-023	R G B colors switching
	024-038	7 colors switching
	039-053	R G B colors fading
	054-068	7 colors Fading
	069-083	Color Macros Fading
	084-098	Effect program 1
	099-113	Effect program 2
	114-128	Effect program 3

	129-143	Effect program 4
	144-158	Effect program 5
	159-173	Effect program 6
	174-188	Effect program 7
	189-203	Effect program 8
	204-218	Effect program 9
	219-233	Effect program 10
	234-248	Effect program 11
	249-255	Sound active mode
16	000-255	Speed of auto programs (slow ~ fast) or sound sensitivity
17	000-009	Use dimmer curve from setting of control board
	010-044	16 bits Linear dimmer 1
	045-079	16 bits Non-linear dimmer 2
	080-114	16 bits Non-linear dimmer 3
	115-149	16 bits Non-linear dimmer 4
	150-184	8 bits Linear dimmer 5
	185-219	Switch on colour temperature mode
	220-255	Switch off colour temperature mode

TECHNICAL SPECIFICATIONS

Model	**PAN4X1X30**	**PAN4X1X15**
Dimensions and Weight		
Overall size LxWxH (mm)	425X184X163	
Weight (kg)	4	
Power		
Power Supply	100~240V AC, 50/60 Hz	
Power Consumption (w)	120	60
Fuse	T 2 A, 250 V	T 1 A, 250 V
Power Connectors	IEC in/out	
LED	4pcs 30W RGB COB LED	4pcs 15W RGB COB LED
Beam Angle	60°	
Refresh Rate	11,700Hz	
Operation Modes	DMX, auto run, sound active, master/slave, manual colour control, static colour control	
DMX Channel mode	3/5/9/12/17	
DMX Connectors	3-pin XLR in/out	

WARRANTY

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

Website: www.event-lighting.com.au