INVOLIGHT

INVOLIGHT BATBAR230

USER MANUAL

Battery Powered DMX LED Bar, 240*10mm RGB, 8 Sections

User Manual

Our Battery Powered DMX LED Bar offers very nice and bright effect for performance stages where traditional stage lighting emits a lot of heat onto performers. Very smooth field with rich palettes of color created by mixing the Red, Green and Blue LEDs. Please read the manual before operation.

A. SPECIFICATION

1. Voltage: AC 100V-240V, 60Hz/50Hz

2. Power Consumption: 42W

3. LED: 240*10mm (R96, G72, B72)

4. Beam Angle: 30°

5. Working temperature: -10~40℃

6. Control Feature: Built-in programs, Auto running, DMX 512, Master/slave mode, Static color and Charge mode

7. DMX channels: 3, 5, 24, 2, 7 CH

8. N.W: 4.36kgs

9. Dimension: 1073*120*135 mm

10. Stand by time: 3.5 hours（RGB）

11. Charging time: 6 hours

12. Lumen:　　R:　110lux /2m

　　　　　　　G:　234lux /2m

　　　　　　　B:　250lux /2m

　　　　　　　RGB:　490lux /2m

B. OPERATION

This fixture is with rich effect programs, LED dislay for easier operation, there are seven working modes:

1. Built-in Program Mode

This mode is built-in programs mode, it is static color program when the display board shows $Pr.01$, then press SETUP button to set the static colors via UP or DOWN buttons. Press SETUP button again to set the strobe value of the static colors via UP or DOWN buttons $FS.00$-$FS.99$.

Press SETUP button could set the speed $SP.00$-$SP.FL$ and strobe value $FS.00$-$FS.99$ when the display board shows $Pr.02$~$Pr20$

2. Auto running Mode

This mode is Auto Running mode, the fixture will automatically run the programs according to the present programs $Pr.02$-$Pr20$.

3. M/S Mode

This mode is M/S Mode, the salve fixtures will follow the programs after they were linked to the master fixture via DMX cables.

4. DMX Mode

It is DMX mode when the display board shows $d.001$, the address could be set via UP and DOWN buttons, the maximum value is 512.

Press the "UP" or "DOWN" button, set the DMX working modes: 3, 5, 24, 2, 7CH

DMX Mode 1：3-ch

CH1	CH2	CH3
R(0~255)	G(0~255)	B(0~255)

DMX Mode 2：5-ch

CH1	CH2	CH3	CH4	CH5
R(0~255)	G(0~255)	B(0~255)	Dimmer(0~255)	Strobe(0~255)

DMX Mode 3：24ch

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12
R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4
0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255
CH13	CH14	CH15	CH16	CH7	CH18	CH19	CH20	CH21	CH22	CH23	CH24
R5	G5	B5	R6	G6	B6	R7	G7	B7	R8	G8	B8
0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255	0~255

DMX Mode 4：2-ch

CH1		CH2
Program		Speed
		0-27(OFF)
		28-55(R)
		56-83(RG)
		84-111(RG)
		112-139(G)
Pr.01	0~11	140-167(GB)
		168-195(B)
		196-223(RB)
		224-251(RB)
		252-255(RGB)

Pr.02	12~23	
Pr.03	24~35	
Pr.04	36~47	
Pr.05	48~59	
Pr.06	60~71	
Pr.07	72~83	
Pr.08	84~95	
Pr.09	96~107	
Pr.10	108~119	
Pr.11	120~131	
Pr.12	132~143	0~255
Pr.13	144~155	
Pr.14	156~167	
Pr.15	168~179	
Pr.16	180~191	
Pr.17	192~203	
Pr.18	204~215	
Pr.19	216~227	
Pr.20	228~239	
Sound	240~255	

DMX Mode 5：7-ch

CH1	CH2	CH3	CH4	CH5	CH6		CH7
R	G	B	Strobe	Dimmer	Program		Speed
0~255	0~255	0~255			CH1-3	0	
							0-27(OFF)
							28-55(R)
							56-83(RG)
							84-111(RG)
							112-139(G)
					Pr.01	1~11	140-167(GB)
							168-195(B)
							196-223(RB)
							224-251(RB)
							252-255(RGB)
			0~255	0~255	Pr.02	12~23	
					Pr.03	24~35	
					Pr.04	36~47	
					Pr.05	48~59	
					Pr.06	60~71	
					Pr.07	72~83	
					Pr.08	84~95	
					Pr.09	96~107	
					Pr.10	108~119	0~255

					Pr.11	120~131	
					Pr.12	132~143	
					Pr.13	144~155	
					Pr.14	156~167	
					Pr.15	168~179	
					Pr.16	180~191	
					Pr.17	192~203	
					Pr.18	204~215	
					Pr.19	216~227	
					Pr.20	228~239	
					Sound	240~255	

5. Colr Mode

This mode is dimming mode, press SETUP to dim the static color, press UP and DOWN buttons could set r.000~r.255, g.000~255, b.000~b.255.

6. Sound-active Mode

1) Press the "MODE", enter into sound-active mode "Sound Mode ".
2) Press "SETUP" button enter to set the sound sensitivity. Press the "UP" or "DOWN", to set the sound-active sensitivity value "00-31".

7. Power Charge Mode

This mode is available when battery is charging.

Press the "SETUP" button to see the power percentage 0~100.

C. Lithium Battery Instruction

1. The battery is 11.1V, 6.6Ah which is brand of 18650 Lithium Battery. It will take 3.5 hours to be fully charged and it can be use for 6 hours. Please operate this product in the right way and discharge it. Please don't let the fixture spare for long time, should use and charge time by time.

2. The battery capacity display will show the product is on, fully charge or low battery. While you are using it and charging it, the fixture will be turned off and it is fully charge. The five LED instruct lights respect the battery is 100%~80%, 60%, 40%, 20%, 20%~0%. Please charge the fixture timely when the red LED instruct light flash because it means the battery is less than 20%.

3. Please don't let the fixture spare for a l long time. This fixture should be charged every three or six months at least one time.

4. Do not use this fixture in high temperature for long time, or the lithium battery would be fire, lose function or reduce life

D. IR Specification

Warmth warning: when you use the IR to, you need to keep the IR aiming at the light for flexible control. However, the IR will be useless when the mode turns to "DMX mode" and Master/Slave Mode".

1. ON/OFF

2. AUTO

Press "AUTO" button and the fixture will enter into Auto Running Mode.

3. PRG

Press "PRG" button and the fixture will enter in Built-in Programs.

Press "+" or "-"button to select built in programs segment P r.0 1~P r 2 0.

4. SPEED

Under Built-in Program Mode, press "SPEED" button enter into the speed setting mode.

You can set the programs segment running speed by press the"+" or"-"button.

5. STROBE

You will turn off the strobe function when the fixture is under built-in program mode by press "STROBE".

Oppositely, you will turn on the strobe function. You can set the strobe value by press "+" or "-" button, the strobe value is F500~F599.

6. Dimming Mode

a. Press "DIMMING" button and the fixture will enter into Dimming Mode.

b. Press "R", "G", "B" buttons respectively and the fixture will enter into single color value setting mode. In order to get great color effect, please press "+" or "-"button to adjust corresponding single color value "000~255". ("A", "W" button are invalid)

The fixture will enter into static color mode no matter which status it is under if only you press number buttons.

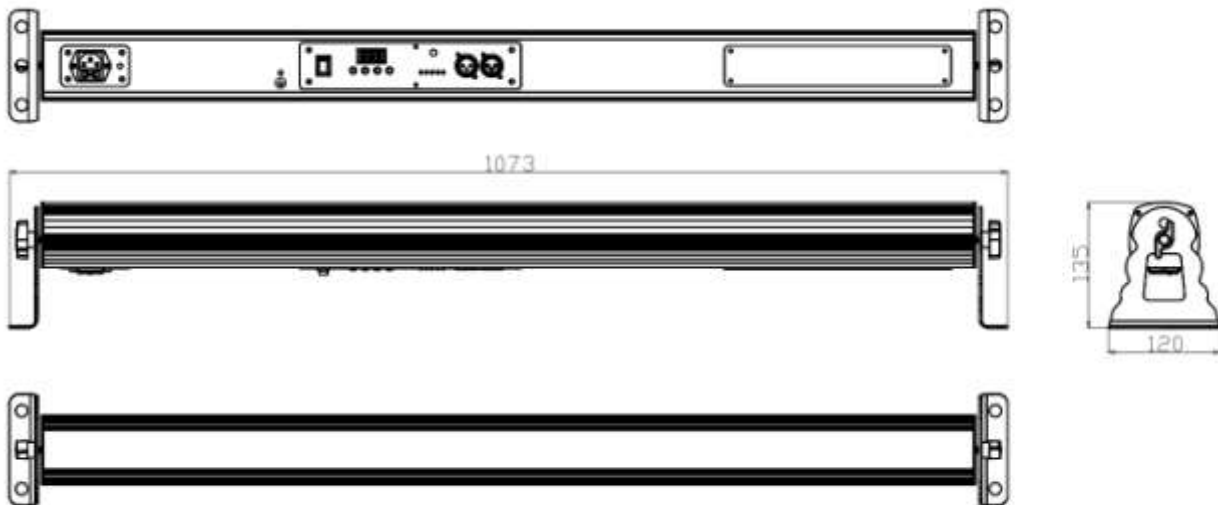Every number button is respect a static color, please see below table.

0	1	2	3	4	5	6	7	8	9
Cyan	Purple	Purlish Red	Orange	White	Bright Pink	Light Green	Water Blue	Yellow	Warm White

When it is not in Dimming Mode, "R", "G", "B", "A", "W" are static color for RED, GREEN, BLUE, AMBER, WHITE.

IR will help to restore factory settings by press buttons of "BLACKOUT"+"9"+"8"+"7".

NOTE:

1. Press the "MODE" and "SETUP" at same time for a few seconds to restore factory settings, the data will be initialized.

2. Please operate the fixture base on the specification to avoid security incidents,

3. If ambient temperature is beyond the permitted range when you operate the fixture, such as, the temperature is too high, the fixture will be damaged. Please reduce the using time of it.

4. Please do not operate the fixture with power on for safety.

5. Take out the batteries if you don't use the lamp for a long time. Replace batteries immediately if battery is dead.

6. In DMX mode, if there is a control signal, the display board will flicker for prompting.