

## **USER MANUAL**

### PRO BAR 18IP



## **USER MANUAL**

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

Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

**Please read the instructions carefully before use!**

## **1. SAFETY PRECAUTIONS**

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Professional is not responsible for injuries and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.

- **PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.**
- **THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.**
- **DO NOT PLUG FIXTURE INTO A DIMMER PACK!**
- **NEVER OPEN THIS FIXTURE WHILE IN USE!**
- **UNPLUG POWER BEFORE SERVICING FIXTURE!**
- **NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT! KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE!**
- **NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!**
- **RETINA INJURY RISK - MAY INDUCE BLINDNESS!**
- **SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!**
- **ENSURE ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT.**
- **MINIMUM DISTANCE TO OBJECTS/SURFACES.**

- **MUST BE 3.3FEET (1METER).**
- **MAXIMUM TEMP OF EXTERNAL SURFACE 185° F (85°C).**
- **MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE IS 1.6 FEET (0 .5 METER).**
- **DO NOT TOUCH the fixture housing during operation.Turn OFF the power and allow approximately 15 minutes for the fixture to cool down before servicing.**
- **DO NOT shake fixture, and avoid brute force when installing and/or operating fixture.**
- **DO NOT operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.**
- **NEVER force a power cord connector into the fixture.If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating.**
- **DO NOT block any air ventilation slots.**
- **All fan and air inlets must remain clean and never blocked.**
- **Allow approx.6" (15cm) between fixture and other devices or a wall for proper cooling.**
- **Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure.**
- **Only handle the power cord by the plug end.Never pull out the plug by tugging the wire portion of the cord.**
- **During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.**
- **Consistent operational breaks will ensure fixture will function properly for many years.**
- **ONLY use the original packaging and materials to transport the fixture in for service.**

## 2. MAINTENANCE GUIDELINES

### **DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

#### 2.1. CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically

clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. NEVER use alcohol, solvents, or ammonia-based cleaners .

## 2.2. MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized our service technician. Should you need any spare parts, please order genuine parts from your local dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments. NEVER remove the ground prong from the power cable.

## 3. SYSTEM MENU

No.	Display	Functions
1	A001	CH code, add code by changing B.C buton(001-512)
2	11ch/29ch/37ch/108ch/119ch	Choosing CH mode
3	CC00	Color jump to change, by changing B.C buton to modify the speed. (01-99)

4	Ed00	Color pulse, by changing B.C buton to changed the speed.(01-99)
5	Er00	Color running 1, by changing B.C buton to changed the speed. (01-99)
6	Po00	Color running 2, by changing B.C buton to changed the speed. (01-99)
7	tr00	Ways of running effect, (00-8) by changing B.C buton to changed the ways
8	tU00	Speed of running effect, (00-99) by changing B.C buton to changed the speed
9	BE50	Sound control running change. By changing B.C buton
10	R200	R color (0-255)
11	G200	G color (0-255)
12	B200	B color (0-255)
13	W200	W color (0-255)
14	Y200	Y color (0-255)
15	P200	P color, (0-255)
16	ID00	DMX 512 ID, (01-14) (a group of lights working, can have a group pixel running effects)

## 5.DMX CHART

### 11CH Mode

CH	Value	Function
1CH	0-255	Master Dimmer
2CH	0-255	Strobe S>F
3CH	0-255	Control Mode Selection 1
	0-35	No Function
	36-45	Color running (jump) (CH1,CH6-CH9 available)
	46-55	Color running (fade) (CH1,CH6-CH9 available)
	56-65	Color choosing (CH1, CH2 available)
	66-75	Color jump (CH1, CH2 available)

	76-85	Color fade, color pulse (CH1, CH2 available)
	86-95	Fade running water effect 1 (CH 1 available)
	...	...
	146-155	Fade running water effect 7 (CH 1 available)
	156-165	Running water effect 8 (CH 1, CH6-CH9 available)
	...	...
	236-245	Running water effect 15 (CH 1, CH6-CH9 available)
	246-255	Sound control (CH 1, CH6-CH9 available)
CH4	0-255	Control Mode Selection 2
	0-30	No Function
	31-45	Running water effect 1 (CH 1, CH6-CH11) available
	...	...
	240-255	Running water effect 15 (CH 1, CH6-CH11) available
CH5	0-255	Control mode speed S>F
CH6	0-255	R dimmer, dark to bright
CH7	0-255	G dimmer, dark to bright
CH8	0-255	B dimmer, dark to bright
CH9	0-255	W dimmer, dark to bright
CH10	0-255	A dimmer, dark to bright
CH11	0-255	UV dimmer, dark to bright

## 29CH Mode

CH	Value	Function
1CH	0-255	Master Dimmer
2CH	0-255	Strobe S>F
3CH	0-255	Control Mode Selection 1
	0-35	No Function
	36-45	Color running (jump) (CH1,CH6-CH9 available)

	46-55	Color running (fade) (CH1,CH6-CH9 available)
	56-65	Color choosing (CH1, CH2 available)
	66-75	Color jump (CH1, CH2 available)
	76-85	Color fade, color pulse (CH1, CH2 available)
	86-95	Fade running water effect 1 (CH 1 available)
	...	...
	146-155	Fade running water effect 7 (CH 1 available)
	156-165	Running water effect 8 (CH 1, CH6-CH9 available)
	...	...
	236-245	Running water effect 15 (CH 1, CH6-CH9 available)
	246-255	Sound control (CH 1, CH6-CH9 available)
CH4	0-255	Control Mode Selection 2
	0-30	No Function
	31-45	Running water effect 1 (CH 1, CH6-CH11) available
	...	...
	240-255	Running water effect 15 (CH 1, CH6-CH11) available
CH5	0-255	Control mode speed S>F
CH6	0-255	R dimmer, dark to bright
CH7	0-255	G dimmer, dark to bright
CH8	0-255	B dimmer, dark to bright
CH9	0-255	W dimmer, dark to bright
CH10	0-255	A dimmer, dark to bright
CH11	0-255	UV dimmer, dark to bright
CH12	0-255	LED 1 Color Wheel
...	...	...
CH29	0-255	LED 18 Color Wheel

## 37CH Mode

CH	Value	Function
CH1	0-255	BG Dimmer, dark to bright
CH2	0-255	BG Strobe S>F
CH3	0-255	BG Red, dark to bright
CH4	0-255	BG Green, dark to bright
CH5	0-255	BG Blue, dark to bright
CH6	0-255	BG White, dark to bright
CH7	0-255	BG Amber, dark to bright
CH8	0-255	BG UV, dark to bright
CH9	0-255	FG Dimmer, dark to bright
CH10	0-255	FG Strobe S>F
CH11	0-255	FG Red, dark to bright
CH12	0-255	FG Green, dark to bright
CH13	0-255	FG Blue, dark to bright
CH14	0-255	FG White, dark to bright
CH15	0-255	FG Amber, dark to bright
CH16	0-255	FG UV, dark to bright
CH17	0-255	Shape Macro
	0-10	Macro Off
	0-11	Shape Macros
CH18	0-255	Shape Speed
CH19	0-255	LED 1 Dimmer
...	...	...
CH36	0-255	LED 18 Dimmer
CH37	0-255	Mirror (Flips the pixel order)



## 108CH Mode

CH	Value	Function
1CH	0-255	LED 1 Red, dark to bright
2CH	0-255	LED 1 Green, dark to bright
3CH	0-255	LED 1 Blue, dark to bright
4CH	0-255	LED 1 White, dark to bright
5CH	0-255	LED 1 Amber, dark to bright
6CH	0-255	LED 1 UV, dark to bright
...	...	...
103CH	0-255	LED 18 Red, dark to bright
104CH	0-255	LED 18 Green, dark to bright
105CH	0-255	LED 18 Blue, dark to bright
106CH	0-255	LED 18 White, dark to bright
107CH	0-255	LED 18 Amber, dark to bright
108CH	0-255	LED 18 UV, dark to bright

## 119CH Mode

CH	Value	Function
1CH	0-255	Master Dimmer
2CH	0-255	Strobe S>F
3CH	0-255	Control Mode Selection 1
	0-35	No Function
	36-45	Color running (jump) (CH1,CH6-CH9 available)
	46-55	Color running (fade) (CH1,CH6-CH9 available)
	56-65	Color choosing (CH1, CH2 available)
	66-75	Color jump (CH1, CH2 available)
	76-85	Color fade, color pulse (CH1, CH2 available)
	86-95	Fade running water effect 1 (CH 1 available)

	...	...
	146-155	Fade running water effect 7 (CH 1 available)
	156-165	Running water effect 8 (CH 1, CH6-CH9 available)
	...	...
	236-245	Running water effect 15 (CH 1, CH6-CH9 available)
	246-255	Sound control (CH 1, CH6-CH9 available)
CH4	0-255	Control Mode Selection 2
	0-30	No Function
	31-45	Running water effect 1 (CH 1, CH6-CH11) available
	...	...
	240-255	Running water effect 15 (CH 1, CH6-CH11) available
CH5	0-255	Control mode speed S>F
CH6	0-255	Red, dark to bright
CH7	0-255	Green, dark to bright
CH8	0-255	Blue, dark to bright
CH9	0-255	White, dark to bright
CH10	0-255	Amber, dark to bright
CH11	0-255	UV, dark to bright
CH12	0-255	LED 1 Red, dark to bright
CH13	0-255	LED 1 Green, dark to bright
CH14	0-255	LED 1 Blue, dark to bright
CH15	0-255	LED 1 White, dark to bright
CH16	0-255	LED 1 Amber, dark to bright
CH17	0-255	LED 1 UV, dark to bright
...	...	...
114CH	0-255	LED 18 Red, dark to bright
115CH	0-255	LED 18 Green, dark to bright
116CH	0-255	LED 18 Blue, dark to bright
117CH	0-255	LED 18 White, dark to bright

118CH	0-255	LED 18 Amber, dark to bright
119CH	0-255	LED 18 UV, dark to bright

## 6.SPECIFICATIONS

### CONSTRUCTION/PHYSICAL

Dimensions: 1000\*170\*130MM

Weight: 7,2KG

Exterior Color: Black

Housing Material: Magnesium-aluminum die-casting +aluminum profile

### DYNAMIC EFFECTS

Dimmer: Electronic Shutter/Strobe:

Electronic Strobe Rate: 0-20Hz

Standalone: Yes

Color Mixing: RGBWAUV

### CONNECTIONS

Power Connection: PowerCon True1

DMX Connection: XLR 3-pin

### CONTROL

Control Protocol: DMX/ RDM

DMX Channels: 11/29/37/108/119

Build-in Effects: Yes

### ELECTRICAL

Power Supply Voltage: 100-240V, 50/60Hz



**BRIGHTER LIGHTING SP. Z.O.O.**  
ul. Warszawska 111  
32-087 Bibice  
POLAND  
NIP: 9442248196  
REGON: 361197164

Maximum Power Consumption: 330W

**OPTIC**

Beam Angle: 25°/55°(FROST FILTER)



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